

# Spotlights Downlights





## Spotlights &amp; Downlights

## UNICO



44

recessed

ceiling

wall surface

wall recessed

## SPIO

**NEW →** 86

recessed

## CAVO



96

recessed

## SASSO

**NEW →** 108

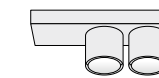
recessed



semi-recessed



ceiling



ceiling



suspended



wall surface

## SASSO PRO



168

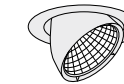
recessed

## MOVE IN

**NEW →** 180

recessed

## TWIST

**NEW →** 194

recessed

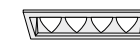
## SPADO



200

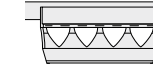
recessed

## SQUADRO



208

recessed



track

## BO

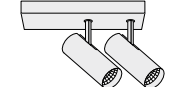


222

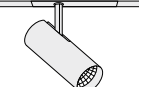
semi-recessed



surface

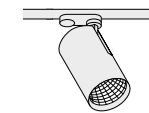


surface



track

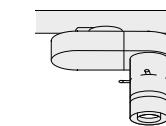
## VARO



248

track

## PABLO



264

track

## TULA

**NEW →** 280

suspended

## ARY



288

suspended

TRACK  
3-phase

300

recessed



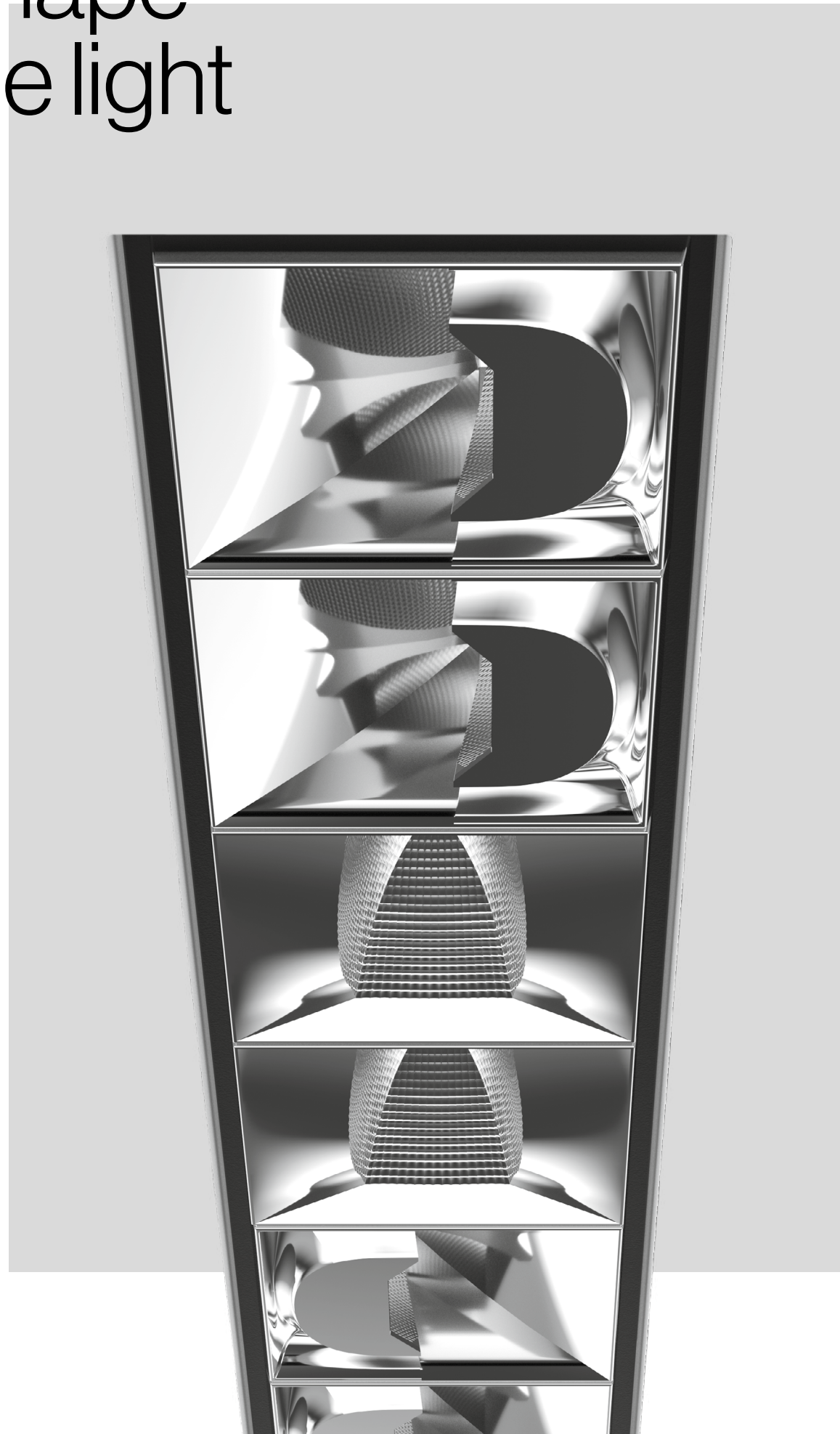
surface



suspended



# Shape the light

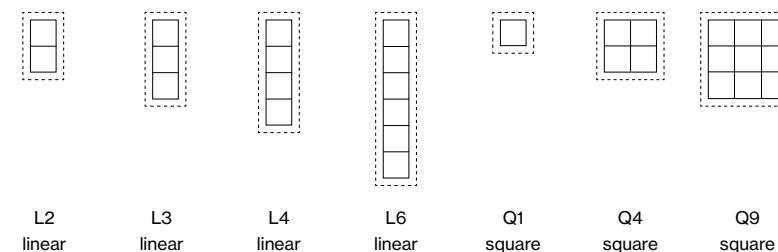


## UNICO

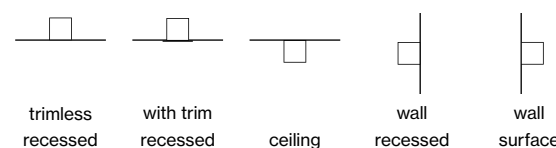
**EN** With UNICO, XAL crafted a unique product built for flexibility. The luminaire offers a solution for every requirement and need. The luminaire can be shaped from five mounting options, seven shapes, eleven optics, two sensors, four colour temperatures and two control options. The intuitive UNICO configurator helps guide the flexible composition and selection of the different beam characteristics. A single luminaire has never offered this much planning freedom in professional lighting design.

**ES** Con UNICO, XAL ha creado una luminaria única en materia de flexibilidad. Esta luminaria ofrece una solución perfecta para cualquier requisito y necesidad. El producto puede configurarse de un modo totalmente personalizado a partir de cinco opciones de montaje, siete formas, doce ópticas, cuatro temperaturas de color y dos opciones de control. El configurador UNICO ayuda a obtener la configuración adecuada con flexibilidad y a seleccionar los distintos modos de proyección. La planificación luminotécnica profesional nunca antes había gozado de tanta flexibilidad con una sola luminaria.

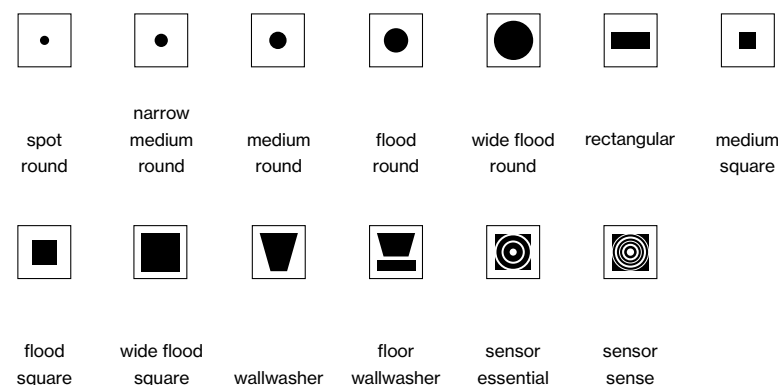
### Types



### Mountings



### Light optics Sensors





# UNICO recessed



## Installation housing

	Q1	Q4	Q9	L2
<b>TYPE</b>	with trim (white or black)	with trim (white or black)	with trim (white or black)	with trim (white or black)
<b>CEILING THICKNESS</b>	intermediate 2–25 mm	intermediate 2–25 mm	intermediate 2–25 mm	intermediate 2–25 mm
<b>DIMENSION<sub>max</sub></b>	63 × 63 mm	101 × 101 mm	138 × 138 mm	101 × 63 mm
<b>CUTOUT DIMENSION</b>	50 × 50 mm	90 × 90 mm	130 × 130 mm	90 × 50 mm
<b>RECESS DEPTH</b>	155 mm	110 mm	90 mm	140 mm

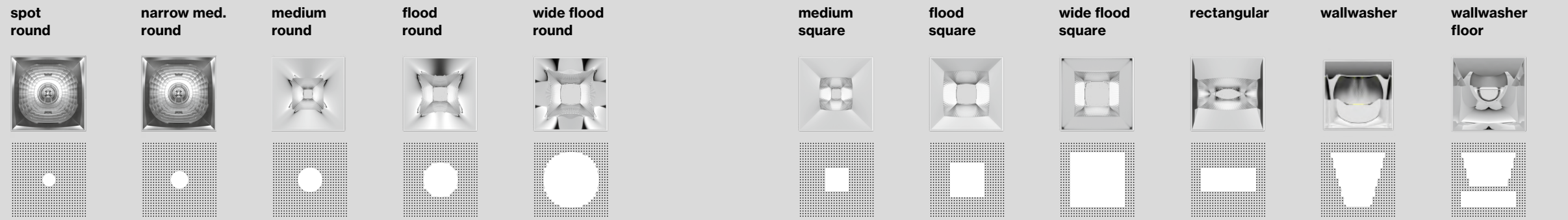
	Q1	Q4	Q9	L2
<b>TYPE</b>	trimless	trimless	trimless	trimless
<b>CEILING THICKNESS</b>	plasterboard 12/15/20/25	plasterboard 12/15/20/25	plasterboard 12/15/20/25	plasterboard 12/15/20/25
<b>DIMENSION</b>	50 × 50 mm	85 × 85 mm	125 × 125 mm	88 × 50 mm
<b>CUTOUT DIMENSION</b>	50 × 50 mm	90 × 90 mm	130 × 130 mm	90 × 50 mm
<b>RECESS DEPTH</b>	155 mm	110 mm	90 mm	140 mm

	L3	L4	L6
<b>TYPE</b>	with trim (white or black)	with trim (white or black)	with trim (white or black)
<b>CEILING THICKNESS</b>	intermediate 2–25 mm	intermediate 2–25 mm	intermediate 2–25 mm
<b>DIMENSION<sub>max</sub></b>	138 × 63 mm	176 × 63 mm	251 × 63 mm
<b>CUTOUT DIMENSION</b>	130 × 50 mm	165 × 50 mm	240 × 50 mm
<b>RECESS DEPTH</b>	110 mm	100 mm	100 mm

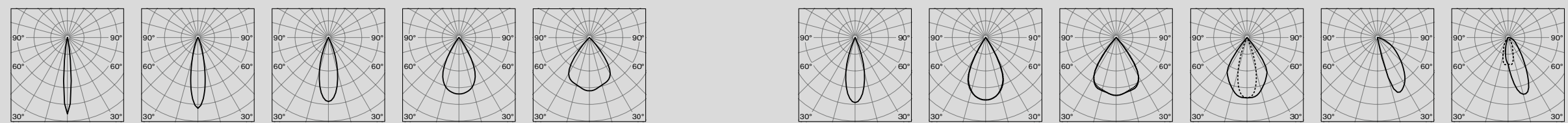
	L3	L4	L6
<b>TYPE</b>	trimless	trimless	trimless
<b>CEILING THICKNESS</b>	plasterboard 12/15/20/25	plasterboard 12/15/20/25	plasterboard 12/15/20/25
<b>DIMENSION</b>	125 × 50 mm	163 × 50 mm	238 × 50 mm
<b>CUTOUT DIMENSION</b>	130 × 50 mm	165 × 50 mm	240 × 50 mm
<b>RECESS DEPTH</b>	110 mm	100 mm	100 mm

## Light optic



	spot round	narrow med. round	medium round	flood round	wide flood round	medium square	flood square	wide flood square	rectangular	wallwasher	wallwasher floor
<b>LUMINOUS EFFICACY</b>	up to 46 lm/W	up to 51 lm/W	up to 78 lm/W	up to 90 lm/W	up to 89 lm/W	up to 77 lm/W	up to 91 lm/W	up to 93 lm/W	up to 79 lm/W	up to 79 lm/W	up to 82 lm/W
<b>LUMINOUS FLUX</b>	179 lm, 190 lm	196 lm, 208 lm	300 lm, 319 lm	345 lm, 367 lm	342 lm, 363 lm	295 lm, 314 lm	351 lm, 373 lm	361 lm, 383 lm	305 lm, 324 lm	305 lm, 324 lm	318 lm, 338 lm
<b>COLOUR TEMPERATURE</b>	3000 K, 4000 K	3000 K, 4000 K	3000 K, 4000 K	3000 K, 4000 K	3000 K, 4000 K	3000 K, 4000 K	3000 K, 4000 K	3000 K, 4000 K	3000 K, 4000 K	3000 K, 4000 K	3000 K, 4000 K
<b>COLOUR RENDERING INDEX</b>	CRI ≥ 90	CRI ≥ 90	CRI ≥ 90	CRI ≥ 90	CRI ≥ 90	CRI ≥ 90	CRI ≥ 90	CRI ≥ 90	CRI ≥ 90	CRI ≥ 90	CRI ≥ 90

## LIGHT DISTRIBUTION





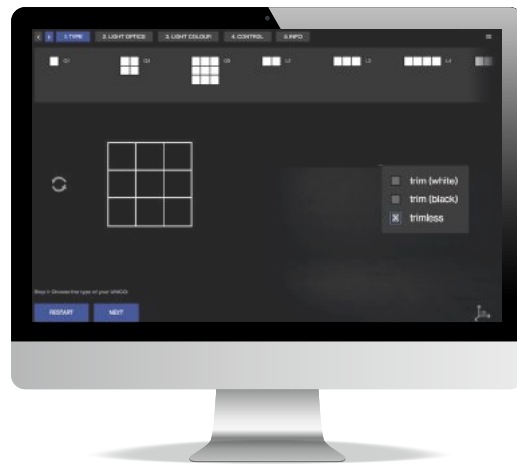
# Create your own UNICO

[unico.xal.com](http://unico.xal.com)

EN XAL's UNICO is uniquely flexible. The luminaire offers a solution for every requirement. A UNICO can be flexibly assembled with eleven optics, two sensors and a selection of different light colours as well as Tunable White. XAL delivers this planning freedom with an intuitive online configurator. Solve concrete lighting concepts by creating a bespoke luminaire. [unico.xal.com](http://unico.xal.com)

ES Con UNICO, XAL ha creado una luminaria única en materia de flexibilidad. Una luminaria que ofrece la solución perfecta para cualquier necesidad técnica. Y es que la luminaria UNICO puede configurarse de un modo totalmente personalizado eligiendo entre once ópticas, dos sensores y una selección de temperaturas de color diferentes, incluido Tunable White. XAL ha diseñado y desarrollado un intuitivo configurador online. Resuelva problemas concretos de iluminación con la flexibilidad de configuración proporcionada por una luminaria única: [unico.xal.com](http://unico.xal.com)

## 1. Define your shape



EN Select your preferred mounting type and then one of the seven shapes.

ES Elija el tipo de montaje adecuado y a continuación una de las siete formas disponibles.

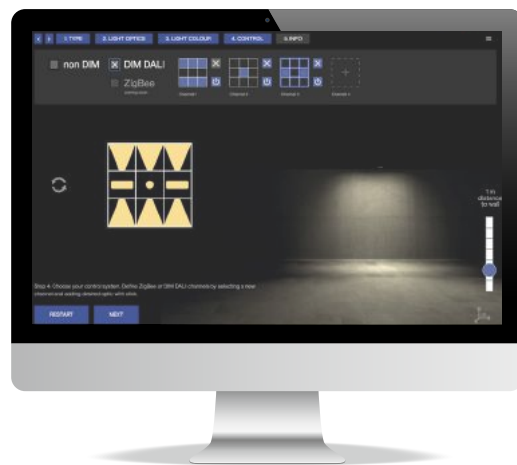
## 2. Choose your light optic and colour



EN Combine the eleven light insets and two sensors. Then select the desired light temperature 2700K, 3000K, 4000K or Tunable White.

ES Combine entre sí los once ópticas diferentes y dos sensores, y elija una temperatura de color apropiada de entre 2700K, 3000K, 4000K y Tunable White del modo que mejor se adapte a sus necesidades.

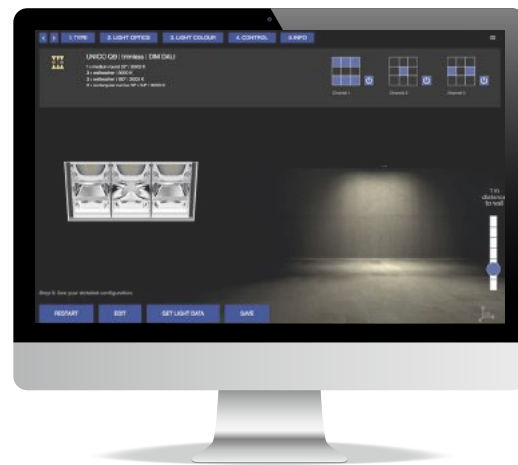
## 3. Control



EN The configurator helps you set up a maximum of four control channels.

ES El configurador le permite integrar hasta cuatro canales de regulación.

## 4. Info



EN Get an overview of your configured UNICO. You can download all the specifications as a datasheet.

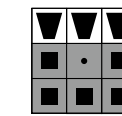
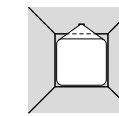
ES Obtenga una visión global de su UNICO ya configurado. También puede descargarse toda la información en una ficha técnica de producto.

# One luminaire – four channels – various light scenes

EN Use the online configurator and address concrete lighting concepts by creating a bespoke luminaire. Assign each optic in a UNICO to one of up to four control channels. Each of the four channels can then be dimmed and controlled separately. Control is via DALI-2. Just one luminaire can create custom lighting scenarios for every application. There has never been more freedom in professional lighting design delivered by a single luminaire.

ES Una sola luminaria le permite crear escenarios luminosos adaptados a cada aplicación. Utilice el configurador online para implementar esquemas de iluminación concretos mediante la configuración flexible de distintas ópticas. Es posible asignar hasta cuatro canales de control en cada luminaria UNICO, pudiendo atenuar y manejar cada uno de ellos por separado. El control se efectúa a través de DALI-2. El diseño de iluminación profesional nunca antes había gozado de tanta libertad con una sola luminaria.

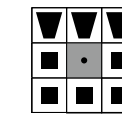
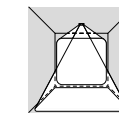
### Light scene 1 wall



3 × wallwasher



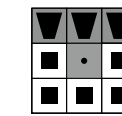
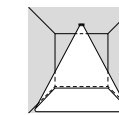
### Light scene 2 wall + floor



3 × wallwasher  
5 × flood square



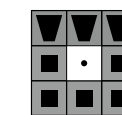
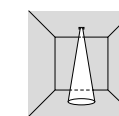
### Light scene 3 floor



5 × flood square



### Light scene 4 spots



1 × spot round





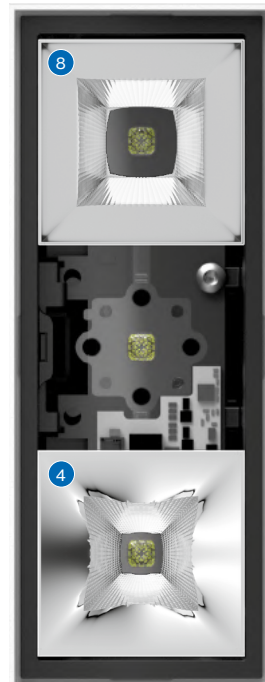
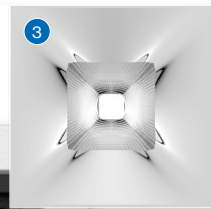
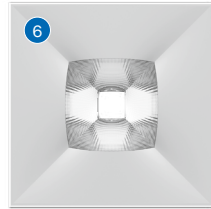
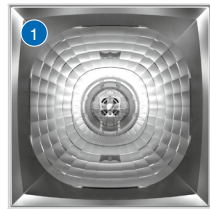
# 92.2 quadrillion possibilities

**EN** The luminaire can be customised from five mounting options, seven shapes, eleven light insets, two sensors, four colour temperatures, and three control options. The downlight optics for generating round or angular light projections are available with different beam characteristics. There are also rectangular downlights and wallwasher optics for wall or wall / floor lighting. Highly glare-free versions (UGR  $\leq 19$ ) are ideal for use at computer workstations. Dedicated sensors help adjust the lighting according to daylight and room activity. In addition, the reflectors are available in the colours chrome, black, and gold. Values such as temperature, air quality, and noise levels can be recorded. This delivers valuable knowledge about the conditions of your premises.

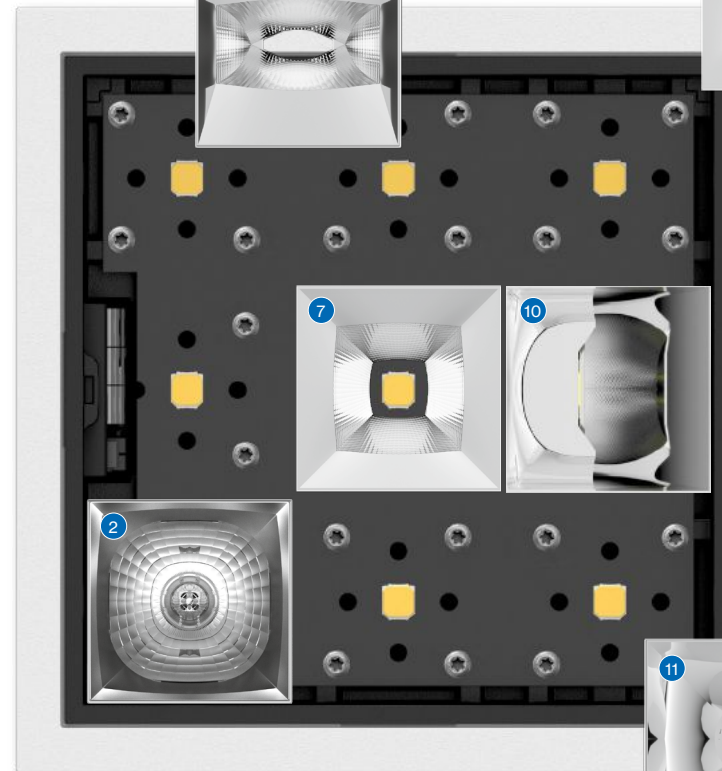
**ES** La luminaria puede configurarse de un modo totalmente personalizado a partir de cinco opciones de montaje, siete formas, once ópticas, dos sensores, tres temperaturas de color y tres opciones de control. Las ópticas de downlight para la generación de proyecciones luminosas redondeadas o rectangulares están disponibles en tres modos de proyección distintos. Además, hay disponibles downlights rectangulares y ópticas de bañador de pared para la iluminación de pared o pared/suelo. Las variantes dotadas de alta prevención del deslumbramiento (UGR  $\leq 19$ ) son perfectas para puestos de trabajo. Además, los reflectores están disponibles en los colores cromo, negro y dorado. Unos sensores especiales permiten adaptar la iluminación a la luz natural y a la actividad concreta de la sala, y además registrar valores tales como la temperatura, la calidad del aire y el nivel de ruido. Esto le proporcionará información valiosa sobre el estado de sus instalaciones.



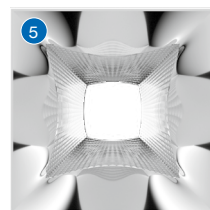
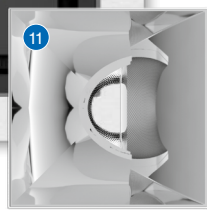
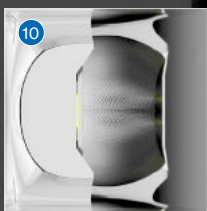
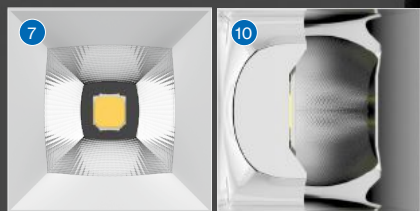
Q1 trimless



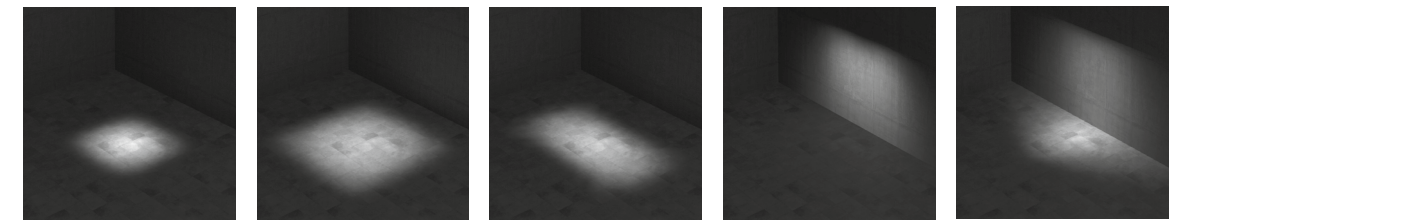
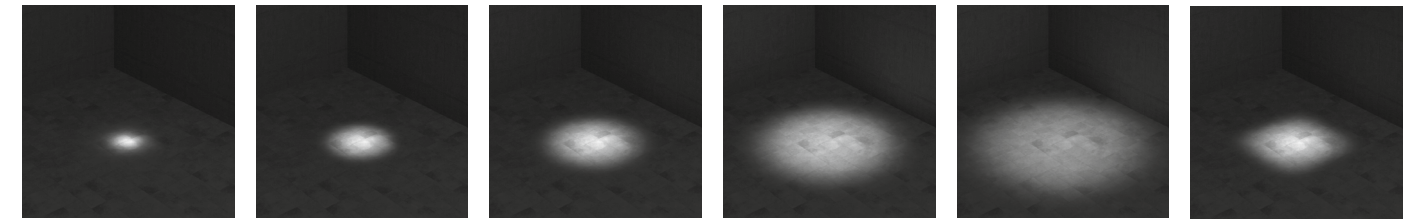
L3 trimless tunable white



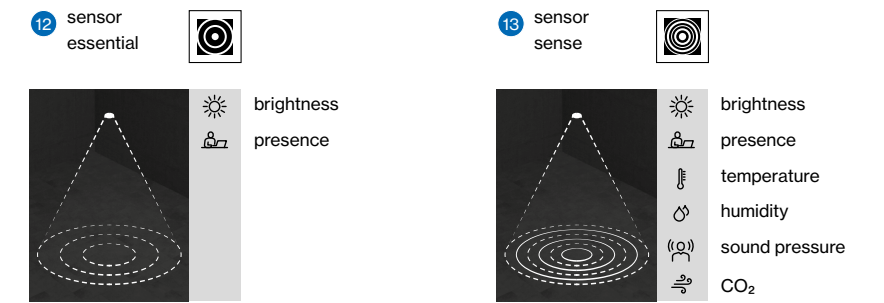
Q9 with trim



# 11 light optics and 2 sensors



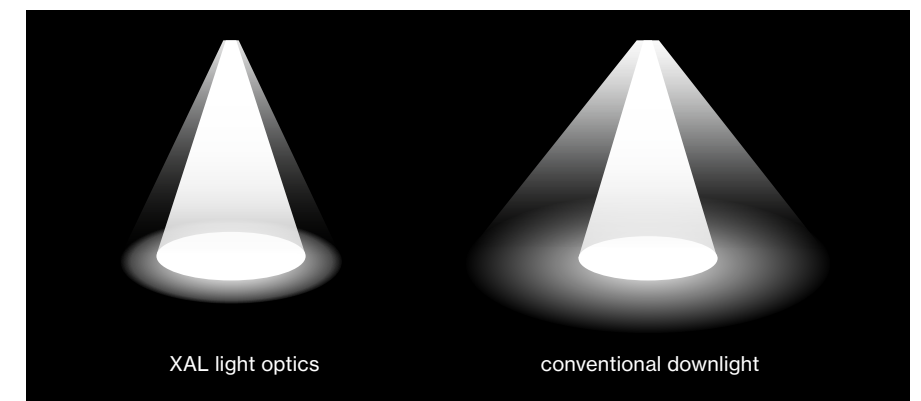
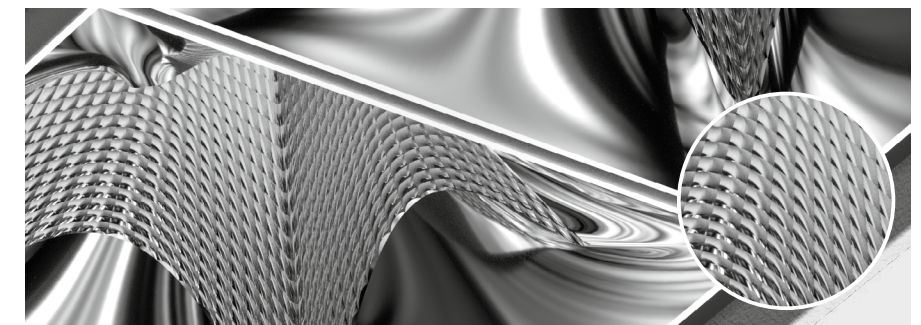
# Sensors



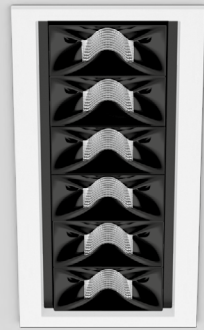
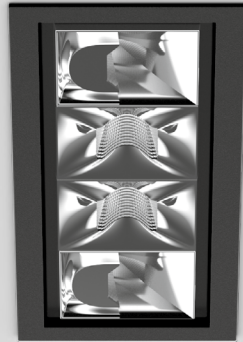
# Precision cut-off

**EN** XAL Light optics deliver the latest development in the field of micro-faceted reflector technology. Architects and lighting planners have entirely new design options thanks to clearly defined contrasts and maximised efficiency. Compared with conventional optics, XAL Light optics offer, with the same beam angle, a clearly defined light cone break with minimal stray light at the edges.

**ES** Con XAL Light Optics, XAL ofrece el desarrollo más novedoso en el área de la tecnología de reflectores microfacetados. Un desarrollo que ofrece a arquitectos y a diseñadores de iluminación unos contrastes claramente definidos, unidos a la máxima eficiencia y a unas posibilidades de configuración totalmente nuevas. Comparadas con las ópticas convencionales, las variantes de XAL Light Optics proporcionan un haz luminoso claramente delimitado con menor cantidad de luz dispersa en el área periférica manteniendo el mismo ángulo de apertura.







## UNICO linear

recessed

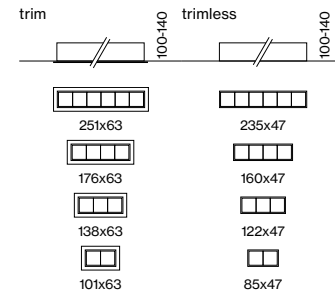
EN Rectangular recessed multi-downlight made of die-cast aluminium; equipped with two (L2) / three (L3) / four (L4) / six (L6) individually selectable or pre-specified, customised light elements; installation without tools in mounting set with ball catch system; easy electrical installation by means of reverse polarity protected plug-in connections; suitable for ceiling thickness of 2-25 mm; surface powder coated; installation possible in different housings; high-quality reflector with micro-faceted, aluminum-vaporised surface; precise radiation characteristic with different symmetrical light distributions; or with asymmetric light distribution; energy-efficient high power LEDs with very good colour rendering; clank-free

ES Downlight múltiple empotrable rectangular de aluminio; con dos (L2) / tres (L3) / cuatro (L4) / seis (L6) ópticas a elegir o fijas/específicas para la aplicación; instalación sin herramientas mediante kit de montaje con sistema de inserción de bola; montaje eléctrico sencillo con conexión enchufable protegida contra polarización inversa; para espesores de techo de 2-25 mm; superficie con recubrimiento de pintura en polvo; posibilidad de instalar distintas carcasas; reflector de alta calidad con superficie microfacetada de aluminio vaporizado; proyección precisa con varias distribuciones de luz simétricas; o con distribución de luz asimétrica; LEDs de alta eficiencia con muy buena reproducción cromática; sin reverberación

### Quickinfo

2700 K, 3000 K, 4000 K  
CRI ≥ 90, 3 SDCM  
UGR ≤ 19 / 65° ≤ 1500 cd/m<sup>2</sup>  
L2 up to 98 lm/W  
L3 up to 99 lm/W  
L4 up to 112 lm/W  
L6 up to 112 lm/W  
L90 @ 50 000 h  
non DIM, DALI-2

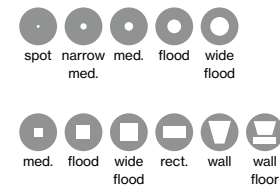
### Types



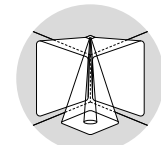
### Colours



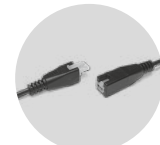
### Light optics



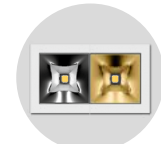
DiiA® standards  
251, 252, 253



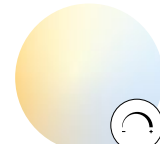
one luminaire  
multiple scenes



plug / socket  
connector



black & gold  
reflector



tunable white  
2700-5000K

### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

CONTROL	
non DIM	1
DALI-2	3

LIGHT OPTIC	
spot round (UGR ≤ 10)	K
narrow medium round (UGR ≤ 10)	N
medium round (UGR ≤ 10)	B
medium square (UGR ≤ 10)	E
flood round (UGR ≤ 16)	C
flood square (UGR ≤ 19)	F
wide flood round	D
wide flood square	G

MATERIAL COLOUR	
○ traffic white RAL 9016	W
● jet black RAL 9005	B

LIGHT OPTIC COLOUR	
chrome reflector	0
black reflector*	B

\*not available for spot round, narrow medium round and wallwasher

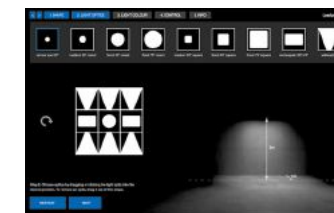
### Options on request

COLOUR TEMPERATURE  
tunable white 2700-5000K  
DALI-2 DT8

LIGHT OPTIC COLOUR	
gold reflector	

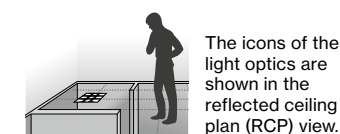
MOUNTING SET	
acoustic soft ceilings	

### Product configurator



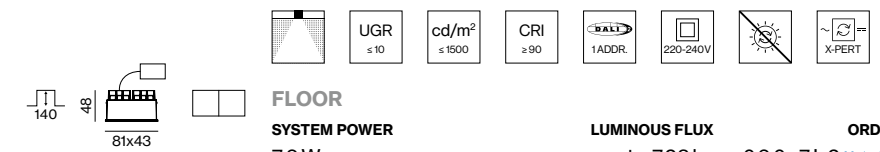
Create your own UNICO PRO  
[unico.xal.com](http://unico.xal.com)

### Planning information



The icons of the light optics are shown in the reflected ceiling plan (RCP) view.

### UNICO L2 basic recessed



FLOOR	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
	7.9 W	up to 723 lm	090-7L2::A0■21

choose one light optic ▲ from the options on the left depending on your room needs

WALL	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
2x wallwasher	7.9 W	611 lm	090-7L2::A0022

CORRIDOR	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
2x rectangular	7.9 W	610 lm	090-7L2::R0■21

WALL + FLOOR	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
2x wallwasher floor	7.9 W	638 lm	090-7L2::W0■22

### UNICO L3 basic recessed



FLOOR	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
	11.2 W	up to 1030 lm	090-7L3::A0■21

choose one light optic ▲ from the options on the left depending on your room needs

WALL	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
3x wallwasher	11.2 W	872 lm	090-7L3::A0021

### Accessories

MOUNTING SET WITH TRIM	for intermediate ceilings 2-25 mm		ORDER CODE
TYPE	L-W-H (mm)	CUTOUT (mm)	
L2	101-63-30	90-50	090-7L2020■
L3	138-63-30	130-50	090-7L3020■

TRIMLESS MOUNTING SET	for installation in plasterboard ceilings 12.5/15/20/25 mm		ORDER CODE
TYPE	L-W-H (mm)	CUTOUT (mm)	
L2	88-50-47	90-50	090-7L20100
L3	125-50-47	130-50	090-7L30100

THROUGH WIRING CONNECTION BOX			ORDER CODE
TYPE	L-W-H (mm)		
non DIM cable ø 4-12 mm	105-58-30		005-2531110
DALI cable ø 4-12 mm	105-58-30		005-2551110

LUMINOUS FLUX value calculated for 3000K, CRI ≥ 90, colour white, reflector chrome 2700K -6%, 4000K +7%

← back

**Order options**

**COLOUR TEMPERATURE**

2700K	4
3000K	5
4000K	6

**CONTROL**

non DIM	1
DALI-2	3

**LIGHT OPTIC**

spot round (UGR≤10)	K
narrow medium round (UGR≤10)	N
medium round (UGR≤10)	B
medium square (UGR≤10)	E
flood round (UGR≤16)	C
flood square (UGR≤19)	F
wide flood round	D
wide flood square	G

**MATERIAL COLOUR**

○ traffic white RAL 9016	W
● jet black RAL 9005	B

**LIGHT OPTIC COLOUR**

chrome reflector	0
black reflector*	B

\*not available for spot round, narrow medium round and wallwasher

**Options on request**

**COLOUR TEMPERATURE**

tunable white 2700–5000K
DALI-2 DT8

**LIGHT OPTIC COLOUR**

gold reflector
----------------

**MOUNTING SET**

acoustic soft ceilings
------------------------

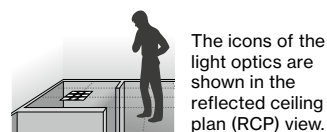
**Product configurator**



Create your own UNICO PRO

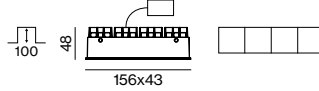
[unico.xal.com](http://unico.xal.com)

**Planning information**



The icons of the light optics are shown in the reflected ceiling plan (RCP) view.

**UNICO L4 basic recessed**



**FLOOR**

<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
13.9W	up to 1450lm	090-7L4::▲0■21

choose one light optic ▲ from the options on the left depending on your room needs



**WALL**

4x wallwasher

<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
13.9W	1220lm	090-7L4::◆A0021



**WALL + FLOOR**

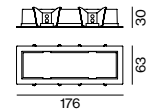
4x wallwasher floor

<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
13.9W	1280lm	090-7L4::◆W0■22

**Accessories**

**MOUNTING SET WITH TRIM**

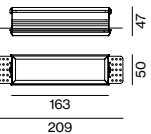
for intermediate ceilings 2–25mm



<b>TYPE</b>	<b>L-W-H (mm)</b>	<b>CUTOUT (mm)</b>	<b>ORDER CODE</b>
L4	176-63-30	165-50	090-7L4020

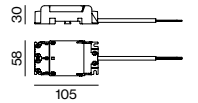
**TRIMLESS MOUNTING SET**

for installation in plasterboard ceilings 12.5/15/20/25mm



<b>TYPE</b>	<b>L-W-H (mm)</b>	<b>CUTOUT (mm)</b>	<b>ORDER CODE</b>
L4	163-50-47	165-50	090-7L40100

**THROUGH WIRING CONNECTION BOX**



<b>TYPE</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
non DIM cable ø4–12mm	105-58-30	005-2531110
DALI cable ø4–12mm	105-58-30	005-2551110

**Order options**

**COLOUR TEMPERATURE**

2700K	4
3000K	5
4000K	6

**CONTROL**

non DIM	1
DALI-2	3

**LIGHT OPTIC**

spot round (UGR≤10)	K
narrow medium round (UGR≤10)	N
medium round (UGR≤10)	B
medium square (UGR≤10)	E
flood round (UGR≤16)	C
flood square (UGR≤19)	F
wide flood round	D
wide flood square	G

**MATERIAL COLOUR**

○ traffic white RAL 9016	W
● jet black RAL 9005	B

**LIGHT OPTIC COLOUR**

chrome reflector	0
black reflector*	B

\*not available for spot round, narrow medium round and wallwasher

**Options on request**

**COLOUR TEMPERATURE**

tunable white 2700–5000K
DALI-2 DT8

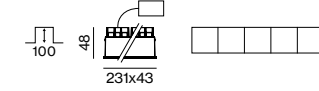
**LIGHT OPTIC COLOUR**

gold reflector
----------------

**MOUNTING SET**

acoustic soft ceilings
------------------------

**UNICO L6 basic recessed**



**FLOOR**

<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
19.8W	up to 2060lm	090-7L6::▲0■21

choose one light optic ▲ from the options on the left depending on your room needs



**WALL**

6x wallwasher

<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
19.8W	1740lm	090-7L6::◆A0021



**CORRIDOR**

6x rectangular

<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
19.8W	1740lm	090-7L6::◆R0■21



**WALL + FLOOR**

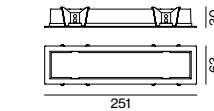
6x wallwasher floor

<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
19.8W	1820lm	090-7L6::◆W0■21

**Accessories**

**MOUNTING SET WITH TRIM**

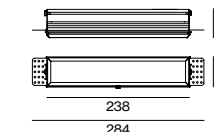
for intermediate ceilings 2–25mm



<b>TYPE</b>	<b>L-W-H (mm)</b>	<b>CUTOUT (mm)</b>	<b>ORDER CODE</b>
L6	251-63-30	240-50	090-7L6020

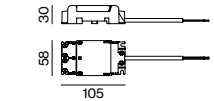
**TRIMLESS MOUNTING SET**

for installation in plasterboard ceilings 12.5/15/20/25mm



<b>TYPE</b>	<b>L-W-H (mm)</b>	<b>CUTOUT (mm)</b>	<b>ORDER CODE</b>
L6	238-50-47	240-50	090-7L60100

**THROUGH WIRING CONNECTION BOX**



<b>TYPE</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
non DIM cable ø4–12mm	105-58-30	005-2531110
DALI cable ø4–12mm	105-58-30	005-2551110

**LUMINOUS FLUX** value calculated for 3000K, CRI≥90, colour white, reflector chrome  
2700K -6%, 4000K +7%

**LUMINOUS FLUX** value calculated for 3000K, CRI≥90, colour white, reflector chrome  
2700K -6%, 4000K +7%





**West Tower**  
Manchester, UK – by SimpsonHaugh with  
lighting design by Troup, Bywaters & Anders





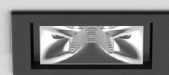
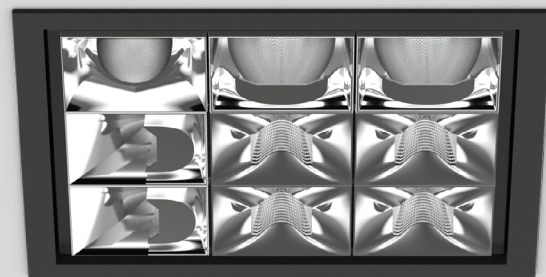




**Penthouse Wörthersee**  
Carinthia, AT – by ROOMS GmbH



← back



## UNICO square

recessed

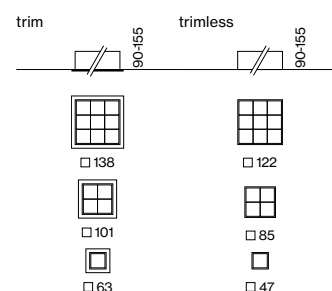
EN Square recessed multi-downlight made of die-cast aluminium; equipped with one (Q1) / four (Q4) / nine (Q9) individually selectable or pre-specified, customised light element(s); or with a sensor; installation without tools in mounting set with ball catch system; easy electrical installation by means of reverse polarity protected plug-in connections; suitable for ceiling thickness of 2-25 mm; surface powder coated; installation possible in different housings; high-quality reflector with micro-faceted, aluminum-vaporised surface; precise radiation characteristic with different symmetrical light distributions; or with asymmetric light distribution; energy-efficient high power LEDs with very good colour rendering; clank-free

ES Downlight múltiple empotrable cuadrado de aluminio; con una (Q1) / cuatro (Q4) / nueve (Q9) óptica(s) a elegir o fijas/específicas para la aplicación o con sensor (Q1); instalación sin herramientas mediante kit de montaje con sistema de inserción; montaje eléctrico sencillo con conexión enchufable protegida contra polarización inversa; para espesores de techo de 2-25 mm; superficie con recubrimiento de pintura en polvo; posibilidad de instalar distintas carcasas; reflector de alta calidad con superficie microfacetada de aluminio vaporizado; proyección precisa con varias distribuciones de luz simétricas; o con distribución de luz asimétrica; LEDs de alta eficiencia con muy buena reproducción cromática; sin reverberación

### Quickinfo

2700 K, 3000 K, 4000 K  
CRI ≥ 90, 3 SDCM  
UGR ≤ 19 / 65° ≤ 1500 cd/m<sup>2</sup>  
Q1 up to 85 lm/W  
Q4 up to 112 lm/W  
Q9 up to 111 lm/W  
L90 @ 50 000 h  
non DIM, DALI-2

### Types



### Colours



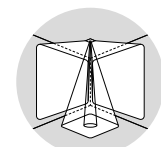
### Light optics / sensors



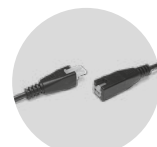
DiiA® standards  
251, 252, 253



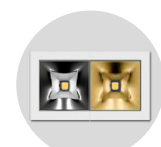
sensor version  
available



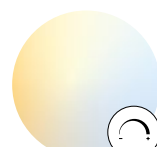
one luminaire  
multiple scenes



plug / socket  
connector



black & gold  
reflector



tunable white  
2700-5000K

### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

CONTROL	
non DIM	1
DALI-2	3

LIGHT OPTIC	
spot round (UGR ≤ 10)	K
narrow medium round (UGR ≤ 10)	N
medium round (UGR ≤ 10)	B
medium square (UGR ≤ 10)	E
flood round (UGR ≤ 16)	C
flood square (UGR ≤ 19)	F
wide flood round	D
wide flood square	G

MATERIAL COLOUR	
○ traffic white RAL 9016	W
● jet black RAL 9005	B

LIGHT OPTIC COLOUR	
chrome reflector	0
black reflector*	B

\*not available for spot round, narrow medium round and wallwasher

### Options on request

COLOUR TEMPERATURE	
tunable white 2700-5000K	
DALI-2 DT8	

LIGHT OPTIC COLOUR	
gold reflector	

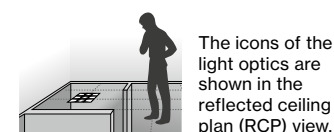
MOUNTING SET	
acoustic soft ceilings	

### Product configurator



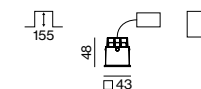
Create your own UNICO PRO  
[unico.xal.com](http://unico.xal.com)

### Planning information



The icons of the light optics are shown in the reflected ceiling plan (RCP) view.

### UNICO Q1 basic recessed



FLOOR	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
6 W	up to 490 lm	090-7 Q 1	090-7 Q 1 :: A 0 2 1

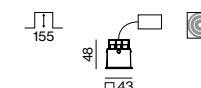
choose one light optic ▲ from the options on the left depending on your room needs

WALL	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
1x wallwasher	6 W	up to 415 lm	090-7 Q 1 :: A 0 2 1

CORRIDOR	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
1x rectangular	6 W	up to 414 lm	090-7 Q 1 :: R 0 2 1

WALL + FLOOR	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
1x wallwasher floor	6 W	up to 432 lm	090-7 Q 1 :: W 0 2 1

### UNICO Q1 sensor recessed



ESSENTIAL SENSOR	TYPE	ORDER CODE
brightness & presence		090-7 Q 1 0 0 0 0



SENSE SENSOR	TYPE	ORDER CODE
brightness, presence, temperature, sound pressure, humidity, CO <sub>2</sub>		090-7 Q 1 0 0 1 0

### Accessories

MOUNTING SET WITH TRIM	TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
for intermediate ceilings 2-25 mm	Q1	63-63-30	50-50	090-7 Q 1 0 2 0 2

TRIMLESS MOUNTING SET	TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
for installation in plasterboard ceilings 12.5/15/20/25 mm	Q1	50-50-47	50-50	090-7 Q 1 0 1 0 0

LUMINOUS FLUX value calculated for 3000 K, CRI ≥ 90, colour white, reflector chrome 2700 K -6%, 4000 K +7%



← back

**Order options**

**COLOUR TEMPERATURE**

2700K	4
3000K	5
4000K	6

**CONTROL**

non DIM	1
DALI-2	3

**LIGHT OPTIC**

spot round (UGR≤10)	K
narrow medium round (UGR≤10)	N
medium round (UGR≤10)	B
medium square (UGR≤10)	E
flood round (UGR≤16)	C
flood square (UGR≤19)	F
wide flood round	D
wide flood square	G

**MATERIAL COLOUR**

○ traffic white RAL 9016	W
● jet black RAL 9005	B

**LIGHT OPTIC COLOUR**

chrome reflector	0
black reflector*	B

\*not available for spot round, narrow medium round and wallwasher

**Options on request**

**COLOUR TEMPERATURE**

tunable white 2700–5000K	
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DALI-2 DT8

**LIGHT OPTIC COLOUR**

gold reflector	
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**MOUNTING SET**

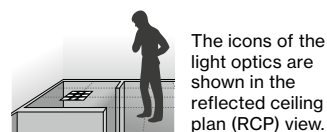
acoustic soft ceilings	
------------------------	--

**Product configurator**



Create your own UNICO PRO  
unico.xal.com

**Planning information**



The icons of the light optics are shown in the reflected ceiling plan (RCP) view.

**UNICO Q4 basic recessed**

**FLOOR**

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
13.9W	up to 1450lm	090-7Q4::▲0■21

choose one light optic ▲ from the options on the left depending on your room needs

**WALL**

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
13.9W	1220lm	090-7Q4::▲A0021

**CORRIDOR**

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
13.9W	1220lm	090-7Q4::▲A0022

**WALL + FLOOR**

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
13.9W	1200lm	090-7Q4::▲90021

**CORNER + FLOOR**

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
13.9W	1200lm	090-7Q4::▲90022

**WALL + FLOOR**

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
13.9W	1280lm	090-7Q4::▲W0■21

**Accessories**

**MOUNTING SET WITH TRIM**  
for intermediate ceilings 2–25 mm

TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
Q4	101-101-30	90-90	090-7Q4020

**TRIMLESS MOUNTING SET**  
for installation in plasterboard ceilings 12.5/15/20/25 mm

TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
Q4	85-85-47	90-90	090-7Q40100

**THROUGH WIRING CONNECTION BOX**

TYPE	L-W-H (mm)	ORDER CODE
non DIM cable ø4–12mm	105-58-30	005-2531110
DALI cable ø4–12mm	105-58-30	005-2551110

**LUMINOUS FLUX** value calculated for  
3000K, CRI≥90, colour white, reflector chrome  
2700K -6%, 4000K +7%

**Order options**

**COLOUR TEMPERATURE**

2700K	4
3000K	5
4000K	6

**CONTROL**

non DIM	1
DALI-2	3

**LIGHT OPTIC**

spot round (UGR≤10)	K
narrow medium round (UGR≤10)	N
medium round (UGR≤10)	B
medium square (UGR≤10)	E
flood round (UGR≤16)	C
flood square (UGR≤19)	F
wide flood round	D
wide flood square	G

**MATERIAL COLOUR**

○ traffic white RAL 9016	W
● jet black RAL 9005	B

**LIGHT OPTIC COLOUR**

chrome reflector	0
black reflector*	B

\*not available for spot round, narrow medium round and wallwasher

**Options on request**

**COLOUR TEMPERATURE**

tunable white 2700–5000K	
--------------------------	--

DALI-2 DT8

**LIGHT OPTIC COLOUR**

gold reflector	
----------------	--

**MOUNTING SET**

acoustic soft ceilings	
------------------------	--

**LUMINOUS FLUX** value calculated for  
3000K, CRI≥90, colour white, reflector chrome  
2700K -6%, 4000K +7%

**UNICO Q9 basic recessed**

**FLOOR**

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
32W	up to 3310lm	090-7Q9::▲0■21

choose one light optic ▲ from the options on the left depending on your room needs

**WALL**

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
32W	2800lm	090-7Q9::▲A0021

**WALL + FLOOR**

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
32W	3080lm	090-7Q9::▲90021

**WALL + CORRIDOR**

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
32W	2790lm	090-7Q9::▲90022

**WALL + FLOOR**

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
32W	2920lm	090-7Q9::▲W0■21

**Accessories**

**MOUNTING SET WITH TRIM**  
for intermediate ceilings 2–25 mm

TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
Q9	138-138-30	130-130	090-7Q9020

**TRIMLESS MOUNTING SET**  
for installation in plasterboard ceilings 12.5/15/20/25 mm

TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
Q9	125-125-47	130-130	090-7Q90100

**THROUGH WIRING CONNECTION BOX**

TYPE	L-W-H (mm)	ORDER CODE
non DIM cable ø4–12mm	105-58-30	005-2531110
DALI cable ø4–12mm	105-58-30	005-2551110

**LUMINOUS FLUX** value calculated for  
3000K, CRI≥90, colour white, reflector chrome  
2700K -6%, 4000K +7%



**Aertssen Group** Beveren, BE –  
by Mertens Architecten with  
lighting design by Eef Debeuf

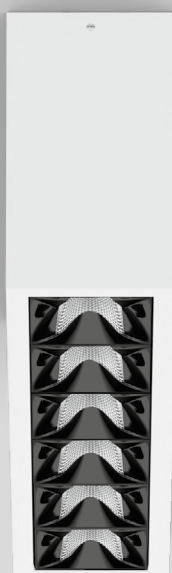
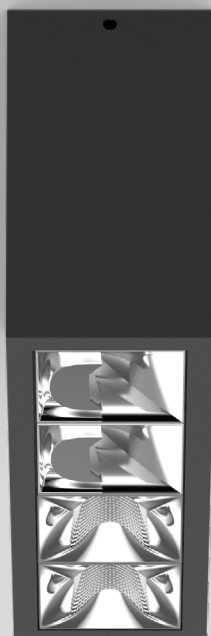




**Fortuna Financial Group**  
Antwerp, BE – by Kris Rymenants  
Architectenbureau



← back



# UNICO linear

ceiling

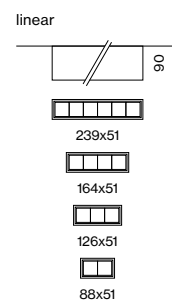
**EN** Rectangular surface mounted multi-downlight made of aluminium; equipped with two (L2) / three (L3) / four (L4) / six (L6) individually selectable or pre-specified, customised light elements; luminaire housing can be attached to mounting plate without tools by interlock; converter integrated into luminaire housing; surface powder coated; high-quality reflector with micro-faceted, aluminum-vaporised surface; precise radiation characteristic with different symmetrical light distributions; or with asymmetric light distribution; energy-efficient high power LEDs with very good colour rendering; clank-free

**ES** Downlight múltiple de superficie cuadrado de aluminio; con dos (L2) / tres (L3) / cuatro (L4) / seis (L6) ópticas a elegir o fijadas/específicas para la aplicación; cuerpo de luminaria enclavable en placa de montaje sin necesidad de herramienta; convertidor integrado en cuerpo de luminaria; superficie con recubrimiento de pintura en polvo; reflector de alta calidad con superficie microfacetada de aluminio vaporizado; proyección precisa con varias distribuciones de luz simétricas; o con distribución de luz asimétrica; LEDs de alta eficiencia con muy buena reproducción cromática; sin reverberación

### Quickinfo

2700 K, 3000 K, 4000 K  
 CRI ≥ 90, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 L2 up to 95 lm/W  
 L3 up to 97 lm/W  
 L4 up to 103 lm/W  
 L6 up to 103 lm/W  
 L90 @ 50 000h  
 non DIM, DALI-2

### Types



### Colours



### Light optics



### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6
CONTROL	
non DIM	1
DALI-2	3

LIGHT OPTIC	
spot round (UGR ≤ 10)	K
narrow medium round (UGR ≤ 10)	N
medium round (UGR ≤ 10)	B
medium square (UGR ≤ 10)	E
flood round (UGR ≤ 16)	C
flood square (UGR ≤ 19)	F
wide flood round	D
wide flood square	G

MATERIAL COLOUR	
○ traffic white RAL 9016	W
● white aluminium RAL 9006	G
● jet black RAL 9005	B
● gold dust RAL 260-M	9

LIGHT OPTIC COLOUR	
chrome reflector	0
black reflector*	B

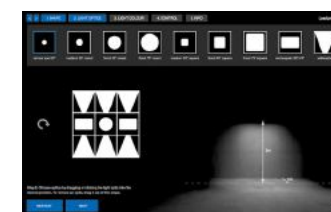
\*not available for spot round, narrow medium round and wallwasher

### Options on request

COLOUR TEMPERATURE	
tunable white 2700–5000 K	
DALI-2 DT8	

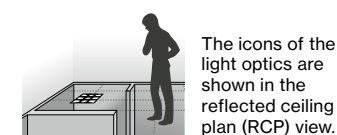
LIGHT OPTIC COLOUR	
gold reflector	

### Product configurator

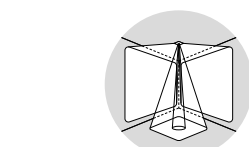


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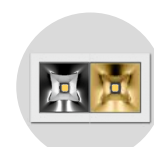
### Planning information



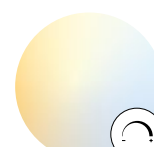
The icons of the light optics are shown in the reflected ceiling plan (RCP) view.



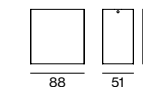
one luminaire multiple scenes



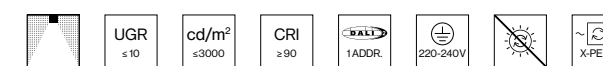
black & gold reflector



tunable white 2700–5000 K



### UNICO L2 basic ceiling



FLOOR	
SYSTEM POWER	LUMINOUS FLUX
12.6 W	up to 1150 lm
	ORDER CODE
	090-1L2:::A■01

choose one light optic ▲ from the options on the left depending on your room needs

CORRIDOR	
2x rectangular	
SYSTEM POWER	LUMINOUS FLUX
12.6 W	971 lm
	ORDER CODE
	090-1L2:::R■01

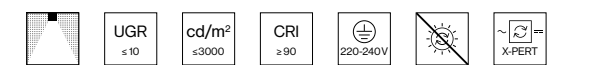
WALL	
2x wallwasher	
SYSTEM POWER	LUMINOUS FLUX
12.6 W	973 lm
	ORDER CODE
	090-1L2:::A■001

WALL + FLOOR	
2x wallwasher floor	
SYSTEM POWER	LUMINOUS FLUX
12.6 W	947 lm
	ORDER CODE
	090-1L2:::W■01

WALL + FLOOR	
2x wallwasher floor	
SYSTEM POWER	LUMINOUS FLUX
12.6 W	1020 lm
	ORDER CODE
	090-1L2:::W■02



### UNICO L3 basic ceiling



FLOOR	
SYSTEM POWER	LUMINOUS FLUX
18.9 W	up to 1720 lm
	ORDER CODE
	090-1L3:::A■01

choose one light optic ▲ from the options on the left depending on your room needs

WALL	
3x wallwasher	
SYSTEM POWER	LUMINOUS FLUX
18.9 W	1460 lm
	ORDER CODE
	090-1L3:::A■001

LUMINOUS FLUX value calculated for 3000K, CRI ≥ 90, colour white, reflector chrome 2700 K -6%, 4000 K +7%



← back

**Order options**

**COLOUR TEMPERATURE**

2700K	4
3000K	5
4000K	6

**CONTROL**

non DIM	1
DALI-2	3

**LIGHT OPTIC**

spot round (UGR ≤ 10)	K
narrow medium round (UGR ≤ 10)	N
medium round (UGR ≤ 10)	B
medium square (UGR ≤ 10)	E
flood round (UGR ≤ 16)	C
flood square (UGR ≤ 19)	F
wide flood round	D
wide flood square	G

**MATERIAL COLOUR**

○ traffic white RAL 9016	W
● white aluminium RAL 9006	G
● jet black RAL 9005	B
● gold dust RAL 260-M	9

**LIGHT OPTIC COLOUR**

chrome reflector	O
black reflector*	B

\*not available for spot round, narrow medium round and wallwasher

**Options on request**

**COLOUR TEMPERATURE**

tunable white 2700-5000K	
DALI-2 DT8	

**LIGHT OPTIC COLOUR**

gold reflector	
----------------	--

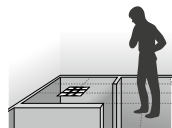
**Product configurator**



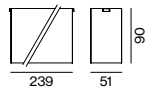
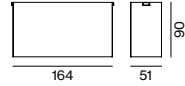
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**Planning information**



The icons of the light optics are shown in the reflected ceiling plan (RCP) view.



**UNICO L4 basic ceiling**



**FLOOR**

<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
20.4W	up to 1920lm	090-1L4::A01

choose one light optic ▲ from the options on the left depending on your room needs



**WALL**

4x wallwasher		
<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
20.4W	1620lm	090-1L4::A01



**FLOOR/WALL + FLOOR**

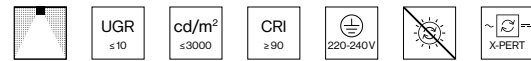
4x wallwasher floor		
<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
20.4W	1690lm	090-1L4::W01



**WALL + FLOOR**

4x wallwasher floor		
<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
20.4W	1690lm	090-1L4::W02

**UNICO L6 basic ceiling**



**FLOOR**

<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
28.6W	up to 2790lm	090-1L6::A01

choose one light optic ▲ from the options on the left depending on your room needs



**CORRIDOR**

6x rectangular		
<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
28.6W	2350lm	090-1L6::R01



**WALL**

6x wallwasher		
<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
28.6W	2360lm	090-1L6::A01



**WALL + FLOOR**

6x wallwasher floor		
<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
28.6W	2460lm	090-1L6::W01

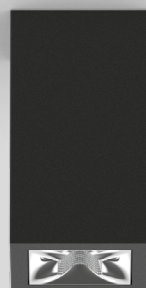
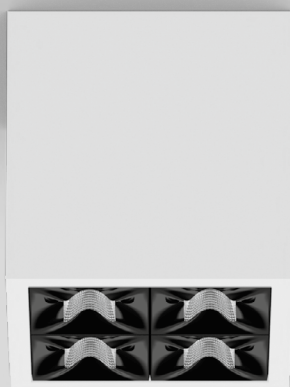
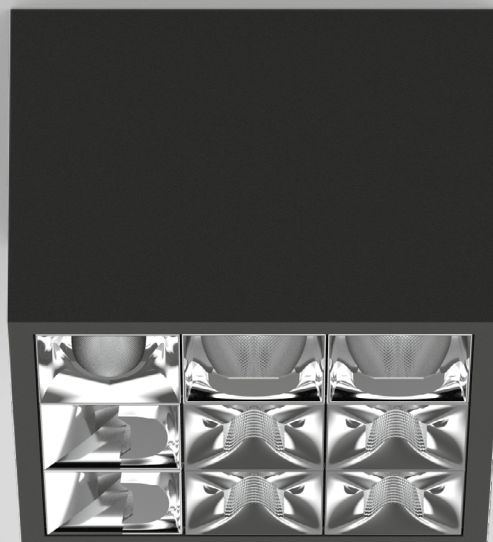
**LUMINOUS FLUX** value calculated for 3000K, colour white, reflector chrome 2700K -6%, 4000K +7%



**Babylon**  
Den Haag, NL – by Studio Linse



← back



reddot winner 2020

## UNICO square

ceiling

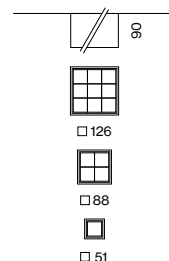
**EN** Square surface mounted multi-downlight made of aluminium; equipped with one (Q1) / four (Q4) / nine (Q9) individually selectable or pre-specified, customised light element(s); luminaire housing can be attached to mounting plate without tools by interlock; converter integrated into luminaire housing; surface powder coated; high-quality reflector with micro-faceted, aluminum-vaporised surface; precise radiation characteristic with different symmetrical light distributions; or with asymmetric light distribution; energy-efficient high power LEDs with very good colour rendering; clank-free

**ES** Downlight múltiple de superficie cuadrado de aluminio; con una (Q1) / cuatro (Q4) / nueve (Q9) ópticas a elegir o fijas/específicas para la aplicación; cuerpo de luminaria enclavable en placa de montaje sin necesidad de herramienta; convertidor integrado en cuerpo de luminaria; superficie con recubrimiento de pintura en polvo; reflector de alta calidad con superficie microfacetada de aluminio vaporizado; proyección precisa con varias distribuciones de luz simétricas; o con distribución de luz asimétrica; LEDs de alta eficiencia con muy buena reproducción cromática; sin reverberación

### Quickinfo

2700 K, 3000 K, 4000 K  
CRI ≥ 90, 3 SDCM  
UGR ≤ 19 / 65° ≤ 3000 cd/m²  
Q1 up to 95 lm/W  
Q4 up to 103 lm/W  
Q9 up to 105 lm/W  
L90 @ 50 000 h  
non DIM, DALI-2

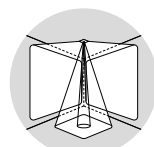
### Types



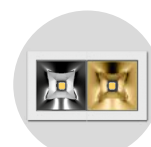
### Colours



### Light optics



one luminaire  
multiple scenes



black & gold  
reflector



tunable white  
2700–5000 K

### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

CONTROL	
non DIM	1
DALI-2	3

LIGHT OPTIC	
spot round (UGR ≤ 10)	K
narrow medium round (UGR ≤ 10)	N
medium round (UGR ≤ 10)	B
medium square (UGR ≤ 10)	E
flood round (UGR ≤ 16)	C
flood square (UGR ≤ 19)	F
wide flood round	D
wide flood square	G

MATERIAL COLOUR	
○ traffic white RAL 9016	W
● white aluminium RAL 9006	G
● jet black RAL 9005	B
● gold dust RAL 260-M	9

LIGHT OPTIC COLOUR	
chrome reflector	0
black reflector*	B

\*not available for spot round, narrow medium round and wallwasher

### Options on request

COLOUR TEMPERATURE	
tunable white 2700–5000 K	
DALI-2 DT8	

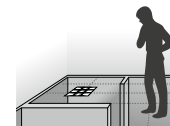
LIGHT OPTIC COLOUR	
gold reflector	

### Product configurator



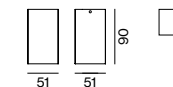
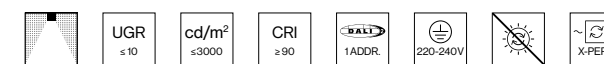
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### Planning information



The icons of the light optics are shown in the reflected ceiling plan (RCP) view.

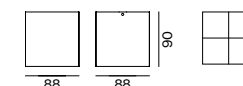
### UNICO Q1 basic ceiling



FLOOR	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
	6.5 W	up to 575 lm	090-1Q1::1▲■01

choose one light optic ▲ from the options on the left depending on your room needs

### UNICO Q4 basic ceiling



FLOOR	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
	20.4 W	up to 1920 lm	090-1Q4::4▲■01

choose one light optic ▲ from the options on the left depending on your room needs

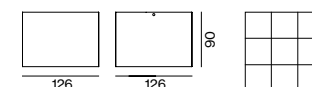


WALL	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
4x wallwasher	20.4 W	1620 lm	090-1Q4::4▲■001



CORNER + FLOOR	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
2x wallwasher floor + 2x medium square	20.4 W	1630 lm	090-1Q4::4▲■01

### UNICO Q9 basic ceiling



FLOOR	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
	36 W	up to 3550 lm	090-1Q9::9▲■01

choose one light optic ▲ from the options on the left depending on your room needs



WALL	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
9x wallwasher	36 W	3000 lm	090-1Q9::9▲■001



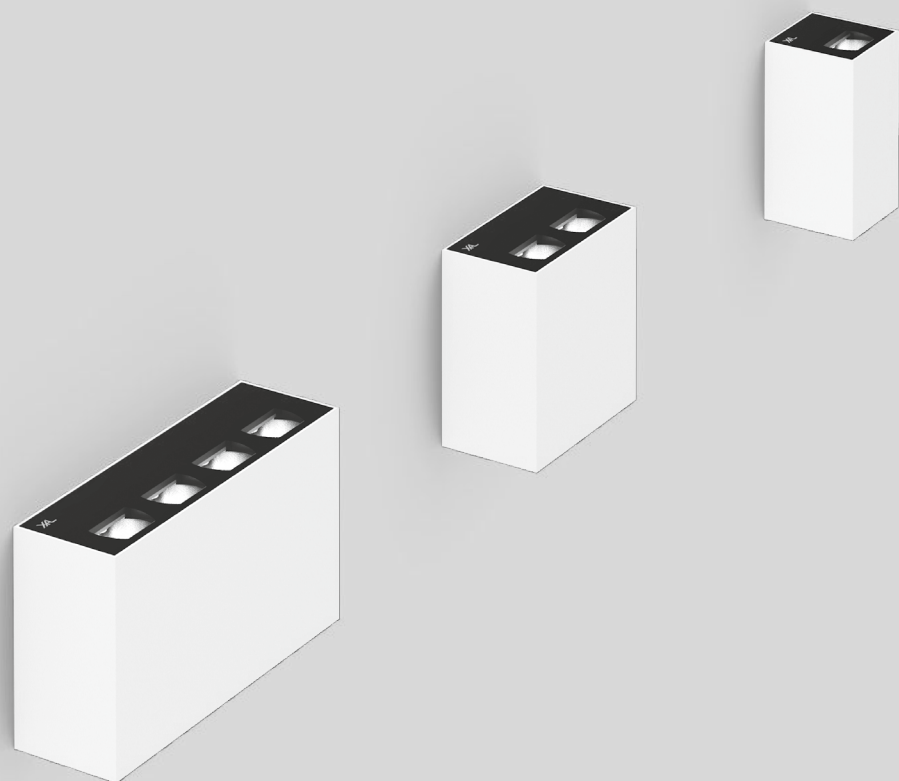
WALL + CORRIDOR	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
6x wallwasher floor + 3x rectangular	36 W	3090 lm	090-1Q9::9▲■01

LUMINOUS FLUX value calculated for 3000 K, CRI ≥ 90, colour white, reflector chrome 2700 K -6%, 4000 K +7%



**Granitlab Coworking**  
St. Martin im Mühlkreis, AT –  
by GHT-Plan GmbH with lighting design  
by GHT-Plan GmbH, AREA C.I. Design GmbH





## UNICO

wall surface

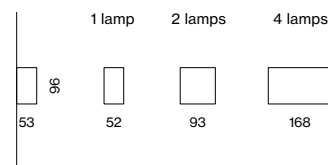
<sup>EN</sup> Rectangular wall surface mounted multi-uplight made of aluminium; equipped with one light inset (1 lamp) / two (2 lamps) / four (4 lamps) light insets; luminaire housing can be attached to mounting plate without tools by interlock; converter integrated into luminaire housing; surface powder coated; high-quality reflector with micro-faceted, aluminum-vaporised surface; homogeneous wall or ceiling illumination through uniform light distribution; energy-efficient high power LEDs with very good colour rendering; luminaire for through wiring

<sup>ES</sup> Uplight múltiple de superficie rectangular de aluminio; con uno (1 LAMP) / dos (2 LAMPS) / cuatro (4 LAMPS) insertos lumin.; cuerpo de luminaria enclavable en placa de montaje sin necesidad de herramienta; convertidor integrado en cuerpo de luminaria; superficie con recubrimiento de pintura en polvo; reflector de alta calidad con superficie microfacetada de aluminio vaporizado; iluminación homogénea de pared o techo mediante distribución uniforme de la luz; LEDs de alta eficiencia con muy buena reproducción cromática; luminaria para conexión adicional

### Quickinfo

2700 K, 3000 K, 4000 K  
CRI ≥ 90, 3 SDCM  
up to 49 lm/W  
L90 @ 50 000 h  
non DIM, DALI-2

### Types



### Colours



### Light distribution



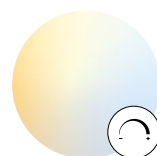
ceiling washer



homogeneous ceiling illumination



safety glass for dust protection



tunable white 2700–5000 K

### Order options

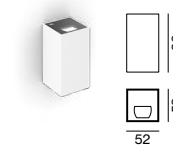
COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
○ traffic white RAL 9016	W
● white aluminium RAL 9006	G
● jet black RAL 9005	B

### Options on request

COLOUR TEMPERATURE	
tunable white 2700–5000 K	
only available for 2 lamps and 4 lamps DALI-2 DT8	

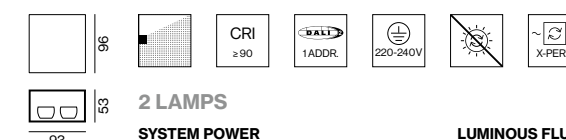


### UNICO wall surface



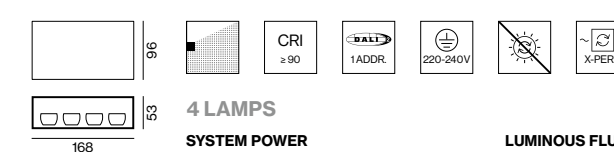
#### 1 LAMP

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
5.9 W	240 lm	090-0L1:::1T001



#### 2 LAMPS

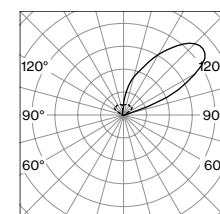
SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
17.4 W	740 lm	090-0L2:::2T001



#### 4 LAMPS

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
30.0 W	1380 lm	090-0L4:::4T001

### Light distribution



microprismatic direct/indirect power

**LUMINOUS FLUX** value calculated for 3000 K, CRI ≥ 90, colour white, reflector chrome 2700 K -6%, 4000 K +7%

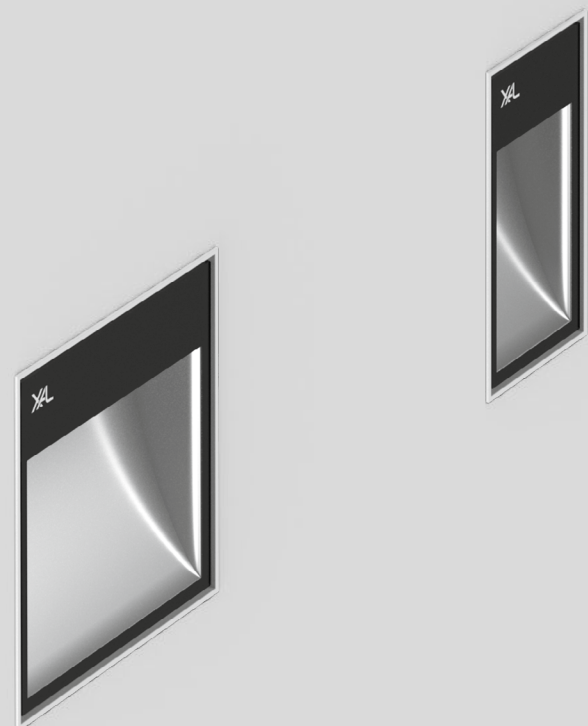


**Office**  
Visualisation





← back



# UNICO

wall recessed

**EN** Recessed wall luminaire in aluminium; installation without tools in mounting set (trimless or with trim) with ball catch system; installation possible in different housings; surface powder coated; incl. external converter; high-quality reflector with micro-faceted, aluminum-vaporised surface; different asymmetrical light distributions; installation optionally for floor or ceiling illumination; energy-efficient high power LEDs with very good colour rendering

**ES** Lámpara de pared empotr. aluminio; instalación sin herramientas mediante kit de montaje (con o sin marco) con sistema inserción de bola; posibilidad de instalar distintas carcassas; superficie con recubrimiento de pintura en polvo; con convertidor externo; reflector de alta calidad con superficie de múltiples facetas revestida con aluminio por vaporización; diferentes distribuciones de luz asimétrica; montaje para iluminación de suelo o de techo; LEDS de alta eficiencia que proporcionan una alta reproducción cromática

## Quickinfo

2700 K, 3000 K, 4000 K  
 CRI ≥ 90, 3 SDCM  
 up to 53 lm/W  
 L90 @ 50 000 h  
 non DIM, DALI-2

## Types



## Colours



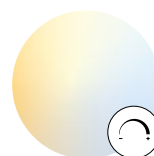
## Light distribution



homogeneous floor illumination



safety glass for dust protection



tunable white 2700–5000 K

## Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

CONTROL	
non DIM	1
DALI-2	3

LIGHT OPTIC	
wide floor	

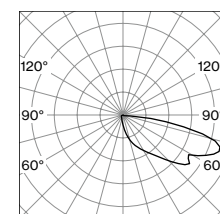
MATERIAL COLOUR	
○ traffic white RAL 9016	W
● jet black RAL 9005	B

## Options on request

COLOUR TEMPERATURE	
tunable white 2700–5000 K	

only available for 2 lamps | DALI-2 DT8

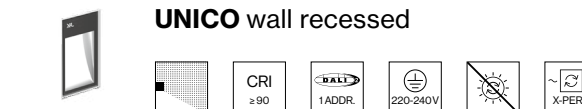
## Light distribution



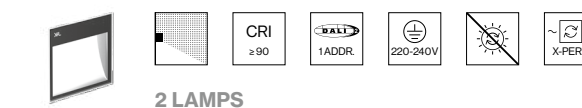
microprismatic direct/indirect power

**LUMINOUS FLUX** value calculated for 3000 K, CRI ≥ 90, colour white, reflector chrome 2700 K -6%, 4000 K +7%

## UNICO wall recessed



1 LAMP	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
	7.3 W	340 lm	090-6L1::UB001



2 LAMPS	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
	12.5 W	610 lm	090-6L2::UB001

## Accessories

MOUNTING SET WITH TRIM			
for intermediate ceilings 2–25 mm			
TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
1 lamp	101-63-20	90-50	090-7L2020
2 lamps	101-101-30	90-50	090-7Q4020

TRIMLESS MOUNTING SET			
for installation in plasterboard ceilings 12.5/15/20/25 mm			
TYPE	L-W-H (mm)	CUTOUT (mm)	ORDER CODE
1 lamp	88-50-47	90-50	090-7L20100
2 lamps	85-85-47	90-50	090-7Q40100

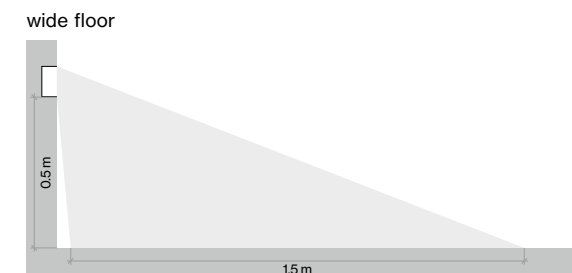
PRIMED CONCRETE MOUNTING SET		
TYPE	L-W-H (mm)	ORDER CODE
primed concrete ceilings	240-400-130	052-1914320

order mounting set separately

EXPOSED CONCRETE MOUNTING SET		
TYPE		ORDER CODE
1 lamp exposed concrete		090-6L10500
2 lamps exposed concrete		090-6L20600

order mounting set separately

## Planning information



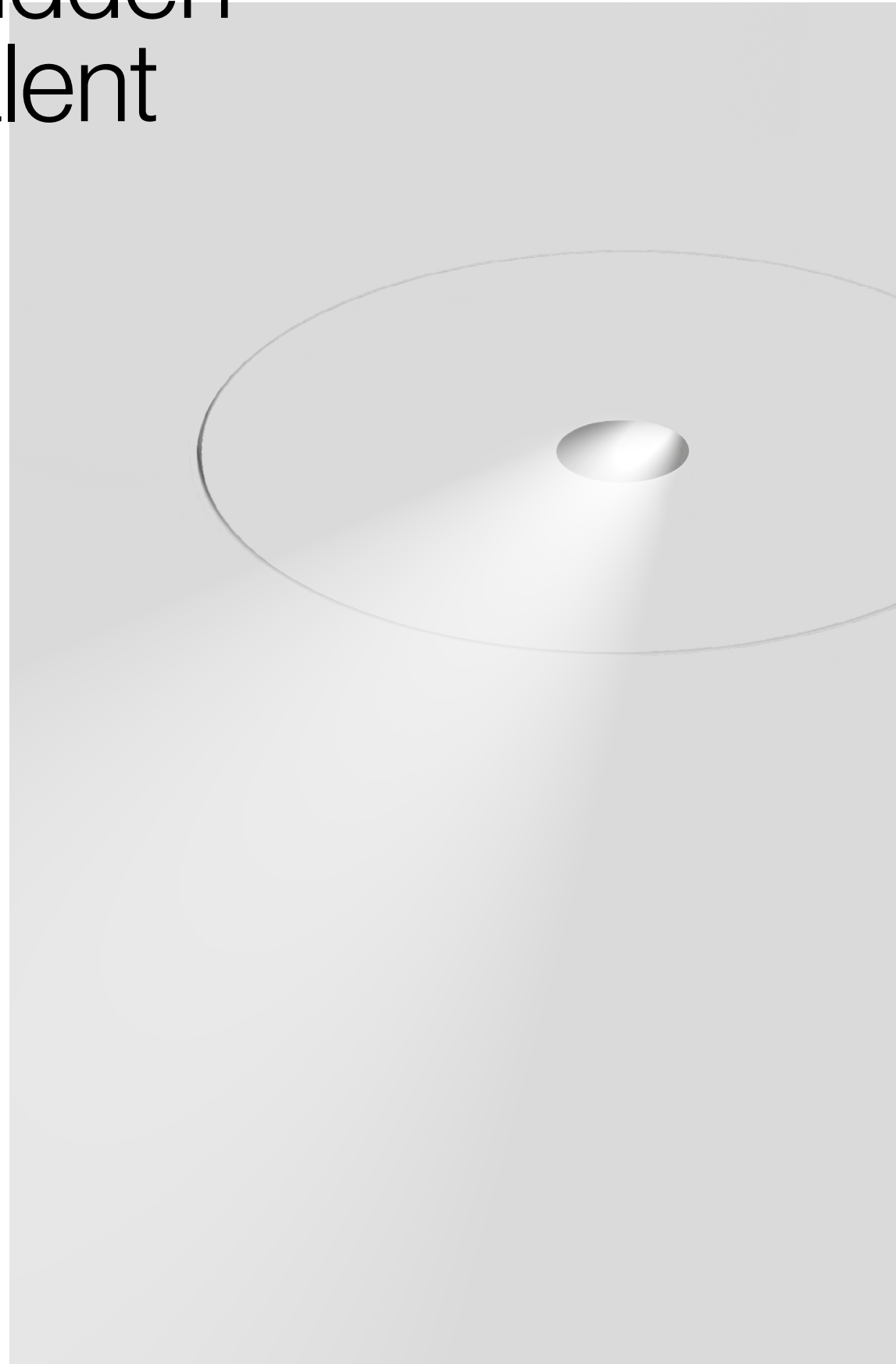


**Office**  
Visualisation





# Hidden talent



## SPIO

**EN** Round, recessed SPIO spotlights bring special lighting to your rooms. The luminaire provides an impressive lighting effect, trimless or with a trim. The housing can be painted over, allowing the spotlight to blend seamlessly into the ceiling. The small light aperture of 10 mm makes the SPIO itself appear almost hidden – but the equally effective and calm overall impression is anything but invisible. The round, recessed spotlight is available with beam angles of 35° or 44° and can be rotated 360° in the housing and pivoted 30° in all directions. These different lighting options mean that versatile designs for interiors are possible. SPIO is available in the light colours 2700 K, 3000 K, and 4000 K.

**ES** Los focos redondos empotrables SPIO le permiten disfrutar de una iluminación especial en cualquier estancia. La luminaria garantiza un efecto luminoso impresionante, tanto en su variante sin borde como en la dotada de borde perimetral. La carcasa puede pintarse, con lo que el foco se integra en el techo a la perfección. Su reducida abertura de salida de luz de tan solo 10 mm hace que la SPIO parezca casi oculta, pero la impresión global –sosegada y espectacular– es todo menos invisible. El spot empotrable redondo, disponible con un ángulo de apertura de 35° o 44°, puede girarse 360° e inclinarse a 30° en todas las direcciones. Esto permite una variada configuración del espacio basada en las distintas posibilidades de iluminación. SPIO está disponible en temperaturas de color de 2700 K, 3000 K y 4000 K.

### Type

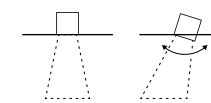


60

### Mountings

trimless  
recessedwith trim  
recessed

### Light distributions



downlight

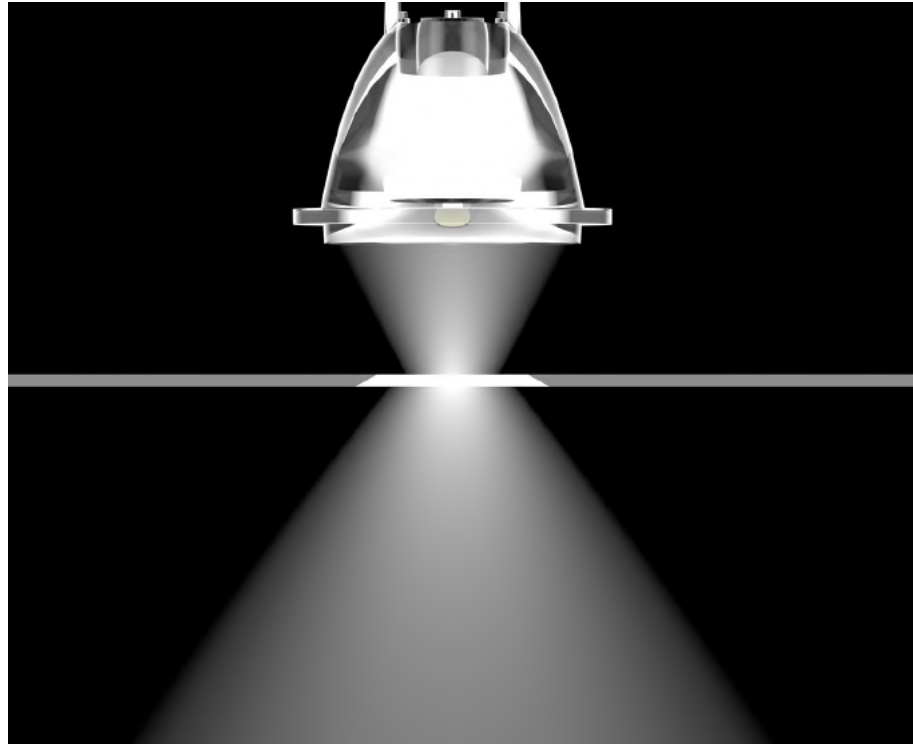
spotlight



## High-efficiency lens

**EN** Large light output – almost unnoticed. SPIO has a special LFO lens, which is mounted at an exact distance from the light-emission surface, thus ensuring that no light beam appears on the inner surface of the housing. This reduces the light-emission surface, and SPIO illuminates the room almost unnoticed.

**ES** Gran intensidad luminosa –pero casi imperceptible. SPIO dispone de una lente especial LFO de enfoque ultracorto que se monta a una distancia precisa respecto a la superficie de salida de luz. Esa distancia garantiza que ningún rayo de luz incida en el interior de la carcasa. Esto reduce la superficie de salida de luz, haciendo que las luminarias SPIO iluminen los espacios de un modo casi imperceptible.



## Homogeneous appearance

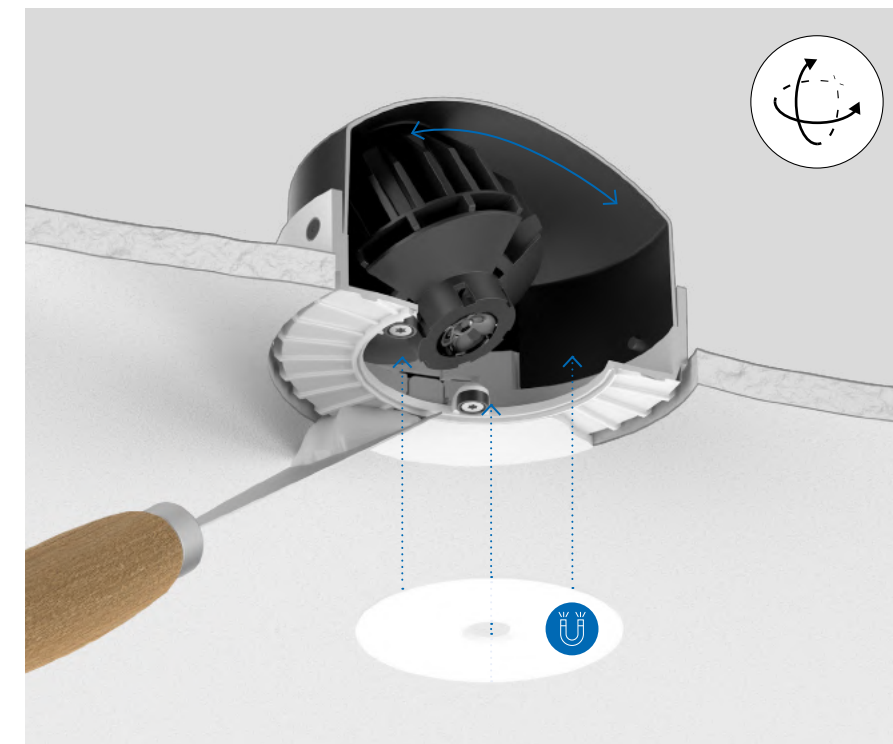
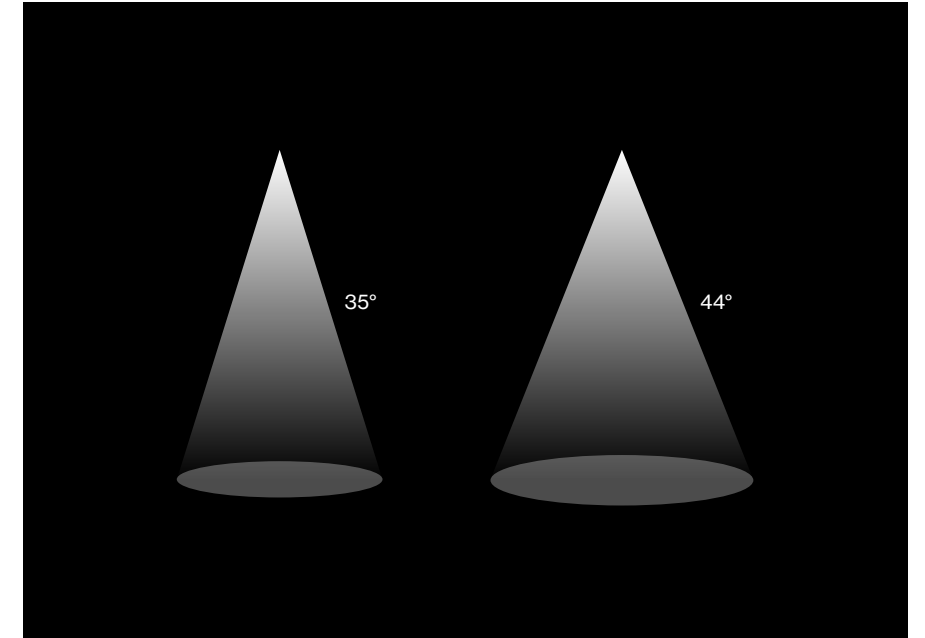
**EN** SPIO is the right choice for a uniform ceiling appearance. Thanks to its extremely small light aperture of 10 mm, the recessed spotlight appears almost invisible. The effective lighting is rounded off by its minimalist design language.

**ES** SPIO es la elección correcta para un patrón de techo uniforme. Gracias a su reducida abertura de salida de luz de tan solo 10 mm, el foco empotrable parece casi invisible. Su eficaz efecto luminoso se completa con un lenguaje de formas minimalista.

## Light distribution

**EN** Despite its small emission surface, the recessed spotlight achieves a beam angle of either 35° or 44°. SPIO thus provides glare-free light and skilfully stages objects.

**ES** Pese a su superficie de salida reducida, el foco empotrable alcanza un ángulo de apertura de 35° o 44°. Con ello, SPIO ofrece una luz libre de deslumbramiento.



## Precise light adjustment

**EN** The adjustable version of SPIO, patent pending, can be moved in all directions thanks to a magnetic plate. The spotlight can thus both be rotated 360° and pivoted up to 30° in all directions. As a result, it offers the greatest flexibility in directing and guiding light exactly where it is desired.

**ES** La variante regulable y pendiente de ser patentada de SPIO puede moverse en cualquier dirección gracias a su cabezal magnético. Esto hace que, además de girar a 360°, el foco pueda inclinarse hasta 30° en todas las direcciones. Así es capaz de ofrecer la máxima flexibilidad en la orientación y el direccionamiento de la luz exactamente hasta el lugar deseado.

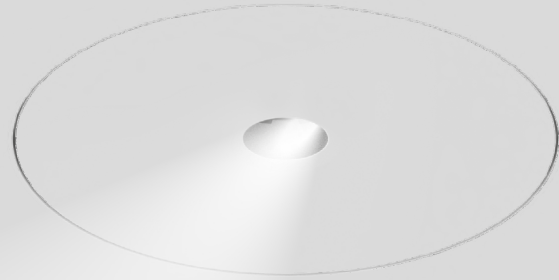
## Smooth and invisible

**EN** The trimless SPIO version can easily be maintained and adjusted thanks to its magnetic cover. The spotlight is completely fitted into a plasterboard ceiling. The recessed housing and ceiling can subsequently be painted over. The spots thus appear "invisible", creating a homogeneous, effective overall impression.

**ES** La variante sin marco de SPIO es fácil de ajustar y de manipular gracias a su cubierta magnética. El foco se empotra por completo en una plancha de yeso. La carcasa empotrada puede pintarse junto con el techo de la sala. De ese modo, los spots parecen "invisibles", obteniéndose una impresión general homogénea de gran efecto. Su mantenimiento es además muy sencillo gracias a la cubierta magnética.



← back



reddot winner 2022



# SPIO 60

recessed

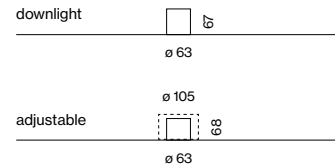
EN Round recessed spotlight in die-cast aluminium; installation without tools in mounting set with ball catch system or with magnetic attachment; for trimless installation in plasterboard ceilings; paintable cover; shadow joint between cover and mounting set optionally fillable; choice of adjustable or fixed symmetric radiation characteristic; high quality lens system; uncluttered ceiling look through recessed lighting level; reduced light-emitting surface (only ø10 mm); no multiple shadows; efficient LEDs with very good colour rendering

ES Proyector empotrable redondo de inyección en aluminio; instalación sin herramientas mediante kit de montaje con sistema inserción de bola o con fijación magnética; para montaje sin marco en techos de yeso; placa cobertora pintable; separación emplastable entre la placa cobertora y el kit de montaje; proyección simétrica fija o regulable; óptica de alta calidad; vista de techo con luminaria empotrada; superficie emis. de luz reducida (solo ø10 mm); no sombras múltiples; LEDs de eficiencia que proporcionan una alta reproducción cromática

## Quickinfo

2700 K, 3000 K  
CRI ≥ 90, 2 SDCM  
up to 60 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2

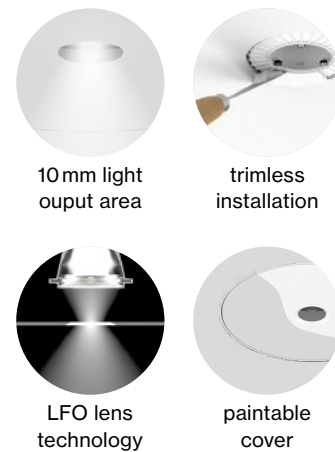
## Types



## Colour



## Light distributions



## Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5

## MATERIAL COLOUR

○ traffic white RAL9016  
paintable cover

## BEAM ANGLE

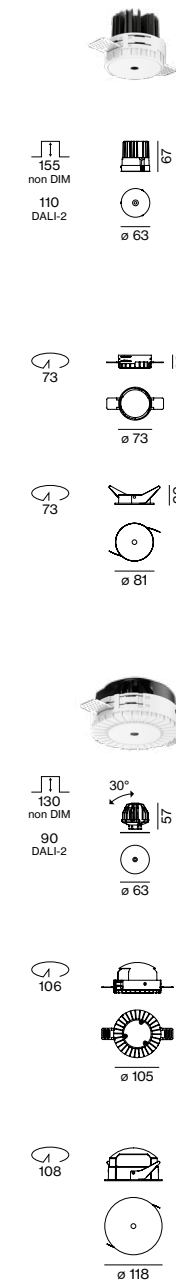
flood 35°	F
wide flood 44°	W

## Options on request

COLOUR TEMPERATURE  
4000 K

## CONCRETE HOUSING

primed concrete ceiling  
exposed concrete ceiling



## SPIO 60 downlight



DOWNLIGHT	INSET POWER	LUMINOUS FLUX	ORDER CODE
	12.2 W 12 Vf 1050 mA	693 lm	0 4 8 - 1 5 1 0 :: 1 7 ▲

## Mounting accessories

TRIMLESS MOUNTING SET for plasterboard ceilings 12.5/15/25 mm

COLOUR	ORDER CODE
○ traffic white RAL9016	0 4 8 - 2 6 9 6 1 1 7

MOUNTING SET WITH TRIM for intermediate ceilings 2–25 mm

COLOUR	ORDER CODE
○ traffic white RAL9016	0 4 8 - 1 5 9 7 2 0 7
● jet black RAL 9005	0 4 8 - 1 5 9 7 2 0 8

## SPIO 60 adjustable



ADJUSTABLE	INSET POWER	LUMINOUS FLUX	ORDER CODE
	9.7 W 12 Vf 850 mA	582 lm	0 4 8 - 1 5 2 0 :: 1 7 ▲

## Mounting accessories

TRIMLESS MOUNTING SET for plasterboard ceilings 12.5/15/25 mm

COLOUR	ORDER CODE
○ traffic white RAL9016	0 4 8 - 1 5 9 8 1 0 7

MOUNTING SET WITH TRIM for intermediate ceilings 2–25 mm

COLOUR	ORDER CODE
○ traffic white RAL9016	0 4 8 - 1 5 9 7 1 0 7
● jet black RAL 9005	0 4 8 - 1 5 9 7 1 0 8

## Electrical accessories

POWER SUPPLY 220-240 V AC, 50-60 Hz, □ PC II

TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
850 mA   non DIM	η 85 %	147-44-22	0 0 2 - 9 0 7 8 5
850 mA   DALI-2	η 85 %	147-44-22	0 0 2 - 9 0 7 8 6
1050 mA   non DIM	η 85 %	147-44-22	0 0 2 - 9 0 7 8 7
1050 mA   DALI-2	η 85 %	147-44-22	0 0 2 - 9 0 7 8 8

## DIN RAIL COMPONENTS

TYPE	W-H-D (mm)	ORDER CODE
POWER SUPPLY 220-240 V AC 96 W   48 V DC constant voltage	90-90-60	0 0 5 - 6 5 2 0 2 1 0
LED DRIVER DALI-2 DT6 1-2 addr. 200–1050 mA settable const. current 2 × 42 W   48 V DC   U <sub>OUT</sub> 10–40 V	36-88-59	0 0 5 - 6 1 2 1 0 3 0

for more details and components see page 981

INSET POWER is the current consumption excluding any ballast  
LUMINOUS FLUX value calculated for 3000 K, CRI ≥ 90, colour white, lens flood 2700 K -5%



**Private Residence**  
Visualisation





**Private Residence**  
Visualisation





# Spotlights behind the scene

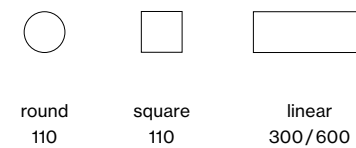


## CAVO

**EN** CAVO embodies a new type of lighting system. The round, square, rectangular, or flexible installation system can be integrated flush in suspended ceilings. The spotlights can be positioned and connected almost anywhere using a patented magnet system while remaining discreetly in the background. The spots can be rotated and swivelled individually. The glowing variant offers decorative indirect lighting of the recessed housing, which backlights the spots and effectively de-locates the light points.

**ES** CAVO materializa un nuevo tipo de sistema de iluminación. La carcasa empotrable redonda, cuadrada, rectangular o de diseño flexible se integra a ras de superficie en techos suspendidos. En ella, los proyectores pueden posicionarse y conectarse en casi cualquier posición gracias a un sistema magnético patentado, proporcionando una iluminación extremadamente discreta y funcional. Los proyectores pueden girarse y orientarse individualmente. Además, la variante Glowing ofrece una iluminación indirecta decorativa de que hace posible una retroiluminación de los spots y oculta los puntos de luz.

### Types

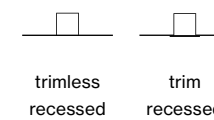


round  
110

square  
110

linear  
300/600

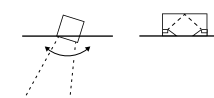
### Mountings



trimless  
recessed

trim  
recessed

### Light distributions



spotlight

indirect  
glowing light



## Works invisibly

**EN** CAVO spotlights are mounted without tools and magnetically fixed, discreetly concealing the light source in the housing. The recessed light point plane also provides ample glare control.

**ES** Los proyectores CAVO se montan sin herramientas y se fijan magnéticamente, por lo que la fuente de luz se oculta discretamente en la carcasa. El plano de punto de luz retranqueado garantiza una magnífica solución contra el deslumbramiento.



## Magnetic attachment

**EN** CAVO spotlights are easy to rotate and swivel and can be repositioned and rearranged according to requirements, providing maximum mobility and light exactly where it is needed. The magnet system repositions each spotlight within the housing with just one touch.

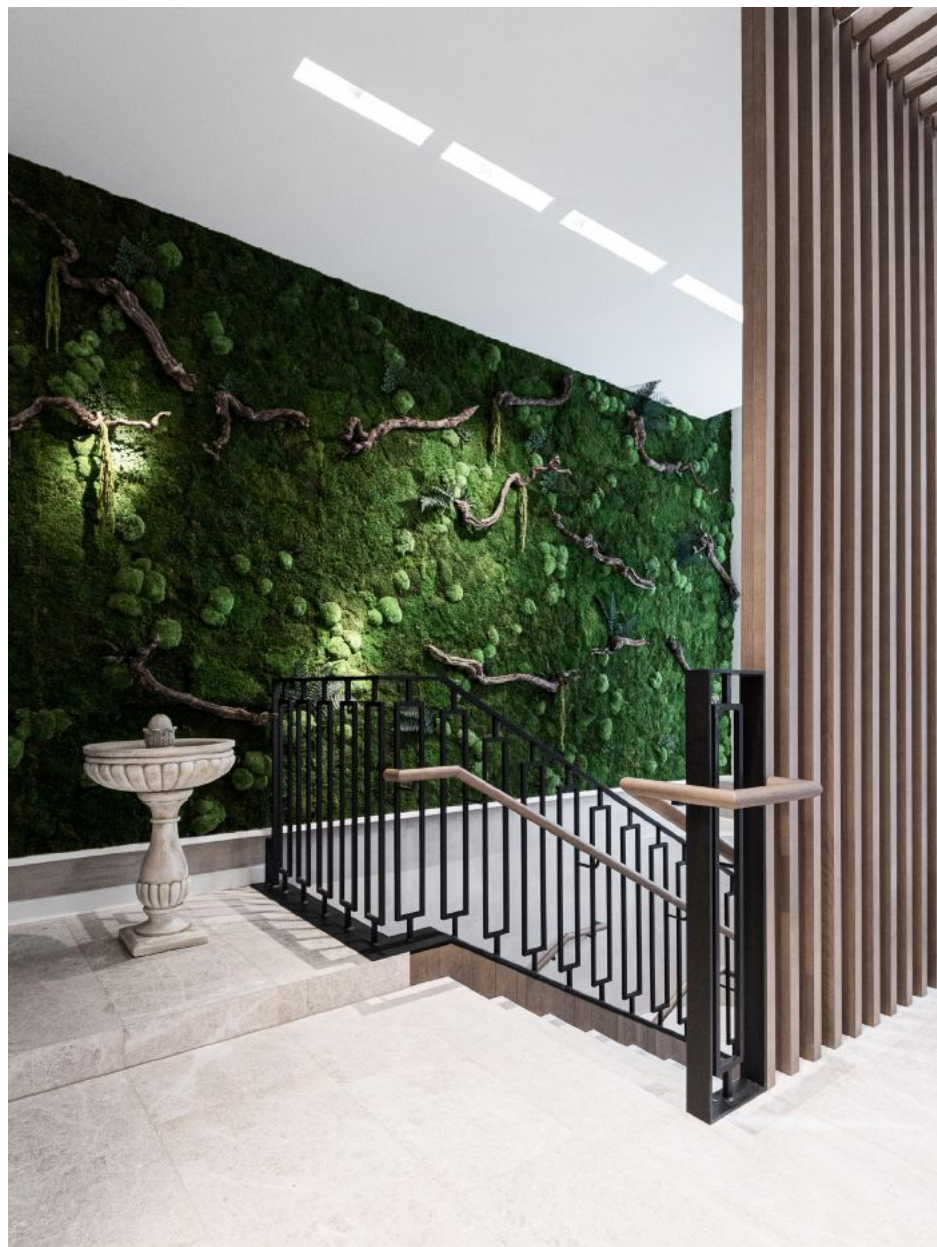
**ES** Máxima flexibilidad e iluminación justo allí donde se necesita: los proyectores CAVO pueden girarse y orientarse fácilmente, pudiendo recolocarse en cualquier momento según las necesidades. Un sistema de imanes permite reubicar cada proyector dentro de la carcasa con total facilidad.



## Glowing effect

**EN** CAVO Glowing is a variant with powerful indirect lighting. Light insets, which are placed inside the box and the housing channel, illuminate from within. This creates subtle, decorative indirect light in the channel, complementing the directional light.

**ES** CAVO Glowing es una variante dotada de una iluminación resplandeciente de gran efecto. Los elementos de luz propios en la caja o en el canal de la carcasa alumbran estas desde el interior. Esto genera una luz indirecta discreta y decorativa en la cavidad que complementa óptimamente la luz orientada.



## Variety

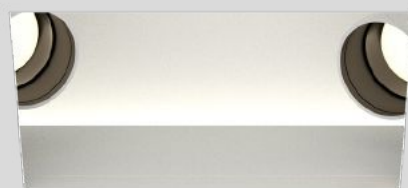
**EN** The individual housing is directly attached to the bare ceiling. As a single luminaire, CAVO has four different recessed housings (round, square, or rectangular in two lengths), which can be arranged with up to six spotlights.

**ES** La caja de montaje individual se fija directamente al techo. Como luminaria individual, CAVO dispone de cuatro cajas empotrables distintas (redonda, cuadrada o rectangular en dos longitudes), que pueden equiparse con hasta seis focos.





← back



## CAVO round/square

recessed

EN Recessed housing made of pressed steel sheet for flush installation in plasterboard ceilings, underside of aluminium-reinforced plaster; alternatively with round or square cut-out; no break-out of edges; 3 cylindrical spotlight heads can be installed without tools by means of magnetic holders; simple electrical connection of the spotlights due to non-reversible plug and play connection; housing and spotlights powder coated; optionally: indirect light component in housing; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; efficient LEDs with very good colour rendering; good glare reduction due to recessed light point plane; high quality lens system; precise radiation characteristic; optical attachments as accessories; hot plug protection

ES Carcasa empotrable de acero para montaje sin borde en techos de escayola, cara inferior de escayola reforzada de alum.; opcional: con recorte redondo/cuadrado; sin rotura de bordes; 3 cabezales de foco cilíndrico insert. sin herramientas con soporte magnético; conex. eléct. sencilla de los focos por plug & play y protegida de la polarización inversa; carcasa y foco con recubr. de polvo; opcional: componente de luz indir. en carcasa; Chip on Board para máx. eficiencia; sin sombras múltiples; LEDs eficientes con muy buena reproduc. cromática; buena prevención del deslumbramiento por plano de punto de luz retranqueado; óptica de alta calidad; proyección precisa; elementos ópticos accesorios; protec. de conexión en caliente

### Quickinfo

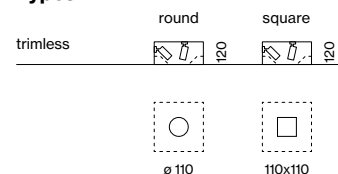
2700 K, 3000 K  
CRI ≥ 90, 2 SDCM  
DALI-2

L80 @ 50 000 h  
mounting housing with glowing

L90 @ 50 000 h  
JUST 45 up to 69lm/W

L95 @ 50 000 h  
JUST 32 focus up to 3x54 lm/W

### Types



### Housing colours



### Inset colours



### Light distributions



### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5

### CONTROL

DALI-2

### INSET COLOUR

<input type="radio"/> traffic white RAL 9016	7
<input checked="" type="radio"/> jet black RAL 9005	8
<input type="radio"/> gold dust RAL 260-M	9

### HOUSING COLOUR

<input type="radio"/> traffic white RAL 9016	7
<input checked="" type="radio"/> jet black RAL 9005	8

### BEAM ANGLE

medium 23°	M
flood 44°	F

### Options on request

#### OPTICAL ACCESSORIES

elliptical sculpture foil  
snoot  
colour filter (red, blue, green, etc.)  
only for JUST 32 focus



magnetic holders for tool-free mounting

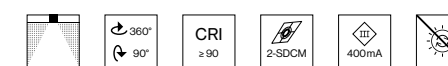


optical accessories

**INSET POWER** is the current consumption excluding any ballast  
**LUMINOUS FLUX** value calculated for 3000 K, CRI ≥ 90, colour white, lens medium 2700 K -5%



### JUST 32 focus 17-43°

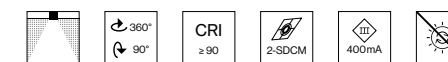


#### SPOTLIGHT

INSET POWER	LUMINOUS FLUX	ORDER CODE
4.6 W	250 lm	0 4 9 - 8 2 1 1 :: 3 ▽

not for single use

### JUST 45



#### SPOTLIGHT

INSET POWER	LUMINOUS FLUX	ORDER CODE
8.8 W	640 lm	0 4 9 - 8 3 0 2 :: 3 ▽

### Mounting accessories

#### MOUNTING HOUSING 1 DALI-2 address

for trimless installation in plasterboard ceilings 8-25 mm

TYPE	L-W-H (mm)	ORDER CODE
round   3 spots (4.5 kg)	260-260-120	0 4 9 - 8 8 0 3 0 3 ▽
square   3 spots (4.5 kg)	260-260-120	0 4 9 - 8 8 1 3 0 3 ▽

incl. power supply 220-240 V AC, 50-60 Hz, PC I, ENEC approved

#### MOUNTING HOUSING WITH GLOWING (3000 K) 2 DALI-2 addresses

for trimless installation in plasterboard ceilings 8-25 mm

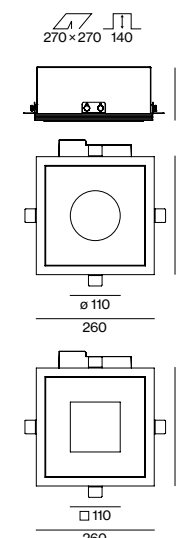
TYPE	L-W-H (mm)	ORDER CODE
round   3 spots (4.5 kg)	260-260-120	0 4 9 - 8 8 2 3 5 3 7
square   3 spots (4.5 kg)	260-260-120	0 4 9 - 8 8 3 3 5 3 7

incl. power supply 220-240 V AC, 50-60 Hz, PC I, ENEC approved

### Optical accessories

#### HONEYCOMB LOUVER

TYPE	Ø-H (mm)	ORDER CODE
JUST 32 focus	30-4	0 0 7 - 1 9 6 5 1 6 8
JUST 45	42-3	0 0 7 - 1 9 6 5 1 8 8





**Freigeist Brauquartier**  
Graz, AT – by FIPE ARCHITECTURE  
with lighting design by Eugen Schöberl





← back



## CAVO linear

recessed

EN Installation housing in pressed steel sheet with rectangular cut-out; for trimless installation in plasterboard ceilings; special edge design with perforations for better adhesion of filler; or with trim; 3 or 6 cylindrical spotlight heads can be installed without tools by means of magnetic holders; simple electrical connection of the spotlights due to non-reversible plug and play connection; housing and spotlights powder coated; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; efficient LEDs with very good colour rendering; good glare reduction due to recessed light point plane; high quality lens system; precise radiation characteristic; optical attachments as accessories; hot plug protection

ES Carcasa empotr. de acero con recorte rectangular; para montaje sin marco en techos de yeso; formación especial de borde con orificios para mejor adherencia de masilla; o con borde alrededor; 3 o 6 cabezales de foco cilíndrico insert. sin herramientas con soporte magnético; conex. eléct. sencilla de focos por plug & play con protecc. de polarización inversa; carcasa y foco con recubr. de polvo; opcional: componente de luz indir. en carcasa; Chip on Board para máx. eficiencia; sin sombras múltiples; LEDs eficientes con muy buena reprod. cromática; buena prevenc. del deslumbram. por plano de punto de luz retranqueado; óptica de alta calidad; proyección precisa; elementos ópticos accesorios; protec. de conexión en caliente

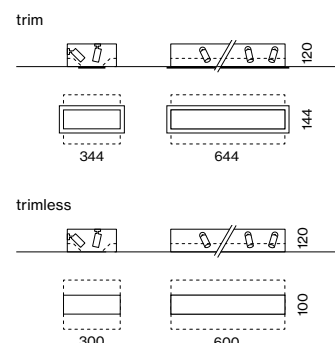
### Quickinfo

2700 K, 3000 K  
CRI ≥ 90, 2 SDCM  
DALI-2

L90 @ 50 000 h  
JUST 45 up to 6×69 lm/W

L95 @ 50 000 h  
JUST 32 focus up to 6×54 lm/W

### Types



### Housing colours



### Inset colours



### Light distributions



### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5

### CONTROL

DALI-2

### INSET COLOUR

○ traffic white RAL 9016	7
● jet black RAL 9005	8
● gold dust RAL 260-M	9

### HOUSING COLOUR

○ traffic white RAL 9016	7
● jet black RAL 9005	8

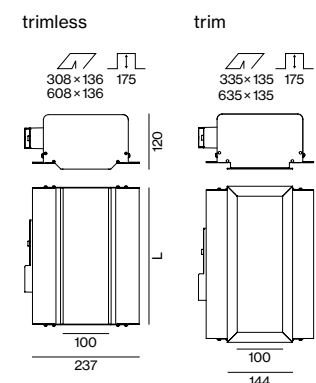
### BEAM ANGLE

medium 23°	M
flood 44°	F

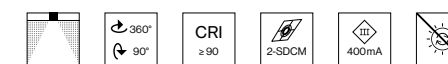
### Options on request

#### OPTICAL ACCESSORIES

elliptical sculpture foil  
snoot  
colour filter (red, blue, green, etc.)  
only for JUST 32 focus



### JUST 32 focus 17-43°



#### SPOTLIGHT

INSET POWER	LUMINOUS FLUX	ORDER CODE
4.6 W	250 lm	049-821133

not for single use

### JUST 45



#### SPOTLIGHT

INSET POWER	LUMINOUS FLUX	ORDER CODE
8.8 W	640 lm	049-830233

### Mounting accessories

#### TRIMLESS MOUNTING HOUSING

for trimless installation in plasterboard ceilings 12.5 mm

TYPE	L-W-H (mm)	ORDER CODE
for 3 spots (▲ 2.4 kg), 1 DALI	308-252-120	049-884303
for 6 spots (▲ 3.6 kg), 2 DALI	608-269-120	049-884603

incl. power supply 220-240 V AC, 50-60 Hz, PC I, ENEC approved

#### MOUNTING HOUSING WITH TRIM

for intermediate ceilings 12.5 mm

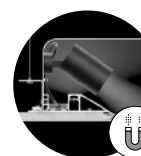
TYPE	L-W-H (mm)	ORDER CODE
for 3 spots (▲ 2.7 kg), 1 DALI	344-254-120	049-885303
for 6 spots (▲ 4.7 kg), 2 DALI	644-271-120	049-885603

incl. power supply 220-240 V AC, 50-60 Hz, PC I, ENEC approved

### Optical accessories

#### HONEYCOMB LOUVER

TYPE	Ø-H (mm)	ORDER CODE
JUST 32 focus	30-4	007-1965168
JUST 45	42-3	007-1965188



magnetic holders for tool-free mounting



optical accessories

INSET POWER is the current consumption excluding any ballast  
LUMINOUS FLUX value calculated for 3000 K, CRI ≥ 90, colour white, lens medium 2700 K -5%

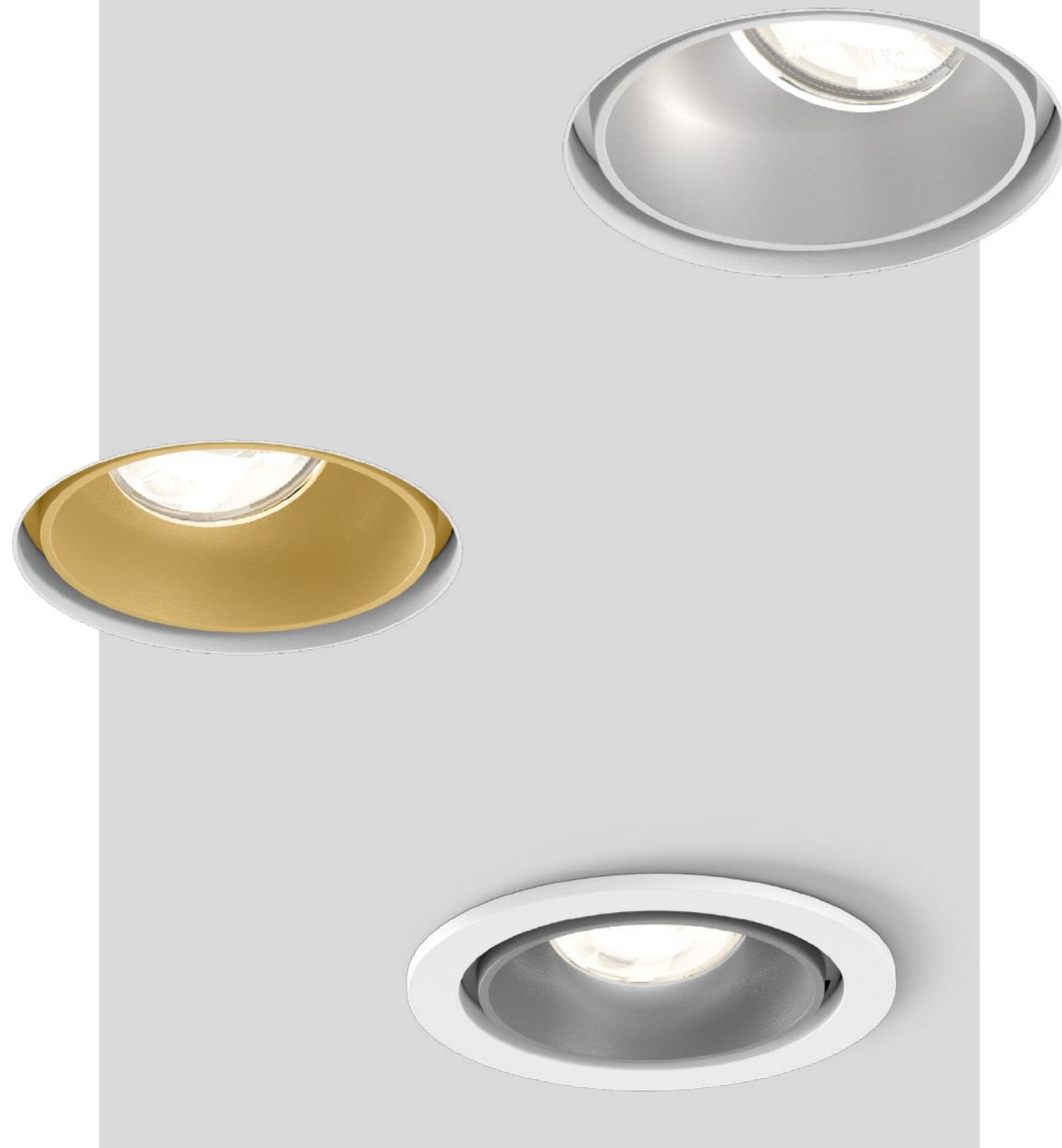


**Boutique Frame** Moscow, RU –  
by Architectural Group Method with  
lighting design by KA2 Light Architecture





# Combine with your design

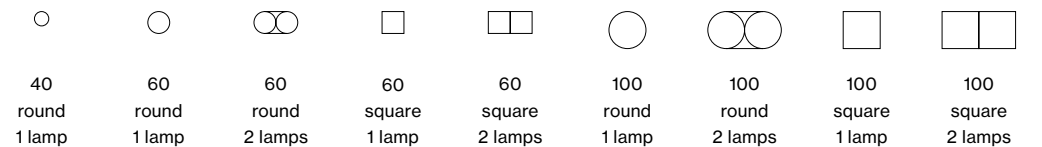


## SASSO

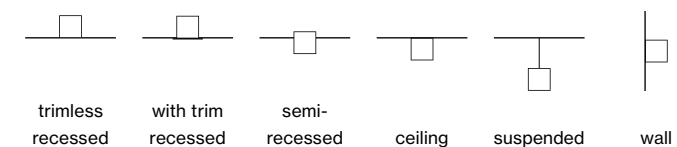
**EN** SASSO is a glamorous lighting solution for extravagant interior concepts regardless of how it is used. The versatile spotlight series is available as a recessed, semi-recessed, ceiling- or wall-mounted, or suspended version. Choose between round or square versions, as well as single or double-lamp spotlights in some versions. To ensure the spot fits harmoniously into the overall design, it is available in many colours. The housing colours white, black, and silver can be optimally combined with a selection of differently coloured insets. SASSO is available with different light distribution characteristics – either as spotlight, downlight, wallwasher, or wallwasher floor. In addition, sensors or emergency insets are optionally available. The series is characterised by an excellent colour rendering up to  $\text{CRI} \geq 95$  (2-SDCM) in all light colours: 2700K, 3000K, 4000K, or Colour Warm Dimming.

**ES** Sea cual sea a aplicación, SASSO es una atractiva solución lumínica para diseños de interior extraordinarios. Esta heterogénea familia de proyectores está disponible en numerosas variantes, con modelos empotrados, semiempotrados, de techo o de pared. También es posible elegir entre variantes redondas o cuadradas. Para poder integrarse armónicamente en el diseño global, el proyector está disponible en muchos colores, pudiendo combinar la carcasa de color blanco, negro, plata u oro con una gama de reflectores en colores diversos. Gracias a su óptica de lente de extremada calidad, SASSO es capaz de emitir luz con precisión en sus variantes de spot, bañador de pared o pared / suelo. En todas las temperaturas de color –2700K, 3000K o 4000K o Colour Warm Dimming–, esta serie se caracteriza por una excelente reproducción cromática con un índice  $\text{CRI} \geq 90$ .

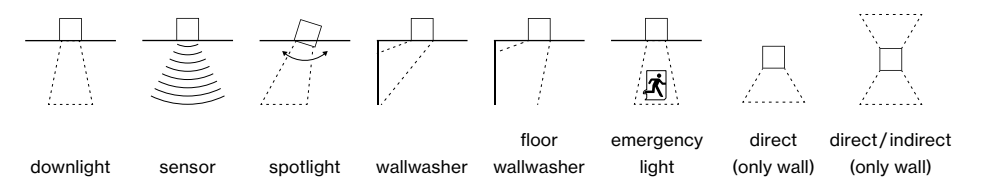
### Types



### Mountings



### Light distributions

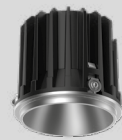




# SASSO recessed

## Light engines

**SASSO 40**  
round  
adjustable/  
downlight



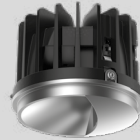
**SASSO 40**  
round  
wallwasher /  
wallwasher floor



**SASSO 60**  
round  
adjustable/  
downlight



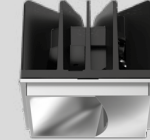
**SASSO 60**  
round  
wallwasher /  
wallwasher floor



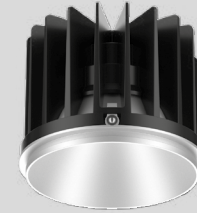
**SASSO 60**  
square  
downlight



**SASSO 60**  
square  
wallwasher /  
wallwasher floor



**SASSO 100**  
round  
adjustable/  
downlight



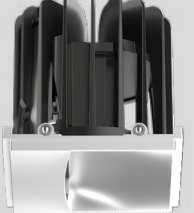
**SASSO 100**  
round  
wallwasher /  
wallwasher floor



**SASSO 100**  
square  
adjustable/  
downlight



**SASSO 100**  
square  
wallwasher /  
wallwasher floor



**INSET POWER**  
**LUMINOUS EFFICACY**  
**LUMINOUS FLUX**  
**COLOUR TEMPERATURE**  
**BEAM ANGLE**  
**IP RATING**

7.4W  
up to 84lm/W  
up to 624lm  
2700, 3000, 4000K  
14°, 27°, 45°  
‡ IP40 / † IP20 (adj.)  
‡ IP44 / † IP20 (dl.)

6.8W  
up to 97lm/W  
up to 659lm  
2700, 3000, 4000K  
asymmetric  
IP20

10.7W  
up to 107lm/W  
up to 1150lm  
2700,3000,4000K,CWD  
15°, 21°, 42°  
‡ IP40 / † IP20 (adj.)  
‡ IP44 / † IP20 (dl.)

8.2W  
up to 89lm/W  
up to 726lm  
2700, 3000, 4000K  
asymmetric  
IP20

10.7W  
up to 110lm/W  
up to 1180lm  
2700,3000,4000K,CWD  
15°, 21°, 42°  
‡ IP44 / † IP20

matt silver, white,  
black, gold

8.2W  
up to 89lm/W  
up to 726lm  
2700, 3000, 4000K  
asymmetric  
IP20

matt silver, white,  
black, gold

17.2W, 25W  
up to 116lm/W  
up to 2630lm  
2700, 3000, 4000K  
19°, 34°, 45°, 65°  
‡ IP40 / † IP20 (adj.)  
‡ IP44 / † IP20 (dl.)

matt silver, white,  
black, gold

25W, 23.4W  
up to 120lm/W  
up to 2810lm  
2700, 3000, 4000K  
asymmetric  
IP20

matt silver, white,  
black, gold

17.2W, 25W  
up to 116lm/W  
up to 2640lm  
2700, 3000, 4000K  
19°, 34°, 45°, 65°  
‡ IP40 / † IP20 (adj.)  
‡ IP44 / † IP20 (dl.)

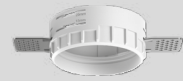
matt silver, white,  
black, gold

25W, 23.4W  
up to 120lm/W  
up to 2810lm  
2700, 3000, 4000K  
asymmetric  
IP20

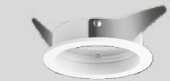
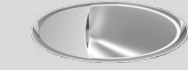
matt silver, white,  
black, gold

**MATERIAL COLOUR**

## Mounting accessories



**round trimless**  
for plasterboard ceilings 12.5/15/25 mm



**round with trim | 1 lamp**  
for intermediate ceilings 2-25 mm



**round with trim | 2 lamps**  
for intermediate ceilings 2-25 mm



**square trimless**  
for plasterboard ceilings 12.5/15/25 mm



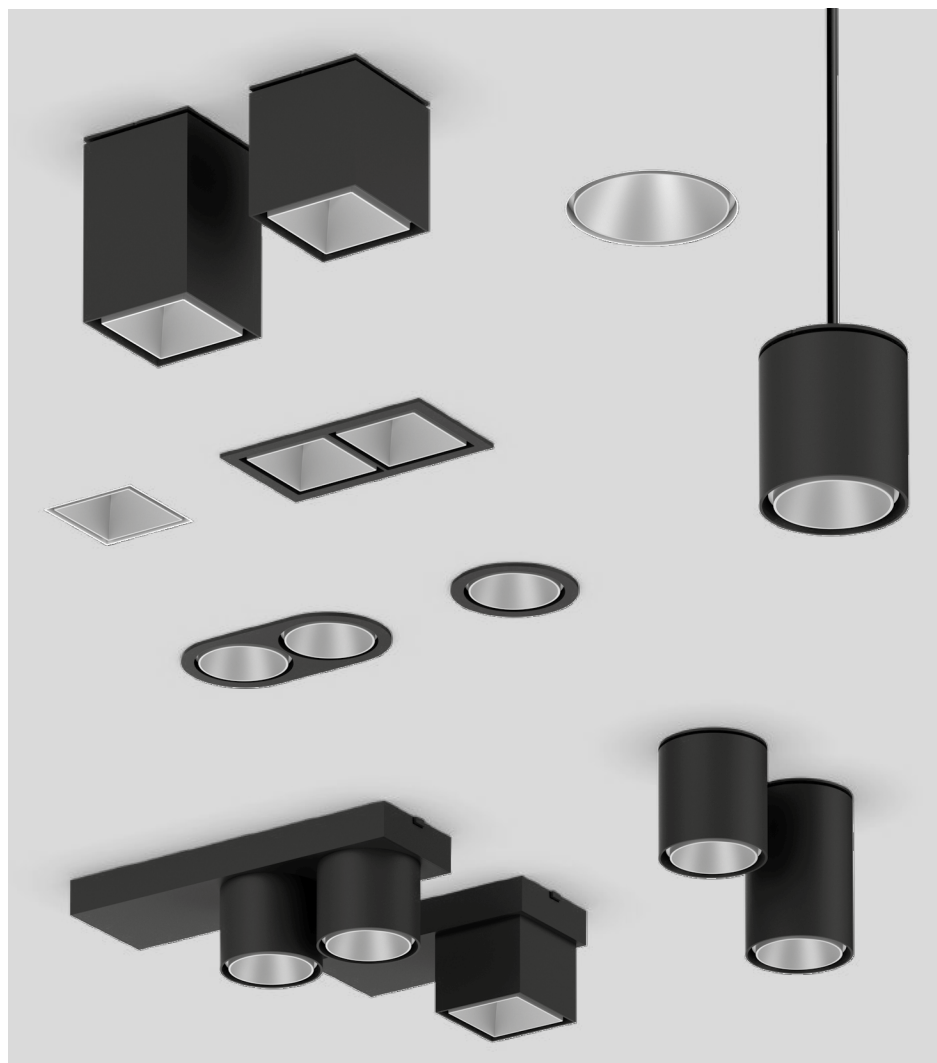
**square with trim | 1 lamp**  
for intermediate ceilings 2-25 mm



**square with trim | 2 lamps**  
for intermediate ceilings 2-25 mm







## Variety

**EN** SASSO can be integrated into any lighting design concept. The spotlights are available as recessed, semi-recessed, wall and ceiling mounted variants, as single or dual-lamp spotlights in an elegant base, or as suspended versions. Depending on the interior design, choose between round or square luminaires and the recessed set with or without trim.

**ES** SASSO se integra en cualquier concepto lumínico. Los focos están disponibles en modelos empotrables, semiempotrables, de pared o de techo en variante individual o doble y de suspensión. Dependiendo del diseño de la sala, tiene la posibilidad de elegir entre la forma redonda o cuadrada con o sin marco.

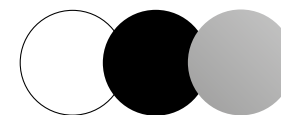
## Colour variety

**EN** SASSO is available in many different colour variations to complement custom designs and colour concepts. The select housing colours (white, black, and silver) combine beautifully with silver, white, black, or gold insets, delivering a harmonious, high-quality overall design.

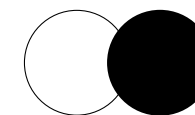
**ES** SASSO está disponible en numerosas variantes de color distintas para adaptarse a diseños y planteamientos cromáticos individuales. Los colores de la carcasa (blanco, negro y plata) pueden combinarse a la perfección con detalles en plata, blanco, negro, dorado o cobre, dando como resultado un conjunto armónico y de alta calidad.



### Housing colours



SASSO 60/100 recessed



SASSO 40 recessed  
SASSO 60/100 semi-recessed/  
ceiling / suspended / wall

### Inset colours



## Precise light adjustment

**EN** A patented swivel mechanism offers the highest possible flexibility. The spotlight can be rotated through 360° and swivelled up to 30° around the horizontal axis. This enables light to be directed precisely where it is needed.

**ES** Un mecanismo de orientación patentado ofrece la máxima flexibilidad. El proyector no solo gira 360°, sino también es capaz de inclinarse hasta 30° en el eje horizontal. Esto permite dirigir la luz con precisión allí donde se desee.



## Low recess depth

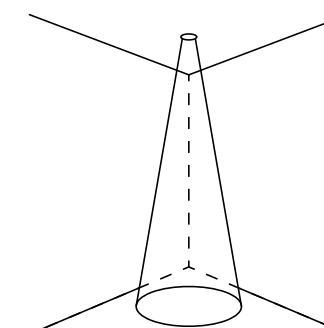
**EN** SASSO 40 complements XAL's SASSO product family with a small, flexible spotlight that is particularly impressive due to its low height. This makes it an ideal lighting solution for ceiling constructions with an unusually low installation depth.

**ES** SASSO 40 amplía la familia SASSO de XAL con un proyector pequeño y flexible que se distingue sobre todo por su reducido tamaño. Esto lo convierte en una solución de iluminación óptima para estructuras de techo con una profundidad de montaje muy pequeña.

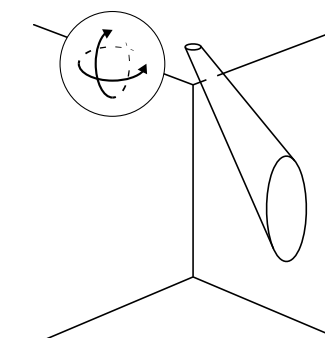
## Light distributions

**EN** SASSO has four optics and thus fulfils all the fundamental functions of your lighting concept. Vertical lighting is provided by downlights with different beam angles; wallwasher and wall-floor optics provide extensive wall and floor illumination; the adjustable spotlight sets accents. If the functional area changes, the optics in the luminaire housing can be simply replaced without tools.

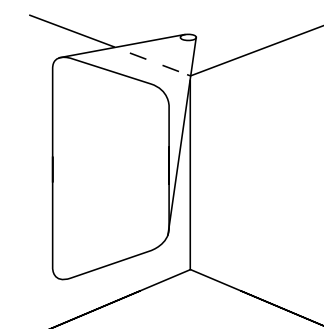
**ES** SASSO cuenta con cuatro ópticas y cumple todas las funciones básicas de cualquier esquema de iluminación. La iluminación vertical es ofrecida por downlights dotados de diversos ángulos de apertura, mientras que las ópticas Wallwasher y Wall-Floor garantizan un alumbrado extenso de paredes y suelos y el proyector direccional proporciona acentos elegantes. Si el rango de funciones cambia, la óptica puede sustituirse fácilmente y sin herramientas en la carcasa de la luminaria.



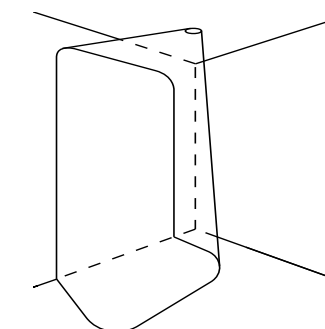
SASSO 60 downlight



SASSO 60 adjustable

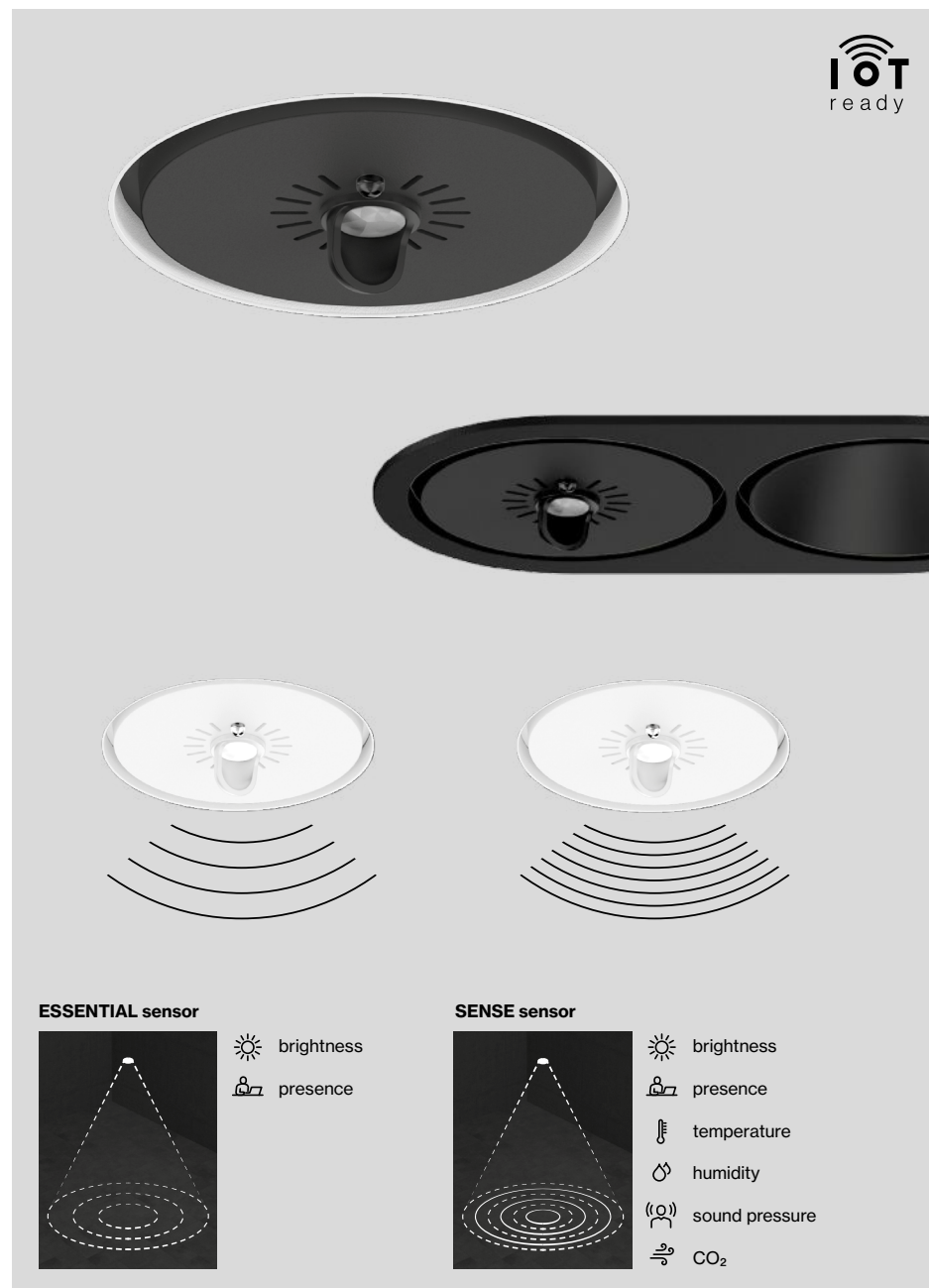


SASSO 60 wallwasher



SASSO 60 wallwasher floor





## Smart lighting

**EN** Special sensors expand the SASSO round recessed product family with smart lighting control and collection of insightful data. The ESSENTIAL sensor enables dynamic adjustment of the lighting to ambient brightness and room activity. The SENSE version also measures values such as temperature, air quality, humidity and noise level. These data not only provide important insights into the ambient conditions and use of rooms, but also support energy savings in the long term.

**ES** Los sensores especiales amplían la familia de productos SASSO redondos y empotrados con un control inteligente de la iluminación y la recogida de datos. El sensor ESSENTIAL permite adaptar la luz dinámicamente a la luminosidad del entorno y a la actividad de la sala. La variante SENSE también mide valores como la temperatura, la calidad y humedad del aire y el nivel de ruido. Estos datos no solo ofrecen información importante sobre las condiciones ambientales y el uso de las salas, sino también fomentan el ahorro energético.

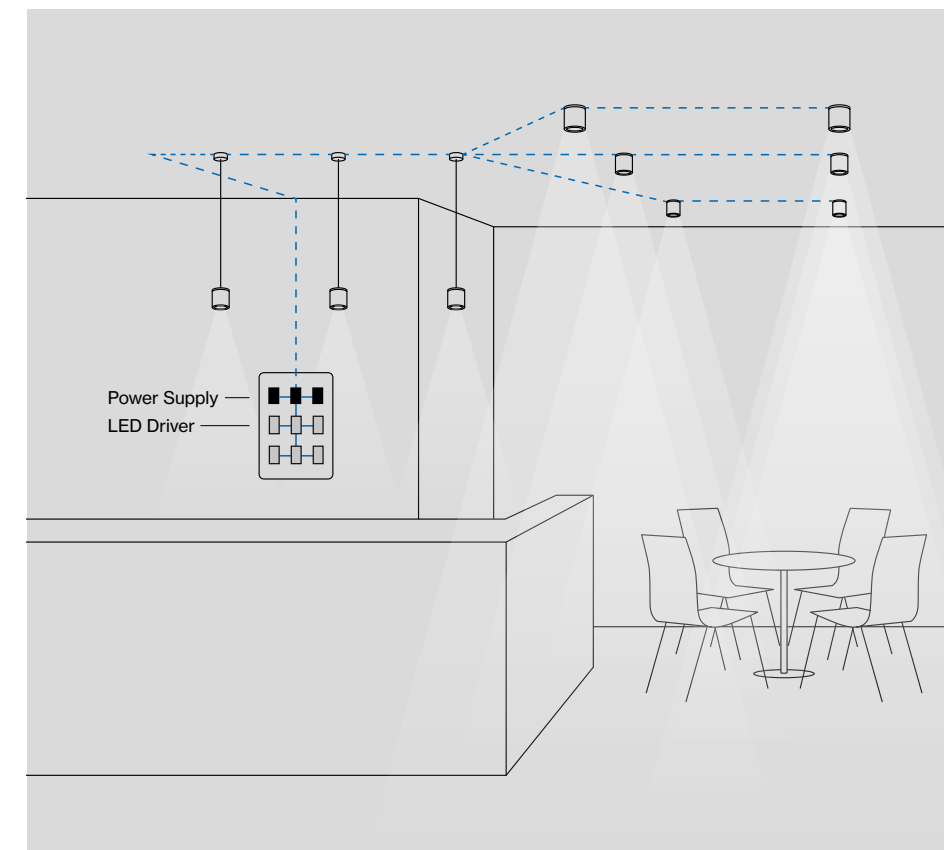
## DIN Rail (DALI)

**EN** The DIN Rail driver centralises the power supply of several spotlights. This simplifies both the installation and maintenance of a lighting system: drivers no longer have to be installed in false ceilings, but are located collectively in a control cabinet.

More information on page 981.

**ES** El convertidor DIN Rail centraliza la entrada de corriente de varios focos. Esto simplifica tanto la instalación como el mantenimiento de un sistema de iluminación, puesto que los convertidores no deben encastrarse en falsos techos, sino que se encuentran agrupados en un armario eléctrico.

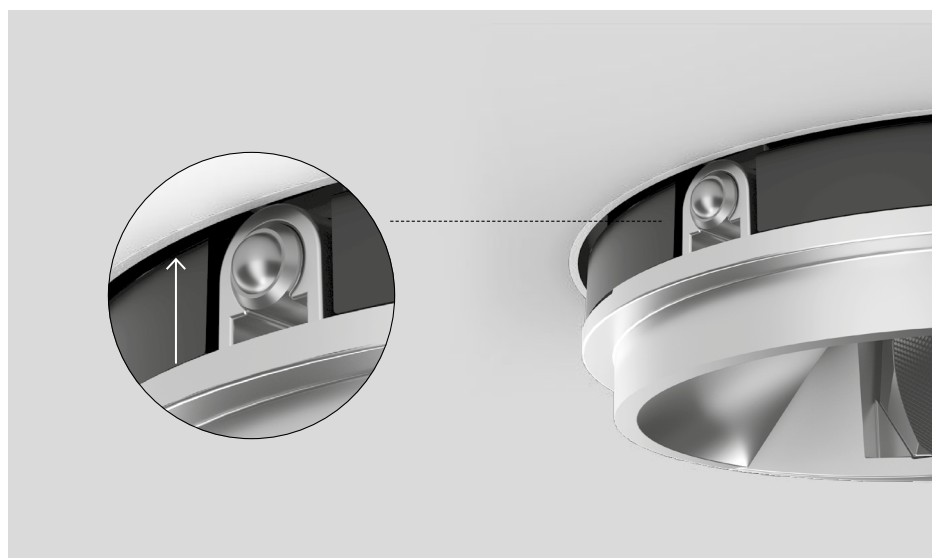
Más información en la página 981



## Ball catch system

**EN** SASSO spots are easy to replace. Assembly is quick and entirely without tools, thanks to a ball catch system. The lighting thus always adapts flexibly to new requirements and circumstances.

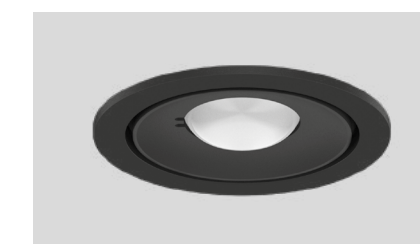
**ES** Los spots SASSO pueden desmontarse fácilmente: es rápido y sin herramientas gracias a un sistema de cierre a presión. Esto hace que la iluminación pueda adaptarse siempre a los nuevos requisitos y circunstancias con total flexibilidad.



## CWD – Colour Warm Dimming

**EN** Warm light quality with reduced illuminance. Colour Warm Dimming reduces the light intensity while continuously changing the colour temperature between 3000K and 1800K. The function supports, for example, the change between cosy restaurant lighting during the day and a relaxing lighting mood in the evening.

**ES** Luz cálida combinada con una intensidad luminosa reducida: Colour Warm Dimming reduce la intensidad de la luz a la vez que regula la temperatura de color sin etapas entre 3000K y 1800K. Esta función hace posible, entre otras cosas, cambiar entre una iluminación acogedora de restaurante durante el día y un ambiente luminoso relajante por la noche.



## Emergency light

**EN** The round emergency light inset can be easily added to a lighting system without tools. The battery life is three hours – that's how long the inset can be disconnected from the power supply. It is available in three versions: BASIC provides for functional checking at the push of a button, SELF-TEST indicates functionality by means of a status LED, and in the PRO variant the status can be called up via DALI.

**ES** El accesorio redondo de luz de emergencia puede añadirse a un sistema de iluminación fácilmente sin necesidad de herramientas. La duración de la batería es de tres horas, lo que corresponde al tiempo que puede mantenerse desconectado del suministro eléctrico. Está disponible en tres variantes: BASIC establece la comprobación de estado pulsando un botón, SELF-TEST indica el funcionamiento mediante un LED de estado y la variante Pro permite consultar el estado a través de DALI.



← back



## SASSO 40 round

recessed



**EN** Round recessed spotlight; installation without tools in mounting set (trimless or with trim) with ball catch system; surface lacquered; installation possible in different housings; choice of adjustable / fixed symmetric or asymmetric radiation characteristic; variants with symmetric radiation characteristic: precise radiation characteristic due to high quality lens system; variants with asymmetric radiation characteristic: high-quality reflector with micro-faceted, aluminum-vaporised surface; COB (Chip on Board) technology for maximum efficiency (ADJUSTABLE and DOWNLIGHT); no multiple shadows; efficient LEDs with very good colour rendering

**ES** Proyector empotrable redondo; instalación sin herramientas mediante kit de montaje (con o sin marco) con sistema inserción de bola; superficie lacada; posibilidad de instalar distintas carcasas; elección de la característica de radiación; ajustable o fija simétrica o asimétrica; variantes de radiación simétrica: proyección precisa con óptica de lente de alta calidad; variantes con emisión asimétrica: reflector de alta calidad con superficie de múltiples facetas revestida con aluminio por vaporización; Chip on Board que proporciona una máxima eficiencia (ADJUSTABLE y DOWNLIGHT); no sombras múltiples; LEDs de eficiencia que proporcionan una alta reproducción cromática

### Quickinfo

2700 K, 3000 K, 4000 K  
CRI ≥ 90, 2 SDCM  
up to 97 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2  
↓ IP 44 / ↑ IP 20

### Types

trim    
ø 44-51

trimless    
ø 48

### Housing colours



### Inset colours



### Light distributions



### Order options

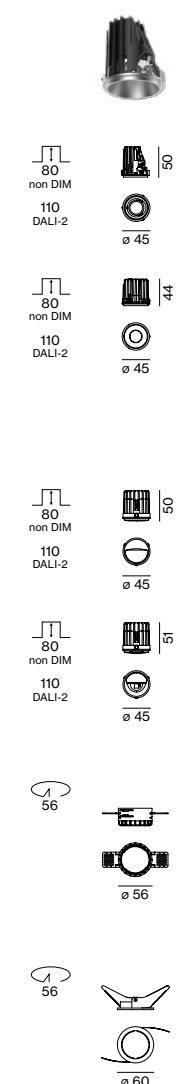
COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

INSET COLOUR	
○ traffic white RAL 9016 (UGR ≤ 22)	7
● matt silver (UGR ≤ 19)	4
● jet black RAL 9005 (UGR ≤ 16)	1
● gold dust RAL 260-M (UGR ≤ 19)	9

BEAM ANGLE	
spot 14°	S
medium 27°	M
flood 45°	F

### Options on request

POWER SUPPLY  
DIM 1–10 V



### SASSO 40 round



#### ADJUSTABLE (↓ IP 40 / ↑ IP 20)

INSET POWER	LUMINOUS FLUX	ORDER CODE
7.4 W 36 Vf 200 mA	624 lm	0 4 8 - 2 8 2 0 :: 1 ▣ ▲

#### DOWNLIGHT (↑ IP 44 / ↓ IP 20)

INSET POWER	LUMINOUS FLUX	ORDER CODE
7.4 W 36 Vf 200 mA	624 lm	0 4 8 - 2 8 0 0 :: 1 ▣ ▲



#### WALLWASHER (IP 20)

INSET POWER	LUMINOUS FLUX	ORDER CODE
6.8 W 27 Vf 250 mA	605 lm	0 4 8 - 2 8 4 0 :: 1 ▣ ▲

#### WALLWASHER / FLOOR (IP 20)

INSET POWER	LUMINOUS FLUX	ORDER CODE
6.8 W 27 Vf 250 mA	659 lm	0 4 8 - 2 8 4 0 :: 1 ▣ ▲

### Mounting accessories


TRIMLESS MOUNTING SET for plasterboard ceilings 12.5/15/25 mm

COLOUR	ORDER CODE
○ traffic white RAL9016	0 4 8 - 2 8 9 6 1 1 7

MOUNTING SET WITH TRIM for intermediate ceilings 2–25 mm

COLOUR	ORDER CODE
○ traffic white RAL9016	0 4 8 - 2 8 9 6 3 1 7
● jet black RAL 9005	0 4 8 - 2 8 9 6 3 1 8

### Electrical accessories

POWER SUPPLY 220-240 V AC, 50-60 Hz,  PC II

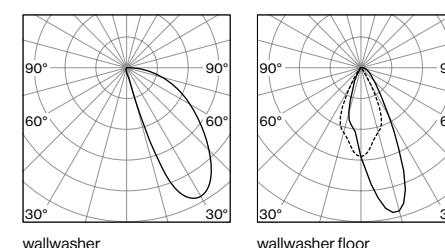
TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
200 mA   non DIM	η 80 %	65-39-20	0 0 2 - 9 0 7 4 4
200 mA   DALI-2	η 82 %	147-33-23	0 0 2 - 9 0 7 4 5
250 mA   non DIM	η 80 %	65-39-20	0 0 2 - 9 0 7 4 2
250 mA   DALI-2	η 82 %	147-33-23	0 0 2 - 9 0 7 4 3

### DIN RAIL COMPONENTS

TYPE	W-H-D (mm)	ORDER CODE
POWER SUPPLY 220-240 V AC 96 W   48 V DC constant voltage	90-90-60	0 0 5 - 6 5 2 0 2 1 0
LED DRIVER DALI-2 DT6 1-2 addr. 200–1050 mA settable const. current 2 × 42 W   48 V DC   U <sub>OUT</sub> 10–40 V	36-88-59	0 0 5 - 6 1 2 1 0 3 0

for more details and components see page 981

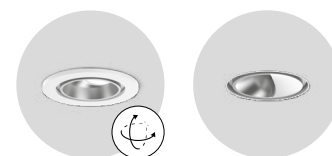
### Light distributions



wallwasher

wallwasher floor

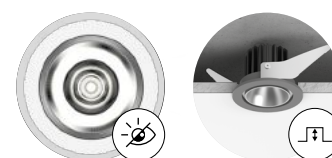
**INSET POWER** is the current consumption excluding any ballast  
**LUMINOUS FLUX** value calculated for 3000 K, CRI ≥ 90, colour white, flood 2700 K -5%, 4000 K +5%



rotatable 360°,  
tiltable 30°



wallwasher and  
ww floor inset



glare control  
(UGR ≤ 16)



60 mm recess  
depth (DIN rail)





Private Residence  
Kreta, GR - by ROOMS GmbH





← back



## SASSO 60 round

recessed




**EN** Round recessed spotlight; installation without tools in mounting set (trimless or with trim) with ball catch system; surface lacquered; installation possible in different housings; choice of adjustable / fixed symmetric or asymmetric radiation characteristic; variants with symmetric radiation characteristic: precise radiation characteristic due to high quality lens system; variants with asymmetric radiation characteristic: high-quality reflector with micro-faceted, aluminum-vaporised surface; COB (Chip on Board) technology for maximum efficiency (ADJUSTABLE and DOWNLIGHT); no multiple shadows; efficient LEDs with very good colour rendering

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### Quickinfo

2700 K, 3000 K, 4000 K, CWD  
CRI ≥ 90, 2 SDCM  
up to 107 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2  
↓ IP 44 / ↑ IP 20

### Types

trim		48
	ø 80	
trimless		48
	ø 63	
double trim		48
	147x80	

### Housing colours



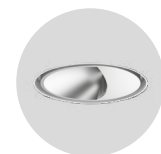
### Inset colours



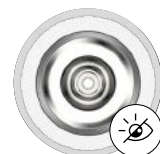
### Light distributions



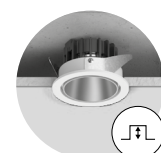
rotatable 360°,  
tiltable 30°



wallwasher and  
ww floor inset



glare control  
(UGR ≤ 16)



60 mm  
recess depth



CWD  
1800–3000 K

### Order options

<b>COLOUR TEMPERATURE</b>	☼☼
2700 K	4
3000 K	5
4000 K	6
CWD 1800–3000 K*	

\*only for DALI-2

### INSET COLOUR

○ traffic white RAL 9016 (UGR ≤ 22)	7
● matt silver (UGR ≤ 19)	4
● jet black RAL 9005 (UGR ≤ 16)	1
● gold dust RAL 260-M (UGR ≤ 19)	9

### BEAM ANGLE

spot 15°	S
medium 21°	M
flood 42°	F

### Options on request

#### COLOR RENDERING INDEX

CRI ≥ 95, 2 SDCM

#### CONTROL

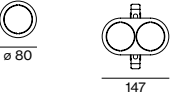
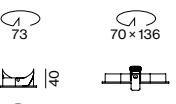
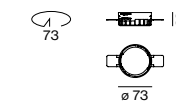
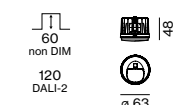
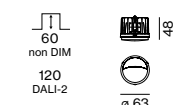
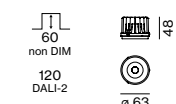
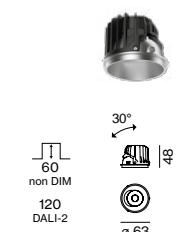
Casambi

#### MOUNTING SET

acoustic soft ceilings

#### POWER SUPPLY

DIM 1–10 V



### SASSO 60 round



#### ADJUSTABLE (↓ IP 40 / ↑ IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
10.7 W 36 Vf 300 mA	1040 lm	0 4 8 - 2 6 2 2 :: 1 ▣ ▴
10.4 W 35 Vf 300 mA	CWD 949 lm	0 4 8 - 2 6 2 2 E 1 ▣ ▴

#### DOWNLIGHT (↓ IP 44 / ↑ IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
10.7 W 36 Vf 300 mA	1070 lm	0 4 8 - 2 6 0 2 :: 1 ▣ ▴
10.4 W 35 Vf 300 mA	CWD 949 lm	0 4 8 - 2 6 0 2 E 1 ▣ ▴



#### WALLWASHER (IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
8.2 W 27 Vf 300 mA	635 lm	0 4 8 - 2 6 4 1 :: 1 ▣ ▴

#### WALLWASHER/FLOOR (IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
8.2 W 27 Vf 300 mA	633 lm	0 4 8 - 2 6 4 1 :: 1 ▣ ▴

### Mounting accessories

TRIMLESS MOUNTING SET for plasterboard ceilings 12.5/15/25 mm

<b>COLOUR</b>	<b>ORDER CODE</b>
○ traffic white RAL9016	0 4 8 - 2 6 9 6 1 1 7

MOUNTING SET WITH TRIM for intermediate ceilings 2–25 mm

<b>TYPE</b>	<b>COLOUR</b>	<b>ORDER CODE</b>
1 lamp	● white aluminium RAL 9006	0 4 8 - 2 6 9 6 3 1 G
	○ traffic white RAL9016	0 4 8 - 2 6 9 6 3 1 7
	● jet black RAL 9005	0 4 8 - 2 6 9 6 3 1 8
2 lamps	● white aluminium RAL 9006	0 4 8 - 2 6 9 8 3 1 G
	○ traffic white RAL9016	0 4 8 - 2 6 9 8 3 1 7
	● jet black RAL 9005	0 4 8 - 2 6 9 8 3 1 8

#### CONCRETE MOUNTING HOUSING

<b>COLOUR</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
exposed concrete ceilings	230-230-162	0 4 8 - 2 6 9 5 2 1 0
primed concrete ceilings*	614-307-120	0 4 8 - 2 6 9 5 1 1 0

\*order mounting set separately, not applicable for 2 lamps mounting set with trim

### Electrical accessories

POWER SUPPLY 220-240 V AC, 50-60 Hz, □ PC II

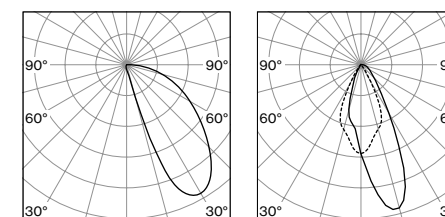
<b>TYPE</b>	<b>EFFICIENCY</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
300 mA   non DIM	η 85 %	85-40-22	0 0 2 - 9 0 7 7 1
300 mA   DALI-2	η 88 %	143-43-30	0 0 2 - 9 0 7 6 2

#### DIN RAIL COMPONENTS

<b>TYPE</b>	<b>W-H-D (mm)</b>	<b>ORDER CODE</b>
POWER SUPPLY 220-240 V AC	90-90-60	0 0 5 - 6 5 2 0 2 1 0
96 W   48 V DC constant voltage		
LED DRIVER DALI-2 DT6 1–2 addr.	36-88-59	0 0 5 - 6 1 2 1 0 3 0
200–1050 mA settable const. current		
2 × 42 W   48 V DC   U <sub>OUT</sub> 10–40 V		

for more details and components see page 981

### Light distributions



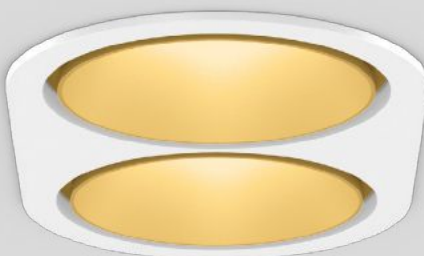
wallwasher

wallwasher floor

**INSET POWER** is the current consumption excluding any ballast  
**LUMINOUS FLUX** value calculated for 3000 K, CRI ≥ 90, colour white, flood 2700 K -5%, 4000 K +5%



← back



## SASSO 100 round

recessed

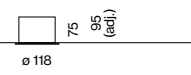
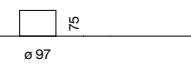
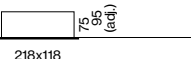
**EN** Round recessed spotlight; installation without tools in mounting set (trimless or with trim) with ball catch system; surface lacquered; installation possible in different housings; choice of adjustable / fixed symmetric or asymmetric radiation characteristic; variants with symmetric radiation characteristic: precise radiation characteristic due to high quality lens system; variants with asymmetric radiation characteristic: high-quality reflector with micro-faceted, aluminum-vaporised surface; COB (Chip on Board) technology for maximum efficiency (ADJUSTABLE and DOWNLIGHT); no multiple shadows; efficient LEDs with very good colour rendering

**ES** Proyector empotrable redondo; instalación sin herramientas mediante kit de montaje (con o sin marco) con sistema inserción de bola; superficie lacada; posibilidad de instalar distintas carcasas; elección de la característica de radiación; ajustable o fija simétrica o asimétrica; variantes de radiación simétrica: proyección precisa con óptica de lente de alta calidad; variantes con emisión asimétrica: reflector de alta calidad con superficie de múltiples facetas revestida con aluminio por vaporización; Chip on Board que proporciona una máxima eficiencia (ADJUSTABLE y DOWNLIGHT); no sombras múltiples; LEDs de eficiencia que proporcionan una alta reproducción cromática

### Quickinfo

2700 K, 3000 K, 4000 K  
CRI ≥ 90, 2 SDCM  
up to 120 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2  
↓ IP 44 / ↑ IP 20

### Types

trim		75 95 (depth) ø 118
trimless		75 ø 97
double trim		75 95 (depth) 218x118

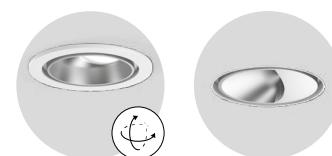
### Housing colours



### Inset colours



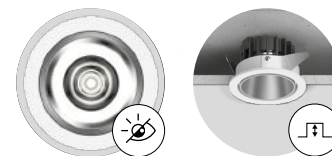
### Light distributions



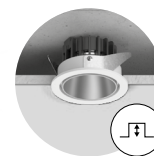
rotatable 360°,  
tiltable 30°



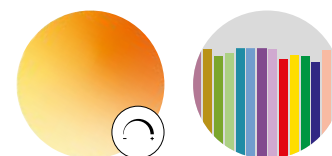
wallwasher and  
ww floor inset



glare control  
(UGR ≤ 16)



80 mm  
recess depth



CWD  
1800-3000 K



CRI ≥ 95  
2 SDCM

### Order options

<b>COLOUR TEMPERATURE</b>	☐☐
2700 K	4
3000 K	5
4000 K	6

<b>INSET COLOUR</b>	☑
○ traffic white RAL 9016 (UGR ≤ 22)	7
● matt silver (UGR ≤ 19)	4
● jet black RAL 9005 (UGR ≤ 16)	1
● gold dust RAL 260-M (UGR ≤ 19)	9

<b>BEAM ANGLE</b>	▲
spot 19°	S
medium 34°	M
flood 45°	F
wide flood 65°	W

### Options on request

**COLOR RENDERING INDEX**  
CRI ≥ 95, 2 SDCM

**COLOUR TEMPERATURE**  
CWD 1800-3000 K  
not for WW & WWF version

### CONTROL

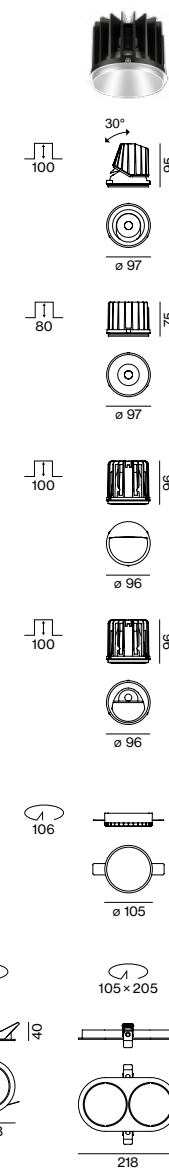
Casambi

### MOUNTING SET

acoustic soft ceilings

### POWER SUPPLY

DIM 1-10 V



### SASSO 100 round



#### ADJUSTABLE (↓ IP 40 / ↑ IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
17.2 W 36 Vf 500 mA	1850 lm	0 4 8 - 2 7 2 0 :: 1 ☑ ▲
25 W 36 Vf 700 mA	2450 lm	0 4 8 - 2 7 2 0 :: 1 ☑ ▲

#### DOWNLIGHT (↓ IP 44 / ↑ IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
17.2 W 36 Vf 500 mA	1830 lm	0 4 8 - 2 7 0 0 :: 1 ☑ ▲
25 W 36 Vf 700 mA	2410 lm	0 4 8 - 2 7 0 0 :: 1 ☑ ▲



#### WALLWASHER (IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
25 W 36 Vf 700 mA	2290 lm	0 4 8 - 2 7 4 0 :: 1 ☑ ▲

#### WALLWASHER/FLOOR (IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
23.4 W 36 Vf 700 mA	2670 lm	0 4 8 - 2 7 4 0 :: 1 ☑ ▲

### Mounting accessories

**TRIMLESS MOUNTING SET** for plasterboard ceilings 12.5/15/25 mm

<b>COLOUR</b>	<b>ORDER CODE</b>
○ traffic white RAL9016	0 4 8 - 2 7 9 6 1 1 7

**MOUNTING SET WITH TRIM** for intermediate ceilings 2-25 mm

<b>TYPE</b>	<b>COLOUR</b>	<b>ORDER CODE</b>
1 lamp	● white aluminium RAL 9006	0 4 8 - 2 7 9 6 3 1 G
	○ traffic white RAL9016	0 4 8 - 2 7 9 6 3 1 7
	● jet black RAL 9005	0 4 8 - 2 7 9 6 3 1 8
2 lamps	● white aluminium RAL 9006	0 4 8 - 2 7 9 8 3 1 G
	○ traffic white RAL9016	0 4 8 - 2 7 9 8 3 1 7
	● jet black RAL 9005	0 4 8 - 2 7 9 8 3 1 8

### CONCRETE MOUNTING HOUSING

<b>COLOUR</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
exposed concrete ceilings	230-230-162	0 4 8 - 2 7 9 5 2 1 0
primed concrete ceilings*	614-307-120	0 4 8 - 2 6 9 5 1 1 0

\*order mounting set separately, not applicable for 2 lamps mounting set with trim

### Electrical accessories

**POWER SUPPLY** 220-240 V AC, 50-60 Hz, ☐ PC II

<b>TYPE</b>	<b>EFFICIENCY</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
500 mA   non DIM	η 88 %	143-43-30	0 0 2 - 9 0 7 7 7
500 mA   DALI-2	η 88 %	143-43-30	0 0 2 - 9 0 7 7 9
700 mA   non DIM	η 80 %	143-43-30	0 0 2 - 9 0 7 7 4
700 mA   DALI-2	η 88 %	143-43-30	0 0 2 - 9 0 7 7 6

### THROUGH WIRING CONNECTION BOX

<b>TYPE</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
non DIM cable ø 4-12 mm	105-58-30	0 0 5 - 2 5 3 1 1 1 0
DALI cable ø 4-12 mm	105-58-30	0 0 5 - 2 5 5 1 1 1 0

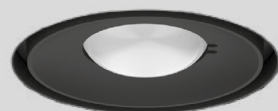
### DIN RAIL COMPONENTS

<b>TYPE</b>	<b>W-H-D (mm)</b>	<b>ORDER CODE</b>
POWER SUPPLY 220-240 V AC 96 W   48 V DC constant voltage	90-90-60	0 0 5 - 6 5 2 0 2 1 0
LED DRIVER DALI-2 DT6 1-2 addr. 200-1050 mA settable const. current 2 × 42 W   48 V DC   U <sub>OUT</sub> 10-40 V	36-88-59	0 0 5 - 6 1 2 1 0 3 0

for more details and components see page 981

**INSET POWER** is the current consumption excluding any ballast  
**LUMINOUS FLUX** value calculated for 3000 K, CRI ≥ 90, colour white, wide flood  
2700 K -5%, 4000 K +5%





## SASSO 60 round sensor/emergency

recessed

**EN** Round inset (Emergency Light or Sensor); installation without tools in mounting set (trimless or with trim) with ball catch system; surface lacquered; installation possible in different housings; LED emergency light inset: 3 variants with different test possibilities - BASIC with test button, SELF-TEST with status LED or PRO DALI-2 with monitoring via DALI; sensor with DALI-2 control: 2 variants - ESSENTIAL with brightness and presence sensor or SENSE with additional temperature, humidity, air quality and noise level measurement

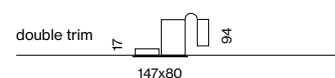
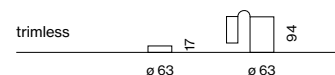
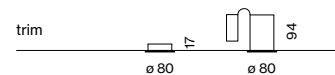
**ES** Inserto redondo (luz emergencia/sensor); instalación sin herramientas mediante kit de montaje (con o sin marco) con sistema inserción de bola; superficie lacada; posibilidad de instalar distintas carcasas; inserto luz de emerg. LED: 3 variantes con difer. opciones de test - BASIC con botón de prueba, SELF-TEST con LED de estado o PRO DALI-2 con superv. a través de DALI; sensor con control DALI-2: 2 variantes - ESSENTIAL con sensor de luminosidad y presencia o SENSE con medición adic. de temperatura, humedad y calidad del aire y nivel de ruido

### Quickinfo

sensor  
ESSENTIAL, SENSE  
DALI-2

emergency light  
6500K  
CRI ≥ 80  
200lm  
L80 @ 50000h  
non maintained

### Types



### Housing colours



### Inset colours



### Sensors



### Order options

#### INSET COLOUR

- traffic white RAL 9016 7
- jet black RAL 9005 1

#### BEAM ANGLE EMERGENCY LIGHT

- spot lens
- escape route lens
- anti panic lens

### Options on request

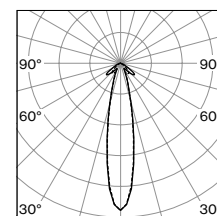
#### MOUNTING SET

acoustic soft ceilings

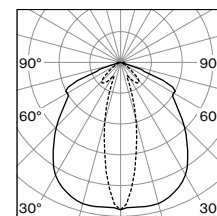
#### INSET COLOUR

grey, gold

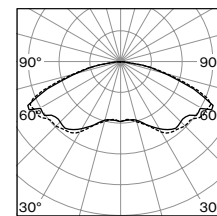
### Light distributions



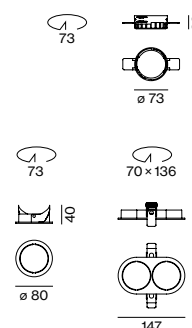
emergency light  
spot lens



emergency light  
escape route lens



emergency light  
anti panic lens



### SASSO 60 sensor round



#### ESSENTIAL SENSOR

**TYPE**  
brightness & presence

**ORDER CODE**  
048-269311



#### SENSE SENSOR

**TYPE**  
brightness, presence, temperature,  
sound pressure, humidity, CO<sub>2</sub>

**ORDER CODE**  
048-269312

### SASSO 60 emergency light round



#### EMERGENCY 3h

**TYPE**  
BASIC | 2W  
SELF-TEST | 2W  
PRO DALI-2 | 2W

**ORDER CODE**  
048-269321  
048-269322  
048-269323

incl. 3 interchangeable lenses

### Electrical accessories

#### ACCUPACK

**TYPE**  
replacement accupack 3h

**ORDER CODE**  
048-2693910

### Mounting accessories

**TRIMLESS MOUNTING SET** for plasterboard ceilings 12.5/15/25mm

**COLOUR**  
 traffic white RAL9016

**ORDER CODE**  
048-2696117

**MOUNTING SET WITH TRIM** for intermediate ceilings 2-25mm

**TYPE**  
1 lamp  
2 lamps

**COLOUR**  
 traffic white RAL9016  
 jet black RAL 9005  
 traffic white RAL9016  
 jet black RAL 9005

**ORDER CODE**  
048-2696317  
048-2696318  
048-2698317  
048-2698318

#### CONCRETE MOUNTING HOUSING

**COLOUR**  
exposed concrete ceilings  
primed concrete ceilings\*

**L-W-H (mm)**  
230-230-162  
614-307-120

**ORDER CODE**  
048-2695210  
048-2695110

\*order mounting set separately, not applicable for 2 lamps mounting set with trim





**Deansgate Square** Manchester, UK –  
by Lister & Lister with lighting design  
by Troup, Bywaters & Anders Lighting



**Deansgate Square** Manchester, UK –  
by Lister & Lister with lighting design  
by Troup, Bywaters & Anders Lighting





**HeidelbergCement AG**  
Heidelberg, DE – by Albert Speer +  
Partner Architekten with lighting  
design by Hailight Lichtplanung,  
Andreas Haidegger



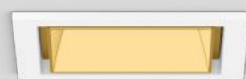
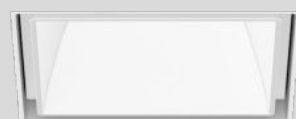




**Oppenländer Rechtsanwälte**  
Stuttgart, DE – by Ippolito Fleitz  
Group GmbH





[← back](#)


## SASSO 60 square

recessed

**EN** Square recessed spotlight; installation without tools in mounting set (trimless or with trim) with ball catch system; surface lacquered; installation possible in different housings; choice of fixed symmetric or asymmetric radiation characteristic; variants with symmetric radiation characteristic: precise radiation characteristic due to high quality lens system; variants with asymmetric radiation characteristic: high-quality reflector with micro-faceted, aluminum-vaporised surface; COB (Chip on Board) technology for maximum efficiency (DOWNLIGHT); no multiple shadows; efficient LEDs with very good colour rendering

**ES** Proyector empotrable cuadrado; instalación sin herramientas mediante kit de montaje (con o sin marco) con sistema inserción de bola; superficie lacada; posibilidad de instalar distintas carcasas; elección de la característica de radiación; fija simétrica o asimétrica; variantes de radiación simétrica: proyección precisa con óptica de lente de alta calidad; variantes con emisión asimétrica: reflector de alta calidad con superficie de múltiples facetas revestida con aluminio por vaporización; Chip on Board que proporciona una máxima eficiencia (DOWNLIGHT); no sombras múltiples; LEDs de eficiencia que proporcionan una alta reproducción cromática

### Quickinfo

2700 K, 3000 K, 4000 K, CWD  
 CRI ≥ 90, 2 SDCM  
 up to 110 lm/W  
 L80 @ 50 000 h  
 non DIM, DALI-2  
 ↓ IP 44 / ↑ IP 20

### Types

trim		48
		80
trimless		48
		63
double trim		48
		147x81

### Housing colours



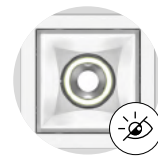
### Inset colours



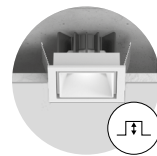
### Light distributions



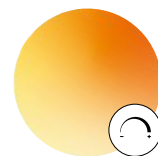
wallwasher and  
ww floor inset



glare control  
(UGR ≤ 16)



60 mm  
recess depth



CWD  
1800–3000 K



CRI ≥ 95  
2 SDCM

### Order options

#### COLOUR TEMPERATURE

2700 K	4
3000 K	5
4000 K	6
CWD 1800–3000 K*	

\*only for DALI-2

#### INSET COLOUR

○ traffic white RAL 9016 (UGR ≤ 22)	7
● matt silver (UGR ≤ 19)	4
● jet black RAL 9005 (UGR ≤ 16)	1
● gold dust RAL 260-M (UGR ≤ 19)	9

#### BEAM ANGLE

spot 15°	S
medium 21°	M
flood 42°	F

### Options on request

#### COLOR RENDERING INDEX

CRI ≥ 95, 2 SDCM

#### CONTROL

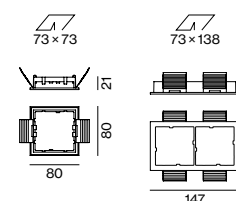
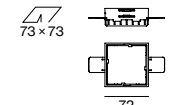
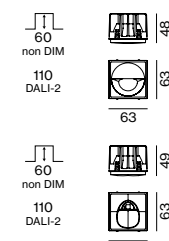
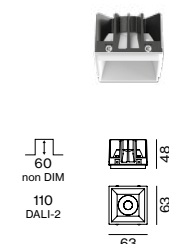
Casambi

#### MOUNTING SET

acoustic soft ceilings

#### POWER SUPPLY

DIM 1–10 V



### SASSO 60 square



#### DOWNLIGHT (↓ IP 44 / ↑ IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
10.7 W 36 Vf 300 mA	1180 lm	0 4 8 - 2 6 1 2 :: 1 ▽ ▲
10.4 W 35 Vf 300 mA	CWD 949 lm	0 4 8 - 2 6 1 2 E 1 ▽ ▲



#### WALLWASHER (IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
8.2 W 27 Vf 300 mA	635 lm	0 4 8 - 2 6 5 1 :: 1 ▽ ▲

#### WALLWASHER/FLOOR (IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
8.2 W 27 Vf 300 mA	633 lm	0 4 8 - 2 6 5 1 :: 1 ▽ ▲ W

### Mounting accessories

#### TRIMLESS MOUNTING SET for plasterboard ceilings 12.5/15/25 mm

<b>COLOUR</b>	<b>ORDER CODE</b>
○ traffic white RAL9016	0 4 8 - 2 6 9 7 1 1 7

#### MOUNTING SET WITH TRIM for intermediate ceilings 2–25 mm

TYPE	COLOUR	ORDER CODE
1 lamp	● white aluminium RAL 9006	0 4 8 - 2 6 9 7 3 1 G
	○ traffic white RAL9016	0 4 8 - 2 6 9 7 3 1 7
2 lamps	● jet black RAL 9005	0 4 8 - 2 6 9 7 3 1 8
	● white aluminium RAL 9006	0 4 8 - 2 6 9 9 3 1 G
	○ traffic white RAL9016	0 4 8 - 2 6 9 9 3 1 7
	● jet black RAL 9005	0 4 8 - 2 6 9 9 3 1 8

### CONCRETE MOUNTING HOUSING

<b>COLOUR</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
primed concrete ceilings*	614-307-120	0 4 8 - 2 6 9 5 1 1 0

\*order mounting set separately, not applicable for 2 lamps mounting set with trim

### Electrical accessories

#### POWER SUPPLY 220-240 V AC, 50-60 Hz, □ PC II

TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
300 mA   non DIM	η 85 %	85-40-22	0 0 2 - 9 0 7 7 1
300 mA   DALI-2	η 88 %	143-43-30	0 0 2 - 9 0 7 6 2

#### THROUGH WIRING CONNECTION BOX

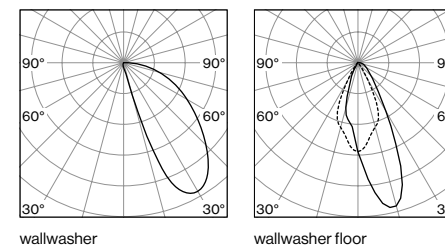
TYPE	L-W-H (mm)	ORDER CODE
non DIM cable ø 4–12 mm	105-58-30	0 0 5 - 2 5 3 1 1 1 0
DALI cable ø 4–12 mm	105-58-30	0 0 5 - 2 5 5 1 1 1 0

### DIN RAIL COMPONENTS

TYPE	W-H-D (mm)	ORDER CODE
POWER SUPPLY 220-240 V AC	90-90-60	0 0 5 - 6 5 2 0 2 1 0
96 W   48V DC constant voltage		
LED DRIVER DALI-2 DT6 1–2 addr.	36-88-59	0 0 5 - 6 1 2 1 0 3 0
200–1050 mA settable const. current		
2 × 42 W   48 V DC   U <sub>OUT</sub> 10–40 V		

for more details and components see page 981

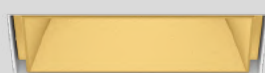
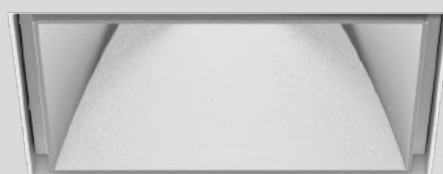
### Light distributions



**INSET POWER** is the current consumption excluding any ballast  
**LUMINOUS FLUX** value calculated for 3000 K, CRI ≥ 90, colour white, flood 2700 K -5%, 4000 K +5%



← back



## SASSO 100 square

recessed

**EN** Square recessed spotlight; installation without tools in mounting set (trimless or with trim) with ball catch system; surface lacquered; installation possible in different housings; choice of adjustable / fixed symmetric or asymmetric radiation characteristic; variants with symmetric radiation characteristic: precise radiation characteristic due to high quality lens system; variants with asymmetric radiation characteristic: high-quality reflector with micro-faceted, aluminum-vaporised surface; COB (Chip on Board) technology for maximum efficiency (ADJUSTABLE and DOWNLIGHT); no multiple shadows; efficient LEDs with very good colour rendering

**ES** Proyector empotrable cuadrado; instalación sin herramientas mediante kit de montaje (con o sin marco) con sistema inserción de bola; superficie lacada; posibilidad de instalar distintas carcasas; elección de la característica de radiación; ajustable o fija simétrica o asimétrica; variantes de radiación simétrica: proyección precisa con óptica de lente de alta calidad; variantes con emisión asimétrica: reflector de alta calidad con superficie de múltiples facetas revestida con aluminio por vaporización; Chip on Board que proporciona una máxima eficiencia (ADJUSTABLE y DOWNLIGHT); no sombras múltiples; LEDs de eficiencia que proporcionan una alta reproducción cromática

### Quickinfo

2700 K, 3000 K, 4000 K  
CRI ≥ 90, 2 SDCM  
up to 120 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2  
↓ IP 44 / ↑ IP 20

### Types

trim		75	95	(edf)
		118		
trimless		75	95	(edf)
		97		
double trim		75	95	(edf)
		218x118		

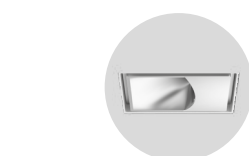
### Housing colours



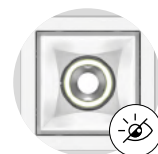
### Inset colours



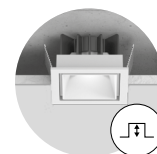
### Light distributions



wallwasher and  
ww floor inset



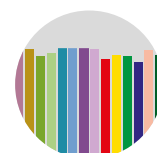
glare control  
(UGR ≤ 16)



60 mm  
recess depth



CWD  
1800-3000 K



CRI ≥ 95  
2 SDCM

### Order options

<b>COLOUR TEMPERATURE</b>	☼☼☼
2700 K	4
3000 K	5
4000 K	6

<b>INSET COLOUR</b>	☑
○ traffic white RAL 9016 (UGR ≤ 22)	7
● matt silver (UGR ≤ 19)	4
● jet black RAL 9005 (UGR ≤ 16)	1
● gold dust RAL 260-M (UGR ≤ 19)	9

<b>BEAM ANGLE</b>	▲
spot 19°	S
medium 34°	M
flood 45°	F
wide flood 65°	W

### Options on request

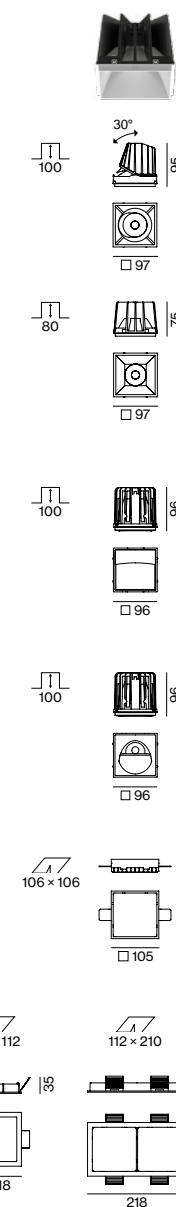
**COLOR RENDERING INDEX**  
CRI ≥ 95, 2 SDCM

**COLOUR TEMPERATURE**  
CWD 1800-3000 K  
not for WW & WWF version

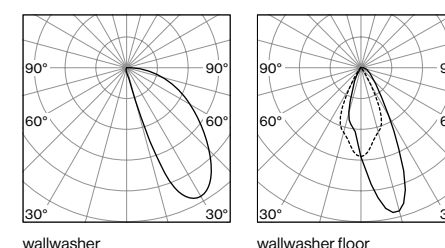
**CONTROL**  
Casambi

**MOUNTING SET**  
acoustic soft ceilings

**POWER SUPPLY**  
DIM 1-10 V



### Light distributions



**INSET POWER** is the current consumption excluding any ballast  
**LUMINOUS FLUX** value calculated for 3000 K, CRI ≥ 90, colour white, wide flood  
2700 K -5%, 4000 K +5%

### SASSO 100 square



#### ADJUSTABLE (↓ IP 40 / ↑ IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
17.2 W 36 Vf 500 mA	1860 lm	0 4 8 - 2 7 3 0 :: 1 1 4
25 W 36 Vf 700 mA	2450 lm	0 4 8 - 2 7 3 0 :: 1 1 4

#### DOWNLIGHT (↓ IP 44 / ↑ IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
17.2 W 36 Vf 500 mA	1890 lm	0 4 8 - 2 7 1 0 :: 1 1 4
25 W 36 Vf 700 mA	2500 lm	0 4 8 - 2 7 1 0 :: 1 1 4



#### WALLWASHER (IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
25 W 36 Vf 700 mA	2290 lm	0 4 8 - 2 7 5 0 :: 1 1 4

#### WALLWASHER/FLOOR (IP 20)

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
23.4 W 36 Vf 700 mA	2670 lm	0 4 8 - 2 7 5 0 :: 1 1 4

### Mounting accessories

**TRIMLESS MOUNTING SET** for plasterboard ceilings 12.5/15/25 mm

<b>COLOUR</b>	<b>ORDER CODE</b>
○ traffic white RAL9016	0 4 8 - 2 7 9 7 1 1 7

**MOUNTING SET WITH TRIM** for intermediate ceilings 2-25 mm

<b>TYPE</b>	<b>COLOUR</b>	<b>ORDER CODE</b>
1 lamp	● white aluminium RAL 9006	0 4 8 - 2 7 9 7 3 1 G
	○ traffic white RAL9016	0 4 8 - 2 7 9 7 3 1 7
	● jet black RAL 9005	0 4 8 - 2 7 9 7 3 1 8
2 lamps	● white aluminium RAL 9006	0 4 8 - 2 7 9 9 3 1 G
	○ traffic white RAL9016	0 4 8 - 2 7 9 9 3 1 7
	● jet black RAL 9005	0 4 8 - 2 7 9 9 3 1 8

#### CONCRETE MOUNTING HOUSING

<b>COLOUR</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
primed concrete ceilings*	614-307-120	0 4 8 - 2 6 9 5 1 1 0

\*order mounting set separately, not applicable for 2 lamps mounting set with trim

### Electrical accessories

**POWER SUPPLY** 220-240 V AC, 50-60 Hz, □ PC II

<b>TYPE</b>	<b>EFFICIENCY</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
500 mA   non DIM	η 88 %	143-43-30	0 0 2 - 9 0 7 7 7
500 mA   DALI-2	η 88 %	143-43-30	0 0 2 - 9 0 7 7 9
700 mA   non DIM	η 80 %	143-43-30	0 0 2 - 9 0 7 7 4
700 mA   DALI-2	η 88 %	143-43-30	0 0 2 - 9 0 7 7 6

#### THROUGH WIRING CONNECTION BOX

<b>TYPE</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
non DIM cable ø 4-12 mm	105-58-30	0 0 5 - 2 5 3 1 1 1 0
DALI cable ø 4-12 mm	105-58-30	0 0 5 - 2 5 5 1 1 1 0

#### DIN RAIL COMPONENTS

<b>TYPE</b>	<b>W-H-D (mm)</b>	<b>ORDER CODE</b>
POWER SUPPLY 220-240 V AC 96 W   48 V DC constant voltage	90-90-60	0 0 5 - 6 5 2 0 2 1 0
LED DRIVER DALI-2 DT6 1-2 addr. 200-1050 mA settable const. current 2 × 42 W   48 V DC   U <sub>OUT</sub> 10-40 V	36-88-59	0 0 5 - 6 1 2 1 0 3 0

for more details and components see page 981



**Zeitgeist** Graz, AT –  
by FIPE ARCHITECTURE





← back



## SASSO 60/100 round

semi-recessed

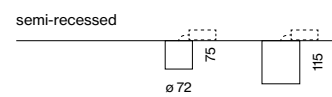
EN Cylindrical semi-recessed spotlight made of aluminium, available in 2 sizes; light inset lacquered; housing powder coated; luminaire housing can be attached to mounting plate without tools by interlock; choice of adj. sym. or asym. radiation characteristic; variants with sym. radiation characteristic: precise due to high quality lens system; variants with asym. radiation characteristic: high-quality reflector with micro-faceted, aluminum-vaporised surface; COB (Chip on Board) technology for maximum efficiency (ADJUSTABLE); no multiple shadows; efficient LEDs with very good colour rendering; external converter for ceiling insertion, for through-wiring suitable

ES Foco cilíndrico de aluminio para el montaje semiempotrado en 2 tamaños; inserto luminoso pintado; carcasa con recubr. de polvo; cuerpo luminoso insertable en la placa de montaje por enclavamiento y sin necesidad de herramienta; proyección sim. o asim. regulable; variantes de radiación sim.: precisa con óptica lente alta calidad; variantes de radiación asim.: reflector de alta calidad con superficie microfacetada metaliz. con aluminio; Chip on Board que proporciona una máxima eficiencia (ADJUSTABLE); no sombras múltiples; LEDs de eficiencia que proporcionan una alta reproducción cromática; convertidor externo para inserción en el techo, adecuado para cableado pasante

### Quickinfo

2700 K, 3000 K, 4000 K  
CRI ≥ 90, 2 SDCM  
SASSO 60 up to 104 lm/W  
SASSO 100 up to 117 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2

### Types



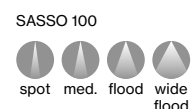
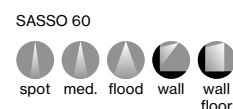
### Housing colours



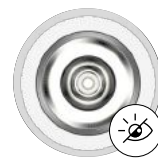
### Inset colours



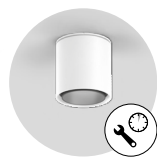
### Light distributions



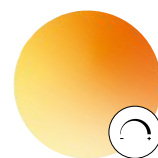
wallwasher and  
ww floor inset



glare control  
(UGR ≤ 16)



easy mounting;  
no visible screws



CWD  
1800–3000 K



CRI ≥ 95  
2 SDCM

### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

HOUSING COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	1

INSET COLOUR	
○ traffic white RAL 9016 (UGR ≤ 22)	7
● matt silver (UGR ≤ 19)	4
● jet black RAL 9005 (UGR ≤ 16)	1
● gold dust RAL 260-M (UGR ≤ 19)	9

BEAM ANGLE SASSO 60	
spot 15°	S
medium 21°	M
flood 42°	F

BEAM ANGLE SASSO 100	
spot 19°	S
medium 34°	M
flood 45°	F
wide flood 65°	W

### Options on request

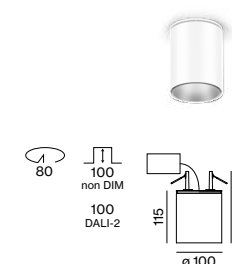
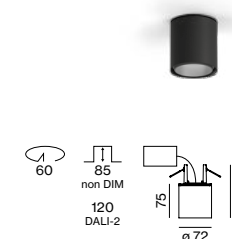
COLOUR RENDERING INDEX  
CRI ≥ 95, 2 SDCM

### COLOUR TEMPERATURE

CWD 1800–3000 K  
not for WW & WWF version

### CONTROL

Casambi



### SASSO 60 round semi-recessed



#### ADJUSTABLE

INSET POWER	LUMINOUS FLUX	ORDER CODE
10.7 W 36 Vf 300 mA	1040 lm	0 4 8 - 3 1 0 1 :: 1 ■ ■ ▲



#### WALLWASHER

INSET POWER	LUMINOUS FLUX	ORDER CODE
8.2 W 27 Vf 300 mA	635 lm	0 4 8 - 3 7 0 1 :: 1 ■ ■ ▲

#### WALLWASHER/FLOOR

INSET POWER	LUMINOUS FLUX	ORDER CODE
8.2 W 27 Vf 300 mA	633 lm	0 4 8 - 3 7 0 1 :: 1 ■ ■ ▲

### SASSO 100 round semi-recessed



#### ADJUSTABLE

INSET POWER	LUMINOUS FLUX	ORDER CODE
17.2 W 36 Vf 500 mA	1850 lm*	0 4 8 - 3 4 0 1 :: 1 ■ ■ ▲

\*reflector white flood

### Electrical accessories

POWER SUPPLY 220-240 V AC, 50-60 Hz, PC II

TYPE	EFFICIENCY	L-WH (mm)	ORDER CODE
300 mA   non DIM	η 85 %	85-40-22	0 0 2 - 9 0 7 7 1
300 mA   DALI-2	η 88 %	143-43-30	0 0 2 - 9 0 7 6 2
500 mA   non DIM	η 88 %	143-43-30	0 0 2 - 9 0 7 7 7
500 mA   DALI-2	η 88 %	143-43-30	0 0 2 - 9 0 7 7 9

THROUGH WIRING CONNECTION BOX for SASSO 100

TYPE	L-WH (mm)	ORDER CODE
non DIM cable ø 4–12 mm	105-58-30	0 0 5 - 2 5 3 1 1 1 0
DALI cable ø 4–12 mm	105-58-30	0 0 5 - 2 5 5 1 1 1 0

### DIN RAIL COMPONENTS

TYPE	WHD (mm)	ORDER CODE
POWER SUPPLY 220-240 V AC 96 W   48V DC constant voltage	90-90-60	0 0 5 - 6 5 2 0 2 1 0
LED DRIVER DALI-2 DT6 1–2 addr. 200–1050 mA settable const. current 2 × 42 W   48 V DC   U <sub>OUT</sub> 10–40 V	36-88-59	0 0 5 - 6 1 2 1 0 3 0

for more details and components see page 981

INSET POWER is the current consumption excluding any ballast  
LUMINOUS FLUX value calculated for 3000 K, CRI ≥ 90, colour white, flood 2700 K -5%, 4000 K +5%



[← back](#)


## SASSO 60/100 round

ceiling

**EN** Cylindrical ceiling mounted spotlight made of aluminium, available in 2 sizes; light inset lacquered; housing powder coated; luminaire housing can be attached to mounting plate without tools by interlock; adj. sym. or asym. radiation characteristic; variants with sym. radiation characteristic: precise due to high quality lens system; variants with asym. radiation characteristic: high-quality reflector with micro-faceted, aluminum-vaporised surface; COB (Chip on Board) technology for maximum efficiency (ADJUSTABLE); no multiple shadows; efficient LEDs with very good colour rendering; converter integrated into spotlight head

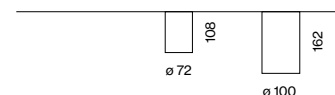
**ES** Foco cilíndrico de aluminio para montaje en techo en 2 tamaños; inserto lumin. pintado; carcasa con recubr. de polvo; cuerpo luminoso insertable en la placa de montaje por enclavamiento y sin necesidad de herramienta; proyección sim. o asim. regulable; variantes de radiación sim.: precisa con óptica lente alta calidad; variantes de radiación asim.: reflector de alta calidad con superficie microfacetada metaliz. con aluminio; Chip on Board que proporciona una máxima eficiencia (ADJUSTABLE); no sombras múltiples; LEDs de eficiencia que proporcionan una alta reproducción cromática; driver integrado en el proyector

### Quickinfo

2700 K, 3000 K, 4000 K  
CRI ≥ 90, 2 SDCM  
SASSO 60 up to 81lm/W  
SASSO 100 up to 100lm/W  
L80 @ 50 000 h  
non DIM, DALI-2

### Types

ceiling



### Housing colours



### Inset colours



### Light distributions

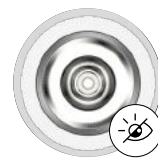
SASSO 60



SASSO 100



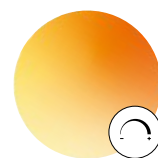
wallwasher and  
ww floor inset



glare control  
(UGR ≤ 16)



easy mounting;  
no visible screws



CWD  
1800–3000 K



CRI ≥ 95  
2 SDCM

### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

CONTROL	
non DIM	1
DALI-2	3

HOUSING COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	1

INSET COLOUR	
○ traffic white RAL 9016 (UGR ≤ 22)	7
● matt silver (UGR ≤ 19)	4
● jet black RAL 9005 (UGR ≤ 16)	1
● gold dust RAL 260-M (UGR ≤ 19)	9

BEAM ANGLE	
SASSO 60	▲
spot 15°	S
medium 21°	M
flood 42°	F

BEAM ANGLE	
SASSO 100	▲
spot 19°	S
medium 34°	M
flood 45°	F
wide flood 65°	W

### Options on request

COLOUR RENDERING INDEX  
CRI ≥ 95, 2 SDCM

COLOUR TEMPERATURE  
CWD 1800–3000 K  
not for WW & WWF version

LUMINOUS FLUX value calculated for  
CRI ≥ 90, colour white, reflector flood



### SASSO 60 round ceiling



#### ADJUSTABLE

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
11.6 W	2700 K	808 lm	0 4 8 - 3 1 1 0 :: ◆ ▣ ▣ ▲
	3000 K	874 lm	
	4000 K	939 lm	



#### WALLWASHER

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
11.4 W	2700 K	635 lm	0 4 8 - 3 7 1 0 :: ◆ ▣ ▣ A
	3000 K	635 lm	
	4000 K	744 lm	

#### WALLWASHER/FLOOR

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
11.4 W	2700 K	633 lm	0 4 8 - 3 7 1 0 :: ◆ ▣ ▣ W
	3000 K	633 lm	
	4000 K	746 lm	

### SASSO 100 round ceiling



#### ADJUSTABLE

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
20.2 W	2700 K	1650 lm	0 4 8 - 3 4 1 0 :: ◆ ▣ ▣ ▲
	3000 K	1790 lm	
	4000 K	1930 lm	



**Oppenländer Rechtsanwälte**  
Stuttgart, DE – by Ippolito Fleitz  
Group GmbH





**WIKUS Sägenfabrik** Spangenberg, DE –  
by Bieling Architekten AG with lighting  
design by Peter Andres Unabhängige  
Lichtplanung und -beratung GbR





**Private Residence**  
Copenhagen, DK –  
by COBE Architects with  
lighting design by anker & co





← back



## SASSO 60/100 square

semi-recessed

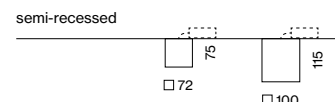
**EN** Square semi-recessed spotlight made of aluminium, available in 2 sizes; light inset lacquered; housing powder coated; luminaire housing can be attached to mounting plate without tools by interlock; choice of adjustable / fixed symmetric or asymmetric radiation characteristic; variants with sym. radiation characteristic: precise due to high quality lens system; variants with asym. radiation characteristic: high-quality reflector with micro-faceted, aluminum-vaporised surface; COB (Chip on Board) technology for maximum efficiency (ADJUSTABLE and DOWNLIGHT); no multiple shadows; efficient LEDs with very good colour rendering; external converter for ceiling insertion, for through-wiring suitable

**ES** Foco cuadrado de aluminio para el montaje semiempotrado en 2 tamaños; inserto lumin. pintado; carcasa con recubr. de polvo; cuerpo luminoso insertable en la placa de montaje por enclavamiento y sin necesidad de herramienta; elección de la característica de radiación; ajustable o fija simétrica o asimétrica; variantes de radiación sim.: precisa con óptica lente alta calidad; variantes de radiación asim.: reflector de alta calidad con superficie microfacetada metálica; con aluminio; Chip on Board que proporciona una máxima eficiencia (ADJUSTABLE y DOWNLIGHT); no sombras múltiples; LEDs de eficiencia que proporcionan una alta reproducción cromática; convertidor externo para inserción en el techo, adecuado para cableado pasante

### Quickinfo

2700 K, 3000 K, 4000 K  
CRI ≥ 90, 2 SDCM  
SASSO 60 up to 86 lm/W  
SASSO 100 up to 119 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2

### Types



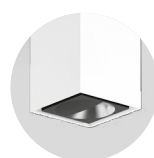
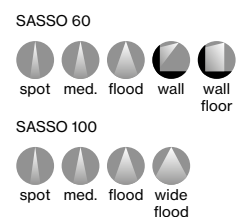
### Housing colours



### Inset colours



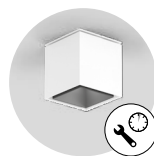
### Light distributions



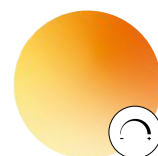
wallwasher and  
ww floor inset



glare control  
(UGR ≤ 16)



easy mounting;  
no visible screws



CWD  
1800-3000 K



CRI ≥ 95  
2 SDCM

### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

HOUSING COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	1

INSET COLOUR	
○ traffic white RAL 9016 (UGR ≤ 22)	7
● matt silver (UGR ≤ 19)	4
● jet black RAL 9005 (UGR ≤ 16)	1
● gold dust RAL 260-M (UGR ≤ 19)	9

BEAM ANGLE SASSO 60	
spot 15°	S
medium 21°	M
flood 42°	F

BEAM ANGLE SASSO 100	
spot 19°	S
medium 34°	M
flood 45°	F
wide flood 65°	W

### Options on request

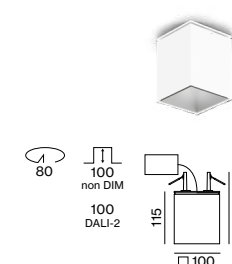
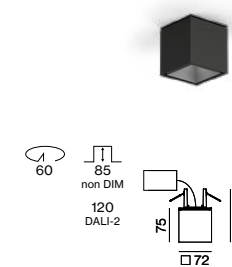
COLOUR RENDERING INDEX  
CRI ≥ 95, 2 SDCM

COLOUR TEMPERATURE  
CWD 1800-3000 K

not for WW & WWF version

### CONTROL

Casambi



### SASSO 60 square semi-recessed



DOWNLIGHT	INSET POWER	LUMINOUS FLUX	ORDER CODE
	10.7 W 36 Vf 300 mA	1100 lm	0 4 8 - 3 0 0 1 :: 1 ■ ■ ▲



WALLWASHER	INSET POWER	LUMINOUS FLUX	ORDER CODE
	8.2 W 27 Vf 300 mA	635 lm	0 4 8 - 3 6 0 1 :: 1 ■ ■ ▲

### WALLWASHER/FLOOR

INSET POWER	LUMINOUS FLUX	ORDER CODE
8.2 W 27 Vf 300 mA	633 lm	0 4 8 - 3 6 0 1 :: 1 ■ ■ W

### SASSO 100 square semi-recessed



ADJUSTABLE	INSET POWER	LUMINOUS FLUX	ORDER CODE
	17.2 W 36 Vf 500 mA	1890 lm*	0 4 8 - 3 3 0 1 :: 1 ■ ■ ▲

\*reflector wide flood

### Electrical accessories

POWER SUPPLY 220-240 V AC 50-60 Hz, PC II

TYPE	EFFICIENCY	L-WH (mm)	ORDER CODE
300 mA   non DIM	η 85 %	85-40-22	0 0 2 - 9 0 7 7 1
300 mA   DALI-2	η 88 %	143-43-30	0 0 2 - 9 0 7 6 2
500 mA   non DIM	η 88 %	143-43-30	0 0 2 - 9 0 7 7 7
500 mA   DALI-2	η 88 %	143-43-30	0 0 2 - 9 0 7 7 9

THROUGH WIRING CONNECTION BOX for SASSO 100

TYPE	L-WH (mm)	ORDER CODE
non DIM cable ø 4-12 mm	105-58-30	0 0 5 - 2 5 3 1 1 1 0
DALI cable ø 4-12 mm	105-58-30	0 0 5 - 2 5 5 1 1 1 0

### DIN RAIL COMPONENTS

TYPE	W-H-D (mm)	ORDER CODE
POWER SUPPLY 220-240 V AC 96 W   48V DC constant voltage	90-90-60	0 0 5 - 6 5 2 0 2 1 0
LED DRIVER DALI-2 DT6 1-2 addr. 200-1050 mA settable const. current 2 × 42 W   48V DC   U <sub>OUT</sub> 10-40 V	36-88-59	0 0 5 - 6 1 2 1 0 3 0

for more details and components see page 981

**INSET POWER** is the current consumption excluding any ballast  
**LUMINOUS FLUX** value calculated for 3000 K, CRI ≥ 90, colour white, flood 2700 K -5%, 4000 K +5%



← back



## SASSO 60/100 square

ceiling

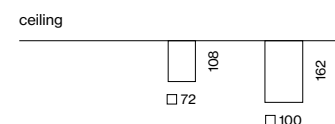
**EN** Square ceiling mounted spotlight made of aluminium, available in 2 sizes; light inset lacquered; housing powder coated; luminaire housing can be attached to mounting plate without tools by interlock; choice of adjustable / fixed symmetric or asymmetric radiation characteristic; variants with sym. radiation characteristic: precise due to high quality lens system; variants with asym. radiation characteristic: high-quality reflector with micro-faceted, aluminum-vaporised surface; COB (Chip on Board) technology for maximum efficiency (ADJUSTABLE and DOWNLIGHT); no multiple shadows; efficient LEDs with very good colour rendering; luminaire for through wiring; converter integrated into spotlight head

**ES** Foco cuadrado de aluminio para montaje en techo en 2 tamaños; inserto lumin. pintado; carcasa con recubr. de polvo; cuerpo luminoso insertable en la placa de montaje por enclavamiento y sin necesidad de herramienta; elección de la característica de radiación; ajustable o fija simétrica o asimétrica; variantes de radiación sim.: precisa con óptica lente alta calidad; variantes de radiación asim.: reflector de alta calidad con superficie microfaceteda metaliz. con aluminio; Chip on Board que proporciona una máxima eficiencia (ADJUSTABLE y DOWNLIGHT); no sombras múltiples; LEDs de eficiencia que proporcionan una alta reproducción cromática; luminaria para cableado pasante; driver integrado en el proyector

### Quickinfo

2700 K, 3000 K, 4000 K  
CRI ≥ 90, 2 SDCM  
SASSO 60 up to 94lm/W  
SASSO 100 up to 101lm/W  
L80 @ 50 000 h  
non DIM, DALI-2

### Types



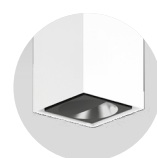
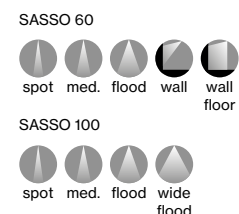
### Housing colours



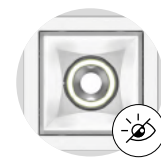
### Inset colours



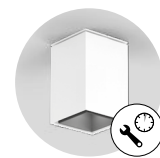
### Light distributions



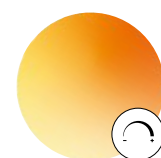
wallwasher and  
ww floor inset



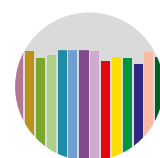
glare control  
(UGR ≤ 16)



easy mounting;  
no visible screws



CWD  
1800–3000 K



CRI ≥ 95  
2 SDCM

### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

CONTROL	
non DIM	1
DALI-2	3

HOUSING COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	1

INSET COLOUR	
○ traffic white RAL 9016 (UGR ≤ 22)	7
● matt silver (UGR ≤ 19)	4
● jet black RAL 9005 (UGR ≤ 16)	1
● gold dust RAL 260-M (UGR ≤ 19)	9

BEAM ANGLE	
SASSO 60	▲
spot 15°	S
medium 21°	M
flood 42°	F

BEAM ANGLE	
SASSO 100	▲
spot 19°	S
medium 34°	M
flood 45°	F
wide flood 65°	W

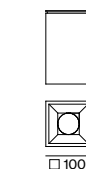
### Options on request

COLOUR RENDERING INDEX  
CRI ≥ 95, 2 SDCM

COLOUR TEMPERATURE  
CWD 1800–3000 K  
not for WW & WWF version

COLOUR TEMPERATURE  
CWD 1800–3000 K  
not for WW & WWF version

LUMINOUS FLUX value calculated for  
CRI ≥ 90, colour white, reflector flood



### SASSO 60 square ceiling



DOWNLIGHT				
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE	
11.6 W	2700 K	857 lm	0 4 8 - 3 0 1 0 ::	◆ ■ ▲
	3000 K	927 lm		
	4000 K	996 lm		



WALLWASHER				
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE	
11.4 W	2700 K	617 lm	0 4 8 - 3 6 1 0 ::	◆ ■ ▲
	3000 K	617 lm		
	4000 K	726 lm		

WALLWASHER/FLOOR				
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE	
11.4 W	2700 K	633 lm	0 4 8 - 3 6 1 0 ::	◆ ■ ▲
	3000 K	633 lm		
	4000 K	746 lm		

### SASSO 100 square ceiling



ADJUSTABLE				
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE	
20.2 W	2700 K	1700 lm	0 4 8 - 3 3 1 0 ::	◆ ■ ▲
	3000 K	1840 lm		
	4000 K	1980 lm		



**Relesys Office** Copenhagen, DK –  
by Lobo-Lab Architects  
with lighting design by anker & co







## SASSO 60/100 round

suspended

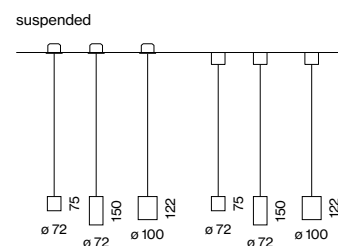
**EN** Cylindrical spotlight made of aluminium, available in 2 sizes; light inset lacquered; housing powder coated; pendant fitting with cable suspension; incl. feed (black or white); can be individually shortened; precise radiation characteristic due to high quality lens system; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; efficient LEDs with very good colour rendering; canopy for through wiring; converter included in canopy

**ES** Proyector cilíndrico de aluminio en 2 tamaños; inserto lumin. pintado; carcasa con recubr. de polvo; suspendido con cable; incl. cable de alimentación (negro o blanco); se puede acortar; proyección precisa con óptica de lente de alta calidad; Chip on Board que proporciona una máxima eficiencia; no sombras múltiples; LEDs de eficiencia que proporcionan una alta reproducción cromática; baldaquino para cableado pasante; convertidor integrado en el baldaquino

### Quickinfo

2700 K, 3000 K, 4000 K  
CRI ≥ 90, 2 SDCM  
SASSO 60 up to 83 lm/W  
SASSO 100 up to 98 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2

### Types



### Housing colours



### Inset colours

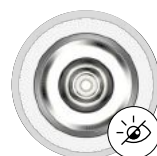


### Light distributions

SASSO 60



SASSO 100



glare control  
(UGR ≤ 16)



easy mounting;  
no visible screws



CRI ≥ 95  
2 SDCM

### Order options

HOUSING HEIGHT	
75 mm	2
150 mm	7

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

CONTROL	
non DIM	1
DALI-2	3

HOUSING COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	1

INSET COLOUR	
○ traffic white RAL 9016 (UGR ≤ 22)	7
● matt silver (UGR ≤ 19)	4
● jet black RAL 9005 (UGR ≤ 16)	1
● gold dust RAL 260-M (UGR ≤ 19)	9

BEAM ANGLE	
SASSO 60	
spot 15°	S
medium 21°	M
flood 42°	F

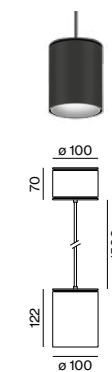
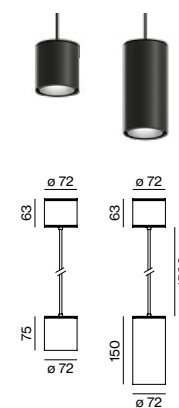
BEAM ANGLE	
SASSO 100	
spot 19°	S
medium 34°	M
flood 45°	F
wide flood 65°	W

### Options on request

COLOUR RENDERING INDEX  
CRI ≥ 95, 2 SDCM

### MOUNTING

recessed canopy



### SASSO 60 round suspended



#### DOWNLIGHT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
11.6 W	2700 K	833 lm	0 4 8 - 3 1 L 0 :: ▽ ▽ ▽ ▲
	3000 K	901 lm	
	4000 K	968 lm	

### SASSO 100 round suspended



#### DOWNLIGHT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
20.2 W	2700 K	1650 lm	0 4 8 - 3 4 2 0 :: ▽ ▽ ▽ ▲
	3000 K	1790 lm	
	4000 K	1920 lm	

LUMINOUS FLUX value calculated for  
CRI ≥ 90, colour white, reflector wide flood



**James Good Coiffeur Lounge**  
Flums, CH – by Daniel Huber Architektur GmbH





← back



## SASSO 60 base

ceiling

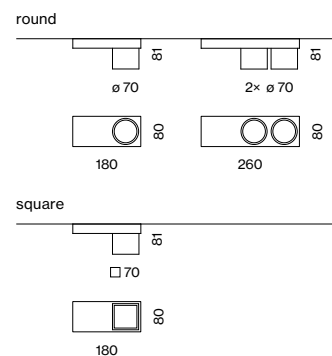
EN Cylindrical or square spotlight made of aluminium; light inset lacquered; housing powder coated; light inset rotatable and tiltable (cylindrical versions); choice of single lamp or double lamps (cylindrical versions); surface mounted housing in aluminium incl. converter; mounting plate with pre-assembled converter unit can be pre-mounted; luminaire housing can be attached without tools by interlock; precise radiation characteristic due to high quality lens system; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; efficient LEDs with very good colour rendering; luminaire for through wiring

ES Proyector cilíndrico o cuadrado de aluminio; inserto lumin. pintado; carcasa con recubr. de polvo; elemento de luz girable e inclinable (variantes cilíndricas); con una o dos luces (variantes cilíndricas); carcasa de aluminio para montaje en superficie, incluido convertidor; placa de montaje con convertidor premontado / premontable; cuerpo luminoso insertable por enclavamiento y sin necesidad de herramienta; proyección precisa con óptica de lente de alta calidad; Chip on Board que proporciona una máxima eficiencia; no sombras múltiples; LEDs de eficiencia que proporcionan una alta reproducción cromática; luminaria para cableado pasante

### Quickinfo

2700 K, 3000 K, 4000 K  
CRI ≥ 90, 2 SDCM  
SASSO round up to 90 lm/W  
SASSO square up to 86 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2

### Types



### Housing colours



### Inset colours



### Light distributions



### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

CONTROL	
non DIM	1
DALI-2	3

HOUSING COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	1

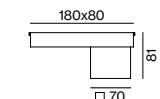
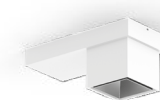
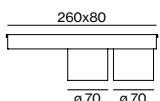
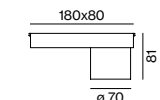
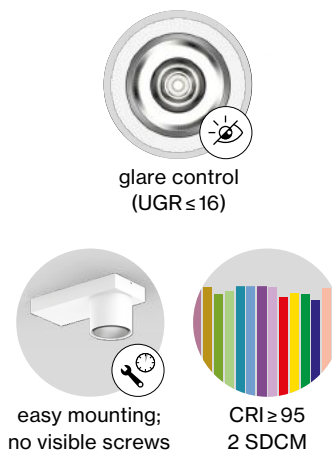
INSET COLOUR	
○ traffic white RAL 9016 (UGR ≤ 22)	7
● matt silver (UGR ≤ 19)	4
● jet black RAL 9005 (UGR ≤ 16)	1
● gold dust RAL 260-M (UGR ≤ 19)	9

BEAM ANGLE	
spot 15°	S
medium 21°	M
flood 42°	F

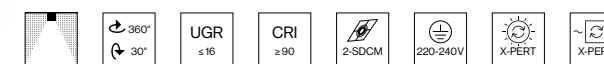
### Options on request

COLOUR RENDERING INDEX	
CRI ≥ 95, 2 SDCM	

LIGHT DISTRIBUTION	
wallwasher	
wallwasher / floor	



### SASSO 60 base round



#### ADJUSTABLE 1 LAMP

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
11.7 W	2700 K	816 lm	0 4 8 - 3 1 3 0 :: ◆ ▣ ▣ ▲
	3000 K	882 lm	
	4000 K	948 lm	

#### ADJUSTABLE 2 LAMPS

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
21.6 W	2700 K	2 × 873 lm	0 4 8 - 3 1 4 0 :: ◆ ▣ ▣ ▲
	3000 K	2 × 921 lm	
	4000 K	2 × 977 lm	

### SASSO 60 base square



#### DOWNLIGHT 1 LAMP

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
11.7 W	2700 K	865 lm	0 4 8 - 3 0 3 0 :: ◆ ▣ ▣ ▲
	3000 K	936 lm	
	4000 K	1010 lm	

LUMINOUS FLUX value calculated for CRI ≥ 90, colour white, reflector flood





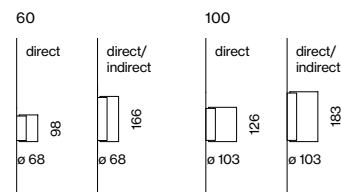
**The Raum** Bolzano, IT –  
by bergundtal gmbh.





**Quickinfo**

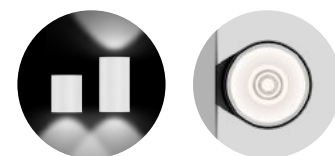
2700 K, 3000 K, 4000 K  
 CRI ≥ 90, 2 SDCM  
 SASSO 60 up to 69 lm/W  
 SASSO 100 up to 61 lm/W  
 L80 @ 50 000 h  
 non DIM, DALI-2

**Types****Housing colours****Inset colours****Light distributions****SASSO 60/100 round**

wall

**EN** Cylindrical wall surface mounted luminaire made of aluminium, available in 2 sizes; light inset lacquered; housing powder coated; optionally symmetric direct or direct / indirect light distribution; homogeneous wall or ceiling illumination through uniform light distribution; precise radiation characteristic due to high quality lens system; installation of variant DIRECT optionally for floor or ceiling illumination; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; efficient LEDs with very good colour rendering

**ES** Aplique de pared cilíndrico de aluminio para el montaje en superficie en 2 tamaños; inserto lumin. pintado; carcasa con recubr. de polvo; disponible con proyección simétrica directa o proyección directa/indirecta; iluminación homogénea de la pared o bien del techo mediante distribución uniforme de la luz; proyección precisa con óptica de lente de alta calidad; variante de montaje DIRECT disponible para la iluminación del suelo o el techo; Chip on Board que proporciona una máxima eficiencia; no sombras múltiples; LEDs de eficiencia que proporcionan una alta reproducción cromática



direct and direct / indirect illumination



high quality lens



easy mounting

CRI ≥ 95  
2 SDCM**Order options**

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

CONTROL	
non DIM	1
DALI-2	3

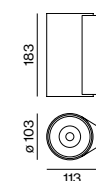
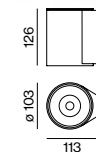
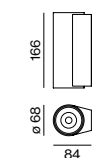
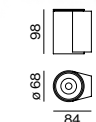
HOUSING COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	1

INSET COLOUR	
○ traffic white RAL 9016 (UGR ≤ 22)	7
● matt silver (UGR ≤ 19)	4
● jet black RAL 9005 (UGR ≤ 16)	1
● gold dust RAL 260-M (UGR ≤ 19)	9

BEAM ANGLE	
opal lens	

**Options on request**

COLOUR RENDERING INDEX	
CRI ≥ 95, 2 SDCM	

**SASSO 60 round wall****DIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
11.7 W	2700 K	647 lm	0 4 8 - 3 1 5 0 :: ◆ ▣ ■ ○
	3000 K	683 lm	
	4000 K	724 lm	

**DIRECT / INDIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
20.4 W	2700 K	2 × 643 lm	0 4 8 - 3 1 6 0 :: ◆ ▣ ■ ○
	3000 K	2 × 678 lm	
	4000 K	2 × 720 lm	

**SASSO 100 round wall****DIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
20.4 W	2700 K	1130 lm	0 4 8 - 3 4 5 0 :: ◆ ▣ ■ ○
	3000 K	1180 lm	
	4000 K	1240 lm	

**DIRECT / INDIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
41 W	2700 K	2 × 1130 lm	0 4 8 - 3 4 6 0 :: ◆ ▣ ■ ○
	3000 K	2 × 1180 lm	
	4000 K	2 × 1240 lm	

**LUMINOUS FLUX** value calculated for CRI ≥ 90, colour white, lens opal



**MAM Competence Center**  
Großhöflein, AT –  
by INNOCAD Architektur ZT





# The exquisite choice

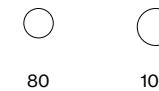


## SASSO PRO

**EN** The high-quality reflector ensures a particularly even light pattern and professional glare control. Its exclusive design and high-quality appearance make SASSO the ideal spotlight on the shop floor. The spotlights can be rotated through 360° and can also be swivelled by up to 35° around the horizontal central axis. This means light can be flexibly redirected even after installation, depending on the shop concept. Thanks to its replaceable light insets, the spotlight can be installed quickly and without any tools using a ball-catch system. SASSO is available in various sizes, colours, and with optical accessories. For the light colours, you can choose between 2700K, 3000K, 4000K, or the dynamic gradient Colour Warm Dimming and Tunable White versions.

**ES** Su magnífico reflector garantiza un patrón de luz muy uniforme y una prevención excelente del deslumbramiento. Su diseño exclusivo y acabados hacen de SASSO el proyector ideal para tiendas. Los spots pueden girarse 360° y además son capaces de inclinarse hasta 35° sobre el eje horizontal. De ese modo, la luz puede dirigirse de manera flexible adaptándola a la distribución específica del espacio. Gracias a sus elementos intercambiables, el spot puede montarse de un modo rápido y sin herramienta mediante un cierre a presión. SASSO está disponible en distintos tamaños y colores y con accesorios diversos. En cuanto a temperaturas de color, puede elegirse entre 2700K, 3000K y 4000K o las variantes de Colour Warm Dimming y Tunable White.

### Types



80

100

### Mountings

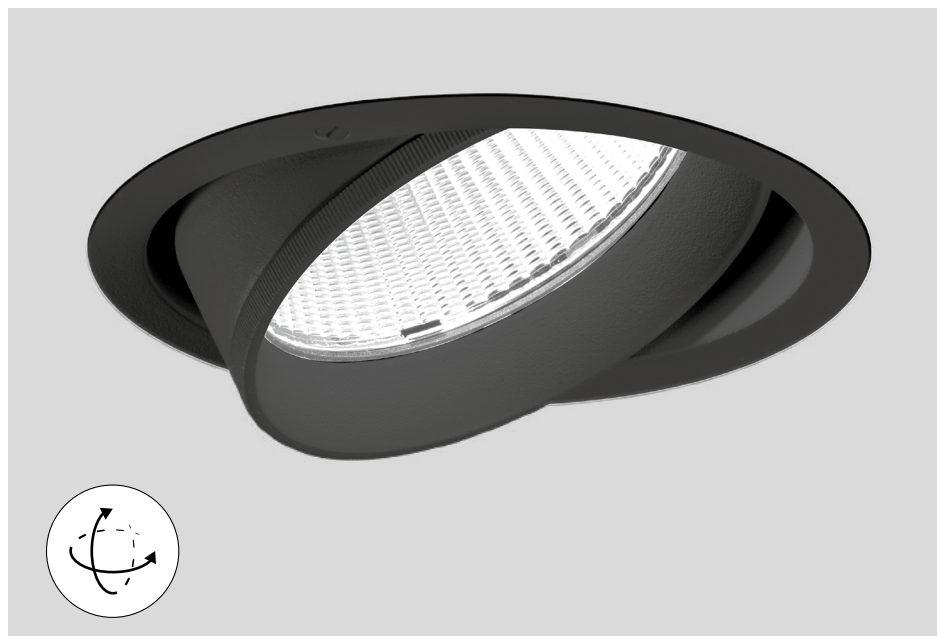
trimless  
recessedwith trim  
recessed

### Light distribution



spotlight





## Precise light adjustment

**EN** In addition to the 360° rotatability of all SASSO Round 80/100 variants, the adjustable version can be swivelled up to 35° around the horizontal central axis. This enables light to be directed precisely where it is needed.

**ES** Todas las variantes de SASSO Round 80/100 ofrecen una rotación de 360°, y el modelo Adjustable puede inclinarse hasta 35° sobre el eje horizontal. Esto hace posible un direccionamiento de la luz aún más exacto justo allí donde se necesita.



## Optical accessories

**EN** Use a wide range of optical accessories to adapt spotlights for special applications. The optical light accessories can be attached or removed in one easy step and provide glare-free light at any point.

**ES** Utilice accesorios ópticos diversos para adaptar los proyectores a campos de aplicación especiales. Los accesorios ópticos de iluminación pueden ponerse y quitarse con total facilidad y garantizan una luz exenta de deslumbramiento.

## CWD – Colour Warm Dimming

**EN** Warm light quality with reduced illuminance. Colour Warm Dimming reduces the light intensity while continuously changing the colour temperature between 3000 K and 1800 K. The function supports, for example, the change between cosy restaurant lighting during the day and a relaxing lighting mood in the evening.

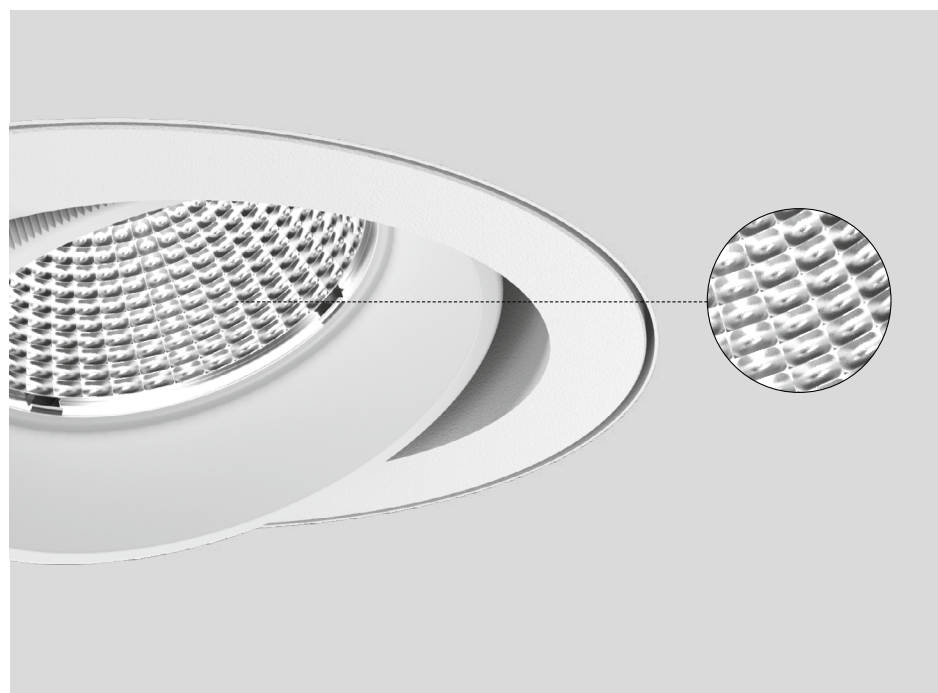
**ES** Luz cálida combinada con una intensidad luminosa reducida: Colour Warm Dimming reduce la intensidad de la luz a la vez que regula la temperatura de color sin etapas entre 3000 K y 1800 K. Esta función hace posible, entre otras cosas, cambiar entre una iluminación acogedora de restaurante durante el día y un ambiente luminoso relajante por la noche.



## Reflector inset

**EN** The high-quality reflector with spherical faceted optics ensures a uniform light pattern with significant glare control. SASSO is an attractive lighting solution in the premium shop area, thanks to its high-quality appearance.

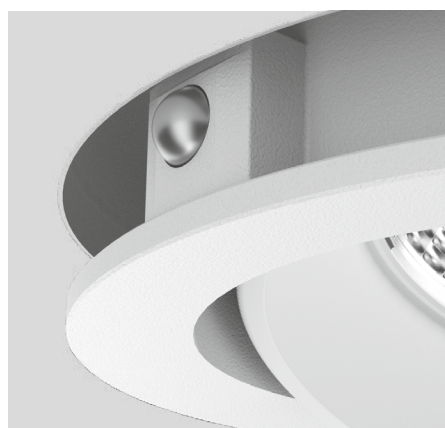
**ES** El magnífico reflector con óptica facetada garantiza una luz uniforme y una buena protección contra el deslumbramiento. Gracias a su aspecto elegante, SASSO es también una solución de iluminación atractiva para tiendas de artículos de lujo.



## Ball catch system

**EN** SASSO spots are easy to replace. The assembly is quick and entirely without tools, thanks to a ball catch system. The lighting thus always adapts flexibly to new requirements and circumstances.

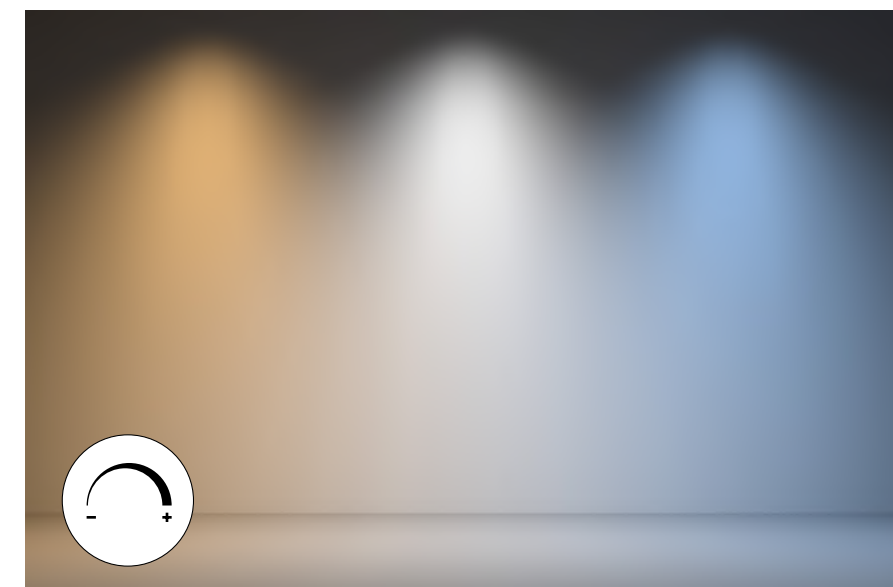
**ES** Los spots SASSO pueden desmontarse fácilmente: el montaje es rápido y totalmente sin herramientas gracias a un sistema de cierre a presión. Esto hace que la iluminación pueda adaptarse siempre a los nuevos requisitos y circunstancias con total flexibilidad.



## TW – Tunable White

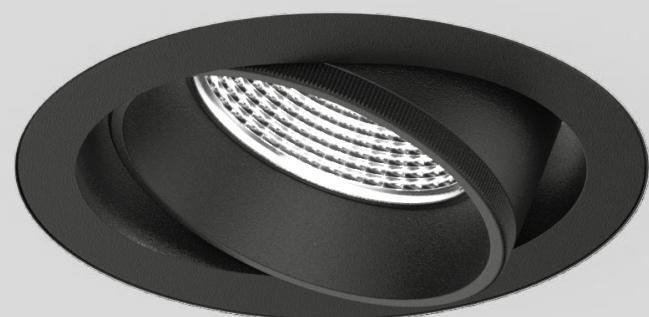
**EN** Changes in the colour of light have a substantial effect on our mood. Tunable White allows the colour temperature to be continuously adjusted from 2700 K (warm light) to 6500 K (cool light) to dynamically adapt the lighting to the time of day or ambient brightness.

**ES** Los cambios en la temperatura de color de la luz tienen un efecto considerable en nuestro estado de ánimo. Tunable White hace posible una modificación continua de la temperatura de color desde 2700 K (luz cálida) hasta 6500 K (luz fría), con el fin de adaptar la iluminación de forma dinámica a la hora del día o a la luz del entorno.





← back



## SASSO PRO 80 flush/offset

recessed



EN Round recessed spotlight in die-cast aluminium; installation without tools in mounting set with ball catch system; surface powder coated; installation possible in different housings; light inset rotatable and tiltable; optionally with recessed lighting level; optical attachments as accessories; with optional high-quality lens system with precise radiation characteristic; and high-quality reflector with spherical facet effect design, precise radiation characteristics with different beam angles; installed and exchanged without tools; COB (Chip on Board) technology or high power LEDs for maximum efficiency; no multiple shadows; efficient LEDs with very good colour rendering

ES Foco empotrable redondo de aluminio; instalación sin herramientas mediante kit de montaje con sistema de inserción de bola; superficie con recubrimiento de pintura en polvo; posibilidad de instalar distintas carcasas; elemento de luz girable e inclinable; opcionalmente con nivel de luminaria retranqueado; elementos ópticos accesorios; opcional. con óptica de lente de alta calidad con proyección precisa; o reflector de alta calidad con óptica facetada esférica, proyección precisa con distintos ángulos de apertura; intercambiable sin herramienta; con tecnología COB (Chip on Board) o LEDs de alta potencia para proporcionar una máxima eficiencia; sin sombras múltiples; LEDs eficientes con una muy buena reproducción cromática

### Quickinfo

2700 K, 3000 K, 4000 K, CWD  
CRI ≥ 90, 3 SDCM  
up to 93 lm/W  
L90 @ 50 000 h  
non DIM, DALI-2

### Types

trim		83
	ø 98	
trimless		83
	ø 80	

### Colours



### Light distributions



### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6
CWD 1800–2700 K	

CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	8

LENS	
super spot 6°	

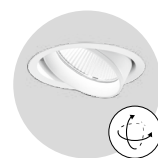
BEAM ANGLE	
medium 27°	M
flood 37°	F

### Options on request

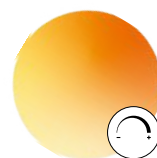
MOUNTING SET	
acoustic soft ceilings	



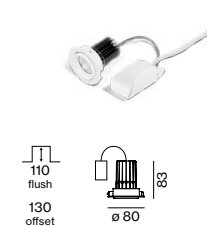
DiiA® standards  
251, 252, 253



rotatable 360°  
tiltable 35°



CWD  
1800–2700 K



## SASSO PRO 80



### SPOTLIGHT ADJUSTABLE

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
7.7 W	2700 K	353 lm	048-2310::1 V
super spot 6°	3000 K	379 lm	
	4000 K	408 lm	
	2700 K	728 lm	048-2310::1 V▲
8.3 W	3000 K	765 lm	
	4000 K	773 lm	
	2700 K	1020 lm	048-2312:: V▲▲
12.2 W	3000 K	1060 lm	
	4000 K	1130 lm	
	2700 K		

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
6.5 W CWD 1800–2700 K	378 lm	048-2310E3 V M

### Mounting accessories

#### TRIMLESS MOUNTING SET

for installation in plasterboard ceilings 12.5/15/25 mm

TYPE		ORDER CODE
flush		052-1921327
offset 17 mm		052-193132 V

#### ROUND MOUNTING SET WITH TRIM

for intermediate ceilings 5–25 mm

TYPE		ORDER CODE
flush		052-192232 V
offset 17 mm		052-193232 V

#### SQUARE MOUNTING SET WITH TRIM

for intermediate ceilings 5–25 mm

TYPE		ORDER CODE
flush		052-194231 V
offset 17 mm		052-195231 V

#### CONCRETE MOUNTING HOUSING

TYPE	L-W-H (mm)	ORDER CODE
exposed concrete ceilings*	229-227-160	060-00080
primed concrete ceilings**	ø240-400-130	052-1914320

\*only for flush mounting \*\*order mounting set separately

### Optical accessories

TYPE	ORDER CODE
honeycomb louver	048-209131 V
linear prismatic lens	048-209231 V
snoot	048-209111 V
snoot with honeycomb louver	048-209121 V

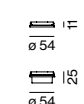
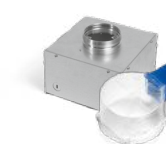
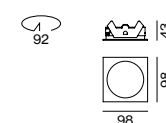
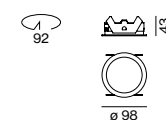
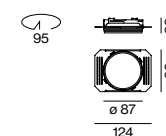
use only 1 optical accessory

### Electrical accessories

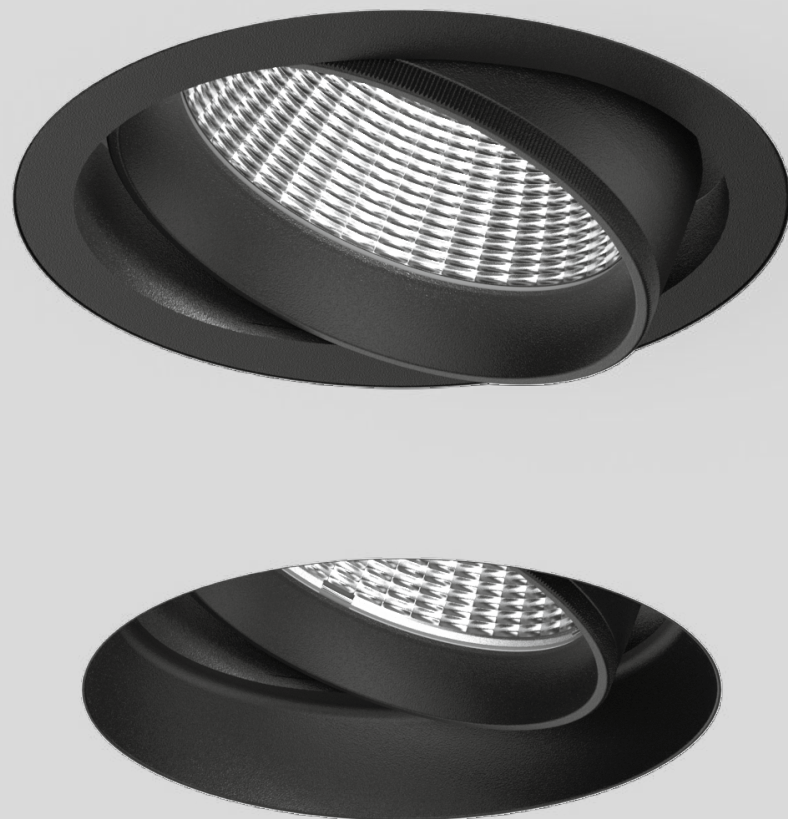
#### THROUGH WIRING CONNECTION BOX

TYPE	L-W-H (mm)	ORDER CODE
non DIM cable ø 4–12 mm	105-58-30	005-2531110
DALI cable ø 4–12 mm	105-58-30	005-2551110

LUMINOUS FLUX value calculated for CRI ≥ 90, colour white, reflector flood, flush mounting





[← back](#)


## SASSO PRO 100 flush/offset

recessed

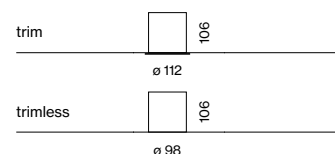
EN Round recessed spotlight in die-cast aluminium; installation without tools in mounting set with ball catch system; surface powder coated; installation possible in different housings; light inset rotatable and tiltable; optionally with recessed lighting level; optical attachments as accessories; high-quality reflector with spherical facet effect design, precise radiation characteristics with different beam angles; installed and exchanged without tools; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; efficient LEDs with very good colour rendering

ES Proyector empotrable redondo de inyección en aluminio; instalación sin herramientas mediante kit de montaje con sistema inserción de bola; superficie con recubrimiento de pintura en polvo; posibilidad de instalar distintas carcasas; elemento de luz girable e inclinable; opcionalmente con nivel de la luminaria retranqueado; los accesorios ópticos como accesorios; bien reflector de alta calidad con óptica facetada esférica, precisa característica de emisión con diferentes ángulos de emisión; intercambiable sin herramienta; Chip on Board que proporciona una máxima eficiencia; no proporciona sombras múltiples; LEDs de eficiencia que proporcionan una alta reproducción cromática

### Quickinfo

2700 K, 3000 K, 4000 K, CWD, TW  
CRI ≥ 90, 3 SDCM  
up to 104 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2

### Types



### Colours



### Light distributions



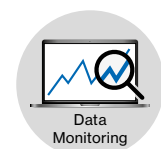
### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6
CWD 2000–3000 K	
TW 1800–3000 K	
TW 2700–6500 K	

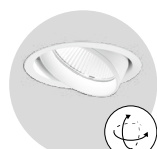
CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	8

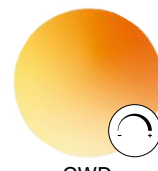
REFLECTOR	
spot 18° (not for HO version)	S
medium 24°	M
flood 36°	F
wide flood 55° (not for HO vers.)	W



DiiA® standards  
251, 252, 253



rotatable 360°  
tiltable 35°

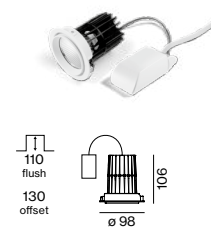


CWD  
2000–3000 K



TW 1800–3000 K &  
TW 2700–6500 K

LUMINOUS FLUX value calculated for  
CRI ≥ 90, colour white, reflector flood,  
flush mounting



### SASSO PRO 100



#### SPOTLIGHT ADJUSTABLE

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14.5 W	2700 K	1350 lm	0 4 8 - 2 4 1 0 :: ▢ ▢ ▢ ▢
	3000 K	1420 lm	
	4000 K	1490 lm	
26.5 W	2700 K	2160 lm	0 4 8 - 2 4 1 2 :: ▢ ▢ ▢ ▢
	3000 K	2260 lm	
	4000 K	2380 lm	
27 W HO	2700 K	2580 lm	0 4 8 - 2 4 1 3 :: ▢ ▢ ▢ ▢
	3000 K	2810 lm	
	4000 K	2840 lm	

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
14.7 W CWD 2000–3000 K	1030 lm	0 4 8 - 2 4 1 1 E 3 ▢ ▢ F
28.2 W TW 1800–3000 K	2020 lm	0 4 8 - 2 4 1 2 L 3 ▢ ▢ F
28.2 W TW 2700–6500 K	2170 lm	0 4 8 - 2 4 1 2 D 3 ▢ ▢ F

### Mounting accessories

#### TRIMLESS MOUNTING SET

for installation in plasterboard ceilings 12.5/15/25 mm

TYPE	ORDER CODE
flush	0 5 2 - 1 9 2 1 4 4 7
offset 17 mm	0 5 2 - 1 9 3 1 4 4 ▢

#### ROUND MOUNTING SET WITH TRIM

for intermediate ceilings 5–25 mm

TYPE	ORDER CODE
flush	0 5 2 - 1 9 2 2 4 4 ▢
offset 17 mm	0 5 2 - 1 9 3 2 4 4 ▢

#### SQUARE MOUNTING SET WITH TRIM

for intermediate ceilings 5–25 mm

TYPE	ORDER CODE
flush	0 5 2 - 1 9 4 2 4 1 ▢
offset 17 mm	0 5 2 - 1 9 5 2 4 1 ▢

#### CONCRETE MOUNTING HOUSING

for &lt;15 W version

TYPE	L·W·H (mm)	ORDER CODE
exposed concrete ceilings*	229·227·160	0 5 2 - 1 9 1 3 4 1 0
primed concrete ceilings**	ø240·400·130	0 5 2 - 1 9 1 4 4 2 0

\*only for flush mounting \*\*order mounting set separately

### Optical accessories

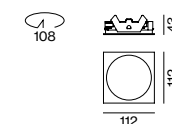
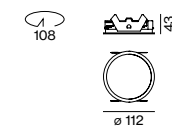
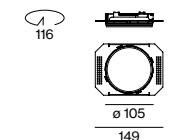
TYPE	ORDER CODE
honeycomb louver	0 4 8 - 2 1 9 1 3 1 ▢
linear prismatic lens	0 4 8 - 2 1 9 2 3 1 ▢
snoot	0 4 8 - 2 1 9 1 1 1 ▢
snoot with honeycomb louver	0 4 8 - 2 1 9 1 2 1 ▢

use only 1 optical accessory

### Electrical accessories

#### THROUGH WIRING CONNECTION BOX

TYPE	L·W·H (mm)	ORDER CODE
non DIM cable ø 4–12 mm	105·58·30	0 0 5 - 2 5 3 1 1 1 0
DALI cable ø 4–12 mm	105·58·30	0 0 5 - 2 5 5 1 1 1 0





**Oberpollinger | The KaDeWe Group**  
Munich, DE – by Licht Kunst Licht AG  
including lighting design





**Oberpollinger | The KaDeWe Group**  
Munich, DE – by Licht Kunst Licht AG  
including lighting design





# Presence as desired

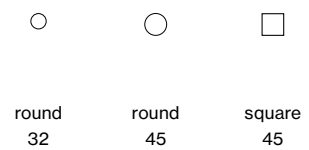


## MOVE IN

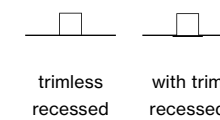
**EN** This luminaire's trump card is mobility. MOVE IN's appearance can be easily adapted without tools at any time because the spots are height-adjustable. New and exciting ceiling pictures are created by combining round or square with flush or protruding spots. The spots are optimally glare-free thanks to the recessed light point plane. MOVE IN flex's spotlight head can be rotated 360° and swivelled 90°. All spots are characterised by an excellent colour rendering value (CRI ≥ 90) and high-quality reflector. The light colours 2700K and 3000K create an atmospheric lighting effect.

**ES** La característica más destacada de esta luminaria es su flexibilidad. MOVE IN permite adaptarse en cualquier momento, ya que la altura de los proyectores puede regularse fácilmente y sin necesidad de herramientas. La combinación de proyectores redondos y cuadrados, situados a ras o salientes, genera patrones de techo únicos que proporcionan efectos cambiantes según las necesidades del cliente y del espacio. El plano de punto de luz retranqueado hace que los proyectores eviten el deslumbramiento. El cabezal del proyector de MOVE IN flex puede girarse 355° e inclinarse 90°. Además, todos los spots se caracterizan por ofrecer un excelente índice de reproducción cromática (CRI ≥ 90) y el reflector de alta calidad. Para lograr un efecto de iluminación ambiental agradable y relajante, la temperatura de color de 3000K puede completarse con la función Colour Warm Dimming opcional.

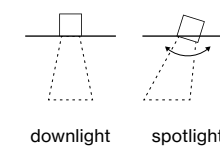
### Types



### Mounting



### Light distributions

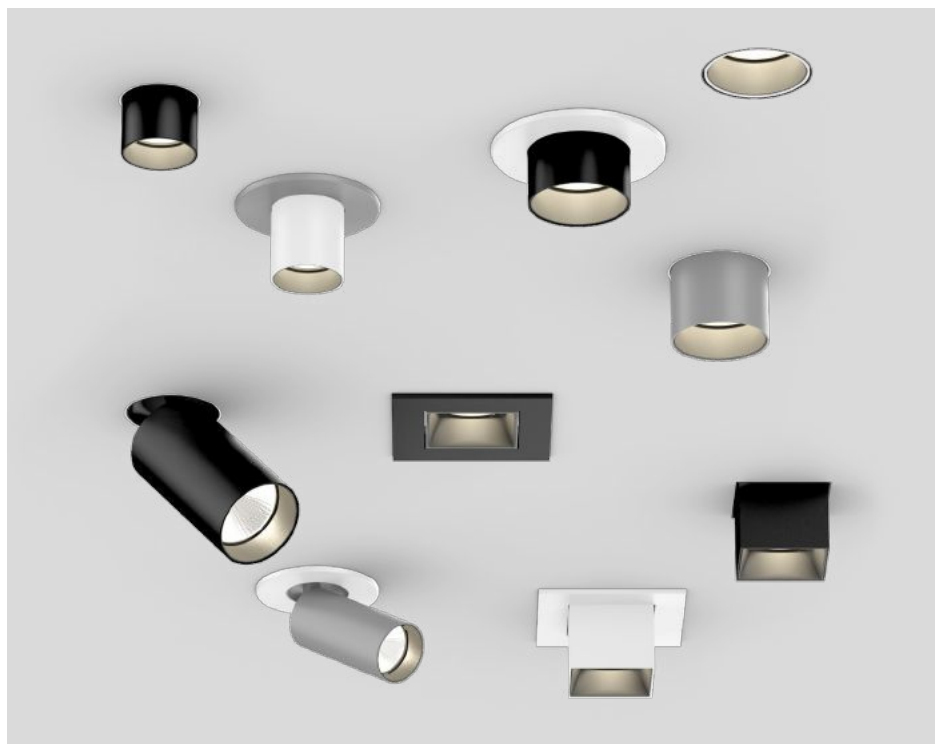




## Variety

**EN** MOVE IN not only provides light, but also designs the ceiling. Round, angular, flush-mounted, and surface-mounted spots can be combined individually and always form new, exciting ceiling arrangements.

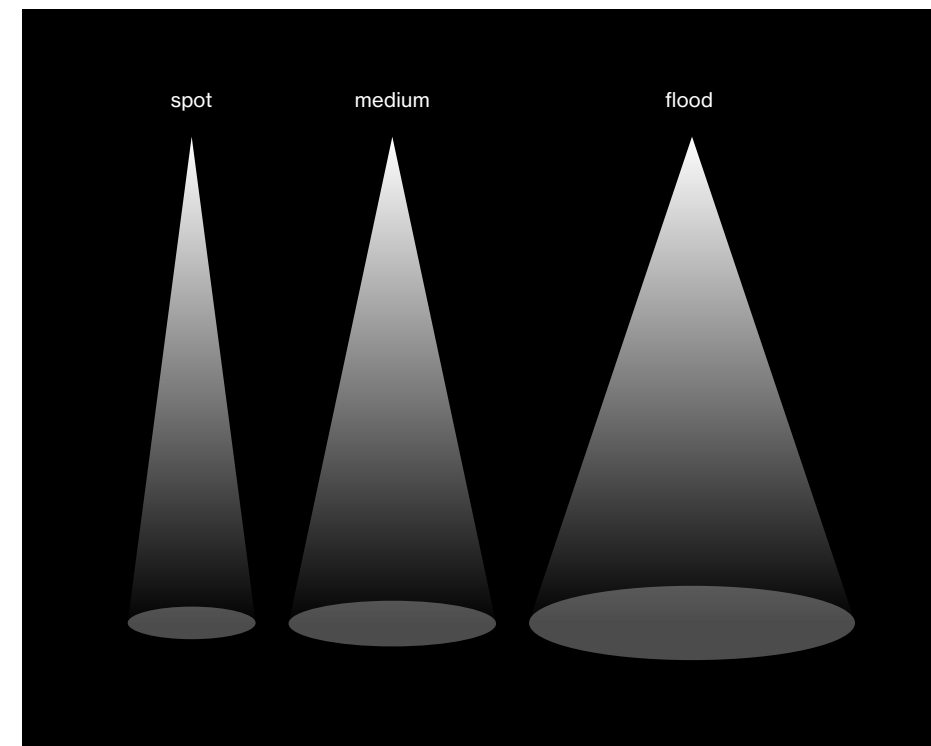
**ES** MOVE IN no sólo proporciona luz, sino que también diseña el techo. Los focos redondos, angulares, empotrados y de superficie pueden combinarse individualmente y formar siempre nuevas y emocionantes imágenes de techo.



## Light distribution

**EN** Thanks to different beam angles, MOVE IN is suitable for different areas of application: from narrow-beam spot for precise and targeted lighting, to medium and flood for accentuated basic brightness.

**ES** Gracias a los diferentes ángulos del haz de luz, MOVE IN es adecuado para diferentes áreas de aplicación: desde el spot de haz estrecho para una iluminación precisa hasta el medio y el flood para una luminosidad básica ó acentuada.



## Glare control & colour rendering

**EN** Thanks to the recessed light spot level, MOVE IN spots provide optimum glare control. As the high-quality reflector optics have very good colour rendering values (CRI ≥ 90), objects are rendered almost true to colour.

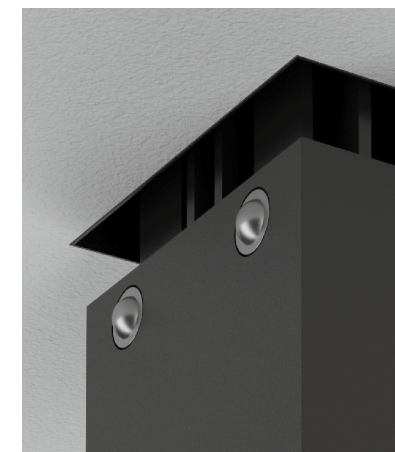
**ES** Gracias al nivel del punto de luz empotrado, los puntos MOVE IN no deslumbran. Dado que el reflector de alta calidad tiene muy buenos valores de reproducción cromática (CRI ≥ 90) Los objetos se reproducen con una alta calidad cromática.



## Precise light adjustment

**EN** MOVE IN flex offers the greatest possible flexibility. The spotlight can not only be rotated 360°, but also swivelled 90°. This allows the light to be directed exactly where it is needed.

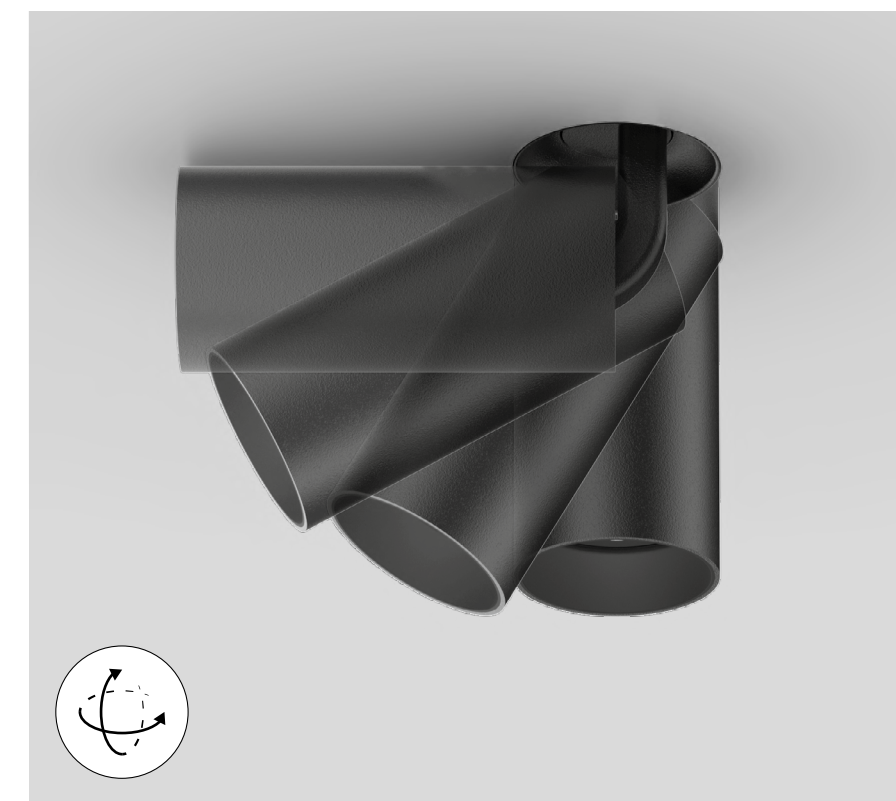
**ES** MOVE IN flex ofrece la mayor flexibilidad posible. El foco no sólo puede girar 360°, sino que también se puede girar 90°. Esto permite dirigir la luz de la luz exactamente al punto en el que se necesita.



## Ball catch system

**EN** Mounting and replacing MOVE IN spots is very easy. The spots are fixed in the system by a ball catch system. This in turn can be installed in three different positions – for flexible adaptation of the lighting to changing requirements and conditions.

**ES** El montaje y la sustitución de los puntos de luz MOVE IN es muy fácil. Los puntos se fijan en el sistema mediante un sistema de encaje de bolas. Éste, a su vez, puede instalarse en tres posiciones diferentes. Para una adaptación flexible de la iluminación a las necesidades y condiciones cambiantes.





back



## MOVE IN round

recessed

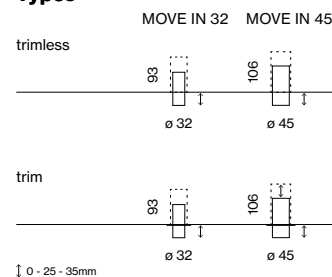
Round spotlight element in aluminium, available in 2 sizes; powder coated; installation without tools in mounting set (trimless or with trim) with ball catch system; special mounting tool for easy installation of the trimless housing available as an accessory; spotlight element height adjustable without tools: flush with the ceiling, or extended 25 mm or 35 mm; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; high-quality, aluminium, vapour deposition coated reflector with faceted design; precise radiation characteristic; good glare reduction due to recessed light point plane; optical attachments as accessories

Proyector de aluminio redondo en 2 tamaños; recubierto de polvo; instalación sin herramientas mediante kit de montaje (con o sin marco) con sistema inserción de bola; herramienta de montaje especial para la sencilla instalación de la carcasa sin bordes disponible como accesorio; proyector altura ajustable sin herramienta: enrasado al techo, sobresaliente 25 mm o 35 mm; Chip on Board que proporciona una máxima eficiencia; sin formación de sombras; LEDs de alta eficiencia que proporcionan una alta reproducción cromática; reflector de alta calidad vaporizado de aluminio con revestimiento de facetas esféricas; característica proyección mediante plano de punto de luz retranqueado; los accesorios ópticos como accesorios

### Quickinfo

2700 K, 3000 K  
CRI ≥ 90, 3 SDCM  
MOVE IN 32 up to 86 lm/W  
MOVE IN 45 up to 95 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2

### Types



### Inset colours



### Housing colours



### Light distributions



### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5

INSET COLOUR	
<input type="radio"/> traffic white RAL 9016	7
<input checked="" type="radio"/> jet black RAL 9005	8

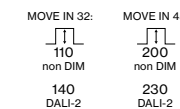
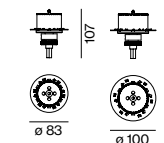
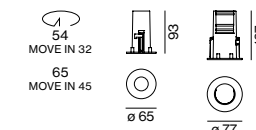
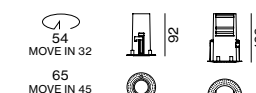
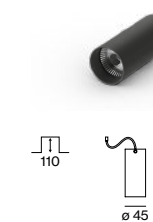
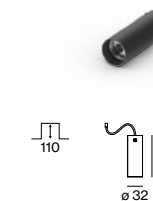
HOUSING COLOUR	
<input type="radio"/> traffic white RAL 9016	7
<input checked="" type="radio"/> silver-grey	G
<input type="radio"/> jet black RAL 9005	8

BEAM ANGLE	
MOVE IN 32 / 45	▲
spot 18° / 14°	S
medium 23° / 24°	M
flood 37° / 39°	F

### Options on request

MOUNTING HOUSING	
special colours	

POWER SUPPLY	
DIM 1-10V	



### MOVE IN 32 round



SPOTLIGHT incl. connection cable 600 mm

INSET POWER	LUMINOUS FLUX	ORDER CODE
8.8 W 36 Vf 250 mA	755 lm	063-81111::1▲

### MOVE IN 45 round



SPOTLIGHT incl. connection cable 600 mm

INSET POWER	LUMINOUS FLUX	ORDER CODE
12.8 W 37 Vf 350 mA	spot 1010 lm	063-81212::1▲S
13.5 W 36 Vf 400 mA	1280 lm	063-81212::1▲

### Mounting accessories

MOUNTING HOUSING TRIMLESS  
for installation in plasterboard ceilings 9-25 mm

TYPE	Ø-H (mm)	ORDER CODE
MOVE IN 32	63-93	063-8821117
MOVE IN 45	75-106	063-8821217

MOUNTING HOUSING WITH TRIM  
for installation in ceilings from 2-25 mm

TYPE	Ø-H (mm)	ORDER CODE
MOVE IN 32	65-93	063-8821111■
MOVE IN 45	77-107	063-8822111■

### SPECIAL MOUNTING TOOL

TYPE	Ø-H (mm)	ORDER CODE
MOVE IN 32	83-9	063-89111110
MOVE IN 45	100-9	063-89121110

necessary to install mounting housing trimless

### Electrical accessories

POWER SUPPLY 220-240 V AC, 50-60 Hz, □ PC II

TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
250 mA   non DIM	η 80 %	65-39-20	002-90742
250 mA   DALI-2	η 82 %	147-33-23	002-90743
350 mA   non DIM	η 85 %	180-30-21	002-90722
350 mA   DALI-2	η 83 %	210-30-21	002-90723
400 mA   non DIM	η 88 %	180-30-21	002-90724
400 mA   DALI-2	η 84 %	210-30-21	002-90725

MOVE IN 32 trimless revision opening required

### DIN RAIL COMPONENTS

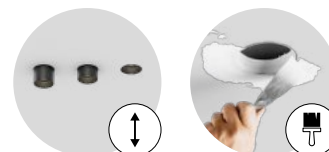
TYPE	W-H-D (mm)	ORDER CODE
POWER SUPPLY 220-240 V AC	90-90-60	005-6520210
96 W   48 V DC constant voltage		
LED DRIVER DALI-2 DT6 1-2 addr.	36-88-59	005-6121030
200-1050 mA settable const. current		
2 × 42 W   48 V DC   U <sub>OUT</sub> 10-40 V		

for more details and components see page Seite 981

### Optical accessories

#### HONEYCOMB LOUVER

TYPE	Ø-H (mm)	ORDER CODE
MOVE IN 32	30-3	007-1965168
MOVE IN 45	42-3	007-1965188



tool-free height adjustment

trimless installation in plasterboard

INSET POWER is the current consumption excluding any ballast  
LUMINOUS FLUX value calculated for 3000 K, CRI ≥ 90, colour white, reflector flood 2700 K -6%



← back



## MOVE IN flex

recessed

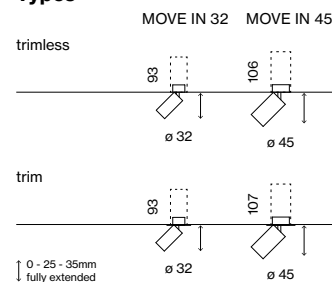
EN Round spotlight element in aluminium, available in 2 sizes; powder coated; installation without tools in mounting set (trimless or with trim) with ball catch system; special mounting tool for easy installation of the trimless housing available as an accessory; spotlight element height adjustable without tools: flush with the ceiling, or extended 25 mm or 35 mm; spotlight head rotates 360° and tilts 90°; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; high-quality, aluminium, vapour deposition coated reflector with faceted design; precise radiation characteristic; good glare reduction due to recessed light point plane; optical attachments as accessories

ES Proyector de aluminio redondo en 2 tamaños; recubierto de polvo; instalación sin herramientas mediante kit de montaje (con o sin marco) con sistema inserción de bola; herramienta de montaje especial para la sencilla instalación de la carcasa sin bordes disponible como accesorio; proyector altura ajustable sin herramienta: enrasado al techo, sobresaliente 25 mm o 35 mm; cabezal de proyector giratorio de 360° y orientable 90°; Chip on Board que proporciona una máxima eficiencia; sin formación de sombras; LEDs de alta eficiencia que proporcionan una alta reproducción cromática; reflector de alta calidad vaporizado de aluminio con revestimiento de facetas esféricas; característica proyección precisa; buen control del deslumbramiento mediante plano de punto de luz retransmitido; los accesorios ópticos como accesorios

### Quickinfo

2700 K, 3000 K  
CRI ≥ 90, 3 SDCM  
MOVE IN 32 up to 86 lm/W  
MOVE IN 45 up to 95 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2

### Types



### Inset colours



### Housing colours



### Light distributions



### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5

INSET COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	8

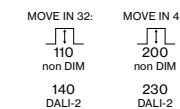
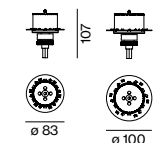
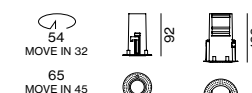
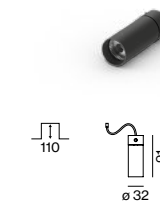
HOUSING COLOUR	
○ traffic white RAL 9016	7
● silver-grey	G
● jet black RAL 9005	8

BEAM ANGLE	
MOVE IN 32 / 45	▲
spot 18° / 14°	S
medium 23° / 24°	M
flood 37° / 39°	F

### Options on request

MOUNTING HOUSING	
special colours	

POWER SUPPLY	
DIM 1-10V	



### MOVE IN 32 flex



SPOTLIGHT incl. connection cable 600 mm

INSET POWER	LUMINOUS FLUX	ORDER CODE
8.8 W 36 Vf 250 mA	755 lm	063-82111

### MOVE IN 45 flex



SPOTLIGHT incl. connection cable 600 mm

INSET POWER	LUMINOUS FLUX	ORDER CODE
12.8 W 37 Vf 350 mA	spot 1010 lm	063-82211
13.5 W 36 Vf 400 mA	1280 lm	063-82211

### Mounting accessories

MOUNTING HOUSING TRIMLESS  
for installation in plasterboard ceilings 9-25 mm

TYPE	Ø-H (mm)	ORDER CODE
MOVE IN 32	63-93	063-8811117
MOVE IN 45	75-106	063-8812117

MOUNTING HOUSING WITH TRIM  
for installation in ceilings from 2-25 mm

TYPE	Ø-H (mm)	ORDER CODE
MOVE IN 32	65-93	063-8821111
MOVE IN 45	77-107	063-8822111

### SPECIAL MOUNTING TOOL

TYPE	Ø-H (mm)	ORDER CODE
MOVE IN 32	83-9	063-89111110
MOVE IN 45	100-9	063-89121110

necessary to install mounting housing trimless

### Electrical accessories

POWER SUPPLY 220-240 V AC, 50-60 Hz, PC II

TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
250 mA   non DIM	η 80 %	65-39-20	002-90742
250 mA   DALI-2	η 82 %	147-33-23	002-90743
350 mA   non DIM	η 85 %	180-30-21	002-90722
350 mA   DALI-2	η 83 %	210-30-21	002-90723
400 mA   non DIM	η 88 %	180-30-21	002-90724
400 mA   DALI-2	η 84 %	210-30-21	002-90725

MOVE IN 32 trimless revision opening required

### DIN RAIL COMPONENTS

TYPE	W-H-D (mm)	ORDER CODE
POWER SUPPLY 220-240 V AC	90-90-60	005-6520210
96 W   48 V DC constant voltage		
LED DRIVER DALI-2 DT6 1-2 addr.	36-88-59	005-6121030
200-1050 mA settable const. current		
2 × 42 W   48 V DC   U <sub>OUT</sub> 10-40 V		

for more details and components see page Seite 981

### Optical accessories

TYPE	Ø-H (mm)	ORDER CODE
MOVE IN flex 32	30-3	007-1965168
MOVE IN flex 45	42-3	007-1965188

INSET POWER is the current consumption excluding any ballast  
LUMINOUS FLUX value calculated for 3000 K, CRI ≥ 90, colour white, reflector flood 2700 K -6 %



**Hargassner Energy World** Linz, AT –  
by architekten berger.hofmann og & tech3  
Projektentwicklung GmbH with lighting design  
by AREA C.I.DESIGN GmbH





back



## MOVE IN 45 square

recessed

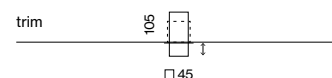
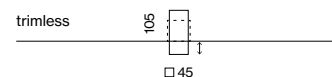
**EN** Square spotlight element in aluminium; powder coated; installation without tools in mounting set (trimless or with trim) with ball catch system; special mounting tool for easy installation of the trimless housing available as an accessory; spotlight element height adjustable without tools: flush with the ceiling, or extended 25 mm or 35 mm; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; high-quality, aluminium, vapour deposition coated reflector with faceted design; precise radiation characteristic; good glare reduction due to recessed light point plane; optical attachments as accessories

**ES** Proyector de aluminio en forma cuadrada; recubierto de polvo; instalación sin herramientas mediante kit de montaje (con o sin marco) con sistema inserción de bola; herramienta de montaje especial para la sencilla instalación de la carcasa sin bordes disponible como accesorio; proyector altura ajustable sin herramienta: enrasado al techo, sobresaliente 25 mm o 35 mm; Chip on Board que proporciona una máxima eficiencia; sin formación de sombras; LEDs de alta eficiencia que proporcionan una alta reproducción cromática; reflector de alta calidad vaporizado de aluminio con revestimiento de facetas esféricas; característica proyección mediante plano de punto de luz retranqueado; los accesorios ópticos como accesorios

### Quickinfo

2700 K, 3000 K  
CRI ≥ 90, 3 SDCM  
up to 95 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2

### Types



### Inset colours



### Housing colours



### Light distributions



### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5

INSET COLOUR	
<input type="radio"/> traffic white RAL 9016	7
<input checked="" type="radio"/> jet black RAL 9005	8

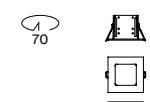
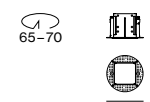
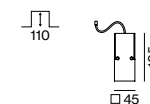
HOUSING COLOUR	
<input type="radio"/> traffic white RAL 9016	7
<input checked="" type="radio"/> silver-grey	G
<input checked="" type="radio"/> jet black RAL 9005	8

BEAM ANGLE	
spot 14°	S
medium 24°	M
flood 39°	F

### Options on request

MOUNTING HOUSING	
special colours	

POWER SUPPLY	
DIM 1-10V	



### MOVE IN 45 square



**SPOTLIGHT** incl. connection cable 600 mm

INSET POWER	LUMINOUS FLUX	ORDER CODE
12.8 W 37 Vf 350 mA	spot 1010 lm	0 6 3 - 8 4 2 1 :: 1 <input checked="" type="checkbox"/> S
13.5 W 36 Vf 400 mA	1280 lm	0 6 3 - 8 4 2 1 :: 1 <input checked="" type="checkbox"/> A

### Mounting accessories

**MOUNTING HOUSING TRIMLESS**  
for installation in plasterboard ceilings 9-25 mm

TYPE	Ø-H (mm)	ORDER CODE
MOVE IN 45	80-54	0 6 3 - 8 8 3 2 1 1 7

**MOUNTING HOUSING WITH TRIM**  
for installation in ceilings from 2-25 mm

TYPE	L-W-H (mm)	ORDER CODE
MOVE IN 45	78-78-55	0 6 3 - 8 8 4 2 1 1 <input checked="" type="checkbox"/>

### SPECIAL MOUNTING TOOL

TYPE	Ø-H (mm)	ORDER CODE
MOVE IN 45	100-9	0 6 3 - 8 9 1 2 1 1 0

necessary to install mounting housing trimless

### Electrical accessories

**POWER SUPPLY** 220-240 V AC, 50-60 Hz,  PC II

TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
350 mA   non DIM	η 85 %	180-30-21	0 0 2 - 9 0 7 2 2
350 mA   DALI-2	η 83 %	210-30-21	0 0 2 - 9 0 7 2 3
400 mA   non DIM	η 88 %	180-30-21	0 0 2 - 9 0 7 2 4
400 mA   DALI-2	η 84 %	210-30-21	0 0 2 - 9 0 7 2 5

### DIN RAIL COMPONENTS

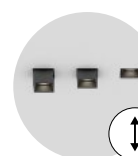
TYPE	W-H-D (mm)	ORDER CODE
POWER SUPPLY 220-240 V AC 96 W   48V DC constant voltage	90-90-60	0 0 5 - 6 5 2 0 2 1 0
LED DRIVER DALI-2 DT6 1-2 addr. 200-1050 mA settable const. current 2 × 42 W   48 V DC   U <sub>OUT</sub> 10-40 V	36-88-59	0 0 5 - 6 1 2 1 0 3 0

for more details and components see page Seite 981

### Optical accessories

#### HONEYCOMB LOUVER

TYPE	Ø-H (mm)	ORDER CODE
MOVE IN 45	42-3	0 0 7 - 1 9 6 5 1 8 8



tool-free height adjustment



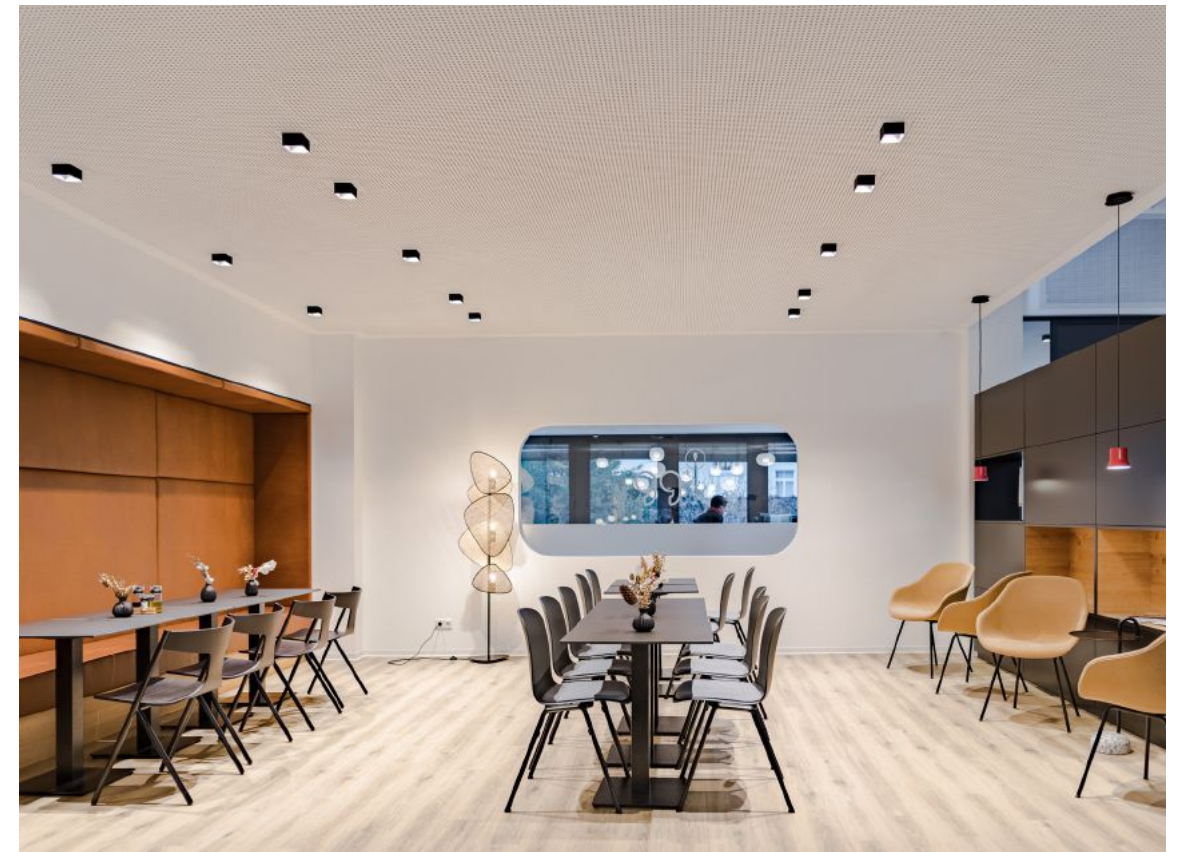
trimless installation in plasterboard

**INSET POWER** is the current consumption excluding any ballast  
**LUMINOUS FLUX** value calculated for 3000 K, CRI ≥ 90, colour white, reflector flood 2700 K -6 %



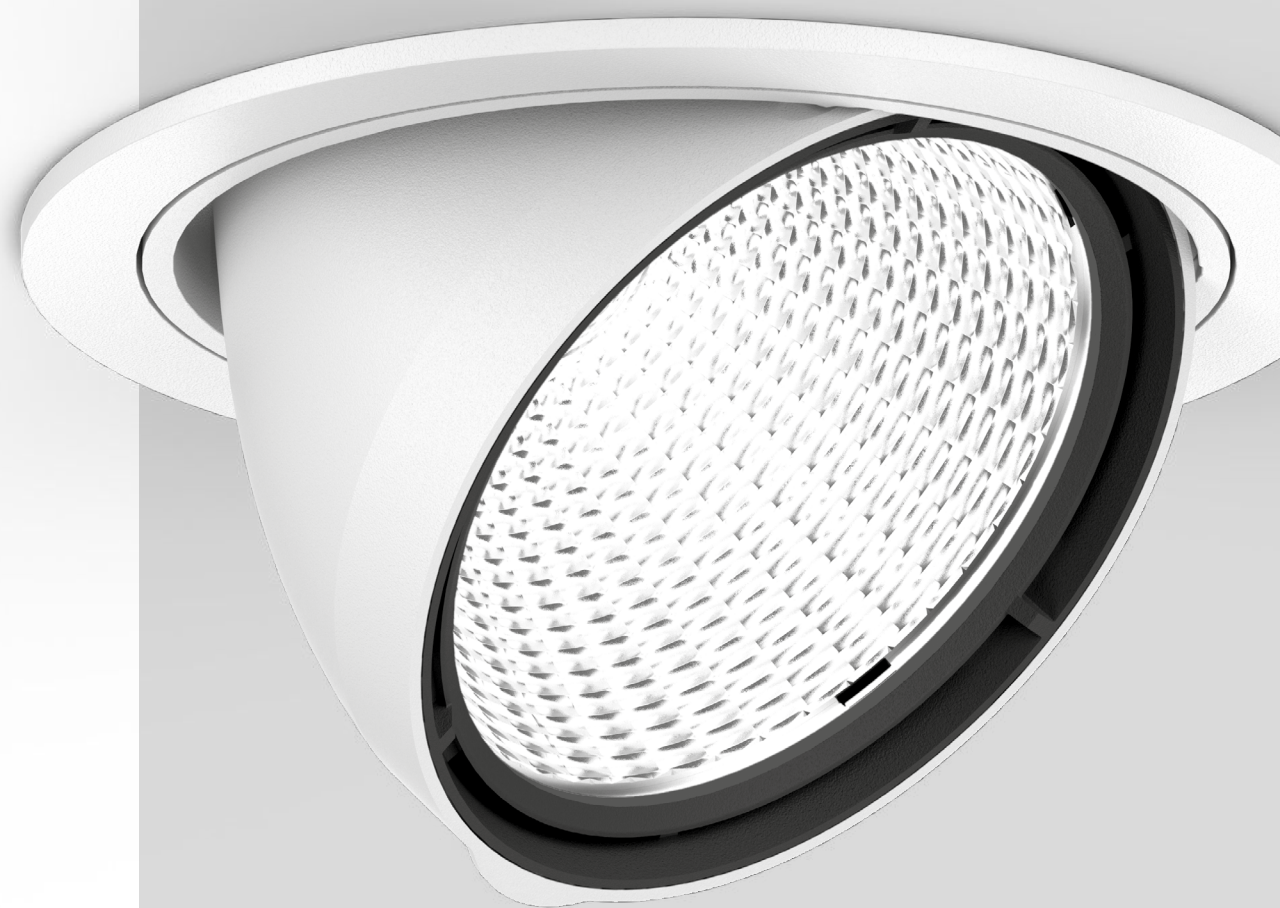


Lampenwelt GmbH Schlitz, DE –  
lighting design by Lampenwelt GmbH





# Add a little twist

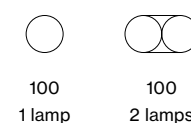


## TWIST

**EN** A round recessed spotlight, ideal for retail. TWIST can be completely recessed into the ceiling or swivelled out and aligned, either bringing it to the fore or making it take a step back. Thanks to its 360° rotation and 45° tilt, it is highly flexible and adapts to evolving conditions in shops. The high-quality reflector produces precise beam characteristics with three different beam angles. TWIST is simply mounted without tools using a ball catch system. Excellent colour rendering value (CRI ≥ 90) at 2700K, 3000K, or 4000K ensures outstanding product presentation.

**ES** Proyector empotrable ideal para el comercio. TWIST puede ser visible o mantenerse en segundo plano: este proyector puede ocultarse por completo en el techo o extraerse hacia fuera y orientarse según las preferencias. Sus posibilidades de giro a 360° y de inclinación a 45° hacen que sea extremadamente flexible y se adapte perfectamente a nuevas necesidades en tiendas. El reflector de alta calidad hace posible una proyección precisa con tres ángulos de apertura distintos. TWIST se monta fácilmente sin herramientas mediante un cierre a presión. Un elevado índice de reproducción cromática (CRI ≥ 90) a 2700K, 3000K o 4000K garantiza una excelente calidad cromática.

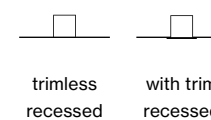
### Types



100  
1 lamp

100  
2 lamps

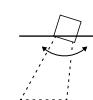
### Mountings



trimless  
recessed

with trim  
recessed

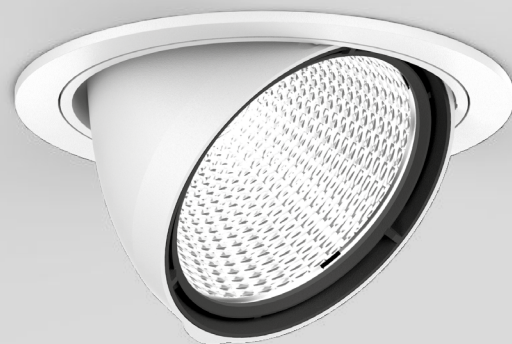
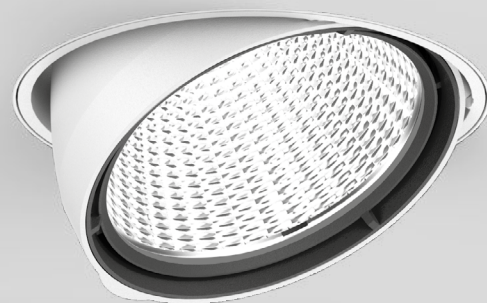
### Light distribution



spotlight



← back



## TWIST 100

recessed




**EN** Round recessed spotlight in die-cast aluminium; powder coated; installation without tools in mounting set (trimless or with trim) with ball catch system; 360° rotatable and 45° tiltable outward; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; high quality reflector with spherical facet finish; precise radiation characteristic; optical attachments as accessories; optical attachments can be combined

**ES** Proyector empotrable redondo de inyección en aluminio; recubierto de polvo; instalación sin herramientas mediante kit de montaje (con o sin marco) con sistema inserción de bola; giratorio 360° y orientable 45°; Chip on Board que proporciona una máxima eficiencia; sin formación de sombras; LEDs de alta eficiencia que proporcionan una alta reproducción cromática; reflector alta calidad con óptica de bisel esférica; característica proyección precisa; los accesorios ópticos como accesorios; accesorios ópticos combinables entre sí

### Quickinfo

3000K, 4000K  
CRI ≥ 90, 3 SDCM  
up to 96lm/W  
L80 @ 50 000h  
non DIM, DALI-2

### Types

trim		99
	ø 118	
trimless		88
	ø 105	
double trim		88
	218x118	

### Colours



### Light distributions



### Order options

<b>COLOUR TEMPERATURE</b>	☐☐
3000K	5
4000K	6

### CONTROL

non DIM  
DALI-2

### INSET COLOUR

☐ traffic white RAL 9016 (UGR ≤ 22)	7
● jet black RAL 9005 (UGR ≤ 16)	8

### BEAM ANGLE

spot 17°	S
medium 28°	M
flood 38°	F

### Options on request

#### COLOUR TEMPERATURE

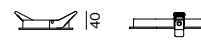
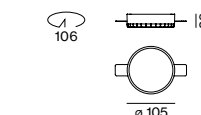
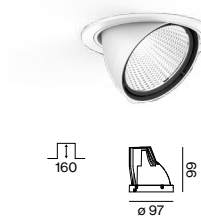
2700K

#### INSET COLOUR

● grey aluminium RAL 9007

#### MOUNTING SET COLOUR

● grey aluminium RAL 9007



### TWIST 100 recessed



#### SPOTLIGHT ADJUSTABLE

<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
34 W	3250 lm	048-1120::1▲

### Mounting accessories

#### TRIMLESS MOUNTING SET

for installation in plasterboard ceilings 12.5/15/25mm

<b>COLOUR</b>	<b>ORDER CODE</b>
☐ traffic white RAL 9016	048-2796117

#### MOUNTING SET WITH TRIM for intermediate ceilings 2-25mm

<b>TYPE</b>	<b>COLOUR</b>	<b>ORDER CODE</b>
1 lamp	☐ traffic white RAL9016	048-2796317
	● jet black RAL 9005	048-2796318
2 lamps*	☐ traffic white RAL9016	048-2798317
	● jet black RAL 9005	048-2798318

\*do not use in combination with optical accessories

### Electrical accessories

#### POWER SUPPLY 220-240V AC, 50-60Hz, PC II

<b>TYPE</b>	<b>EFFICIENCY</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
950 mA   non DIM	η 89 %	136-43-30	002-90781
950 mA   DALI-2	η 85 %	143-43-30	002-90782

#### THROUGH WIRING CONNECTION BOX

<b>TYPE</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
non DIM cable ø 4-12mm	105-58-30	005-2531110
DALI cable ø 4-12mm	105-58-30	005-2551110

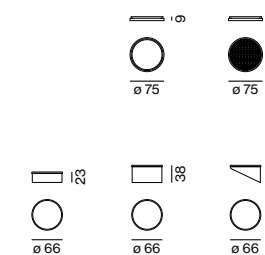
### Optical accessories

#### LENS AND HONEYCOMB LOUVER

<b>TYPE</b>	<b>Ø-H (mm)</b>	<b>ORDER CODE</b>
linear prismatic lens	75-9	080-6402110P
honeycomb louver	75-9	080-6401118

#### SNOOT

<b>TYPE</b>	<b>Ø-H (mm)</b>	<b>ORDER CODE</b>
short	66-23	080-6403118
medium	66-38	080-6403218
angle	66-38	080-6403318



2 lamps mounting set

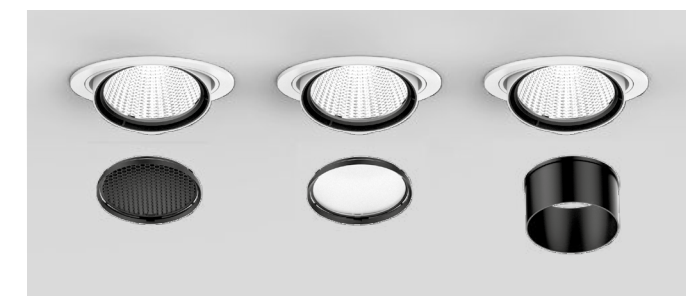


combine 2 optical accessories



360° rotatable, 45° tiltable

**INSET POWER** is the current consumption excluding any ballast  
**LUMINOUS FLUX** value calculated for 4000K, CRI ≥ 90, colour white, reflector medium 3000K -7%



use only one optical accessory





**Kastner & Öhler, Kaufhaus Tyrol Innsbruck, AT –**  
by DIOMA AG / WHIR3 / K&Ö Bauabteilung with  
lighting design by VEDDER.LICHTMANAGEMENT





# Always and anywhere

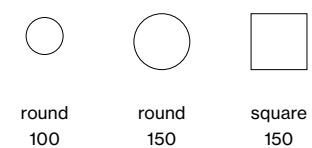


## SPADO

**EN** One design, two strengths. SPADO's version with a symmetrical beam is used as a downlight. The version with an asymmetrical beam shines as a wallwasher. The recessed light plane creates a discreet overall impression. It makes the chrome-polished reflector, despite its intense illumination and good colour rendering ( $CRI \geq 80$ ), outstandingly glare-free and screen-friendly. SPADO spotlights are simply mounted without tools and are also suitable for wet rooms with its IP44 protection class. For the light colours, you can choose between 2700K, 3000K or 4000K.

**ES** Un diseño, dos aplicaciones. SPADO se puede utilizar como downlight en su variante de proyección simétrica, a la vez que su variante de proyección asimétrica es un bañador de pared. Al ser un aparato empotrado ofrece una impresión general discreta y su reflector cromado, al contrario de lo que se podría pensar teniendo en cuenta sus altísimas prestaciones y gran reproducción cromática ( $CRI > 80$ ) ofrece un deslumbramiento nulo. Los SPADO se montan fácilmente sin herramientas y son aptos para salas en las que es necesaria protección contra polvo y entrada de agua en las luminarias gracias a su grado de protección IP44. En cuanto a temperatura de color, se puede elegir entre 2700K, 3000K o 4000K.

### Types



round  
100

round  
150

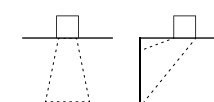
square  
150

### Mounting



trim  
recessed

### Light distributions



downlight

asymmetric



← back



## SPADO 100/150

recessed

**EN** Round or square luminaire housing in die-cast aluminium; with trim; suitable for ceiling thickness of 2-25mm; surface powder coated; installation without tools using snap spring closure; reflector made of polycarbonate, polished chrome; choice of symmetric or asymmetric (only SPADO 150 round trim) radiation characteristic; lighting level recessed; energy-efficient LEDs with very good colour rendering; external converter for ceiling insertion, for through-wiring suitable; operating device suitable for use with a central battery system

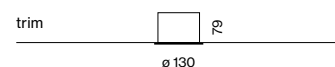
**ES** Cuerpo de lámpara redondo o cuadrado de fundición de aluminio; con marco; para instalación en techos de 2-25 mm de grosor; superficie con recubrimiento de pintura en polvo; sencilla instalación sin herramientas mediante un enganche elástico; reflector de policarbonato, acabado en cromo pulido; opcionalmente con característica de emisión simétrica o asimétrica (solo SPADO 150 round trim); lámpara retrasada; LEDs de alta eficiencia que proporcionan una alta reproducción cromática; convertidor externo para inserción en el techo, cableado continuo apropiado; unidad de control apropiada para el funcionamiento en un sistema de batería central

### Quickinfo

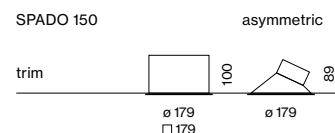
3000K, 4000K  
CRI ≥ 80, 3 SDCM  
up to 118lm/W  
L90 @ 50 000h  
non DIM, DALI-2  
↓ IP44/↑ IP20

### Types

SPADO 100



SPADO 150



### Colours



### Light distributions



### Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	8

### Options on request

COLOUR TEMPERATURE
2700K

### MOUNTING SET

acoustic soft ceilings  
only for SPADO 100 round trim



DiiA® standards  
251, 252, 253

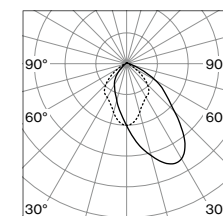


glare control  
(UGR ≤ 19)



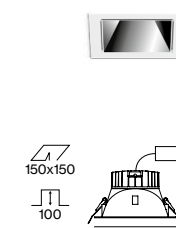
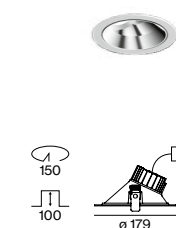
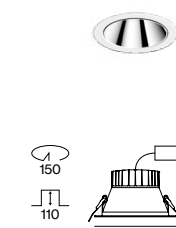
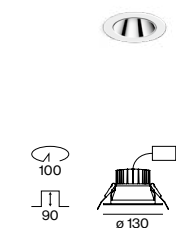
splash water  
protection (IP44)

### Light distribution



SPADO 150 asymmetric

**LUMINOUS FLUX** value calculated for 4000K, colour white, reflector chrome 3000K -5%



### SPADO 100 round trim



DOWNLIGHT (↓ IP44/↑ IP20)

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
9.3W	990lm	049-31111

### SPADO 150 round trim



DOWNLIGHT (↓ IP44/↑ IP20)

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
16.4W UGR ≤ 19	2350lm	049-3121
27.5W	3130lm	049-3123

### SPADO 150 round trim



WALLWASHER ASYMMETRIC (↓ IP44/↑ IP20)

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
10.7W	944lm	049-3122

### SPADO 150 square trim



DOWNLIGHT (↓ IP44/↑ IP20)

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
16.4W UGR ≤ 19	2380lm	049-3151
27.5W	3170lm	049-3152

### Mounting accessories

#### EXPOSED CONCRETE CEILINGS

TYPE	L-W-H (mm)	ORDER CODE
SPADO 150 round	295-295-160	049-3191210
SPADO 150 square	400-260-160	049-3192210

#### PRIMED CONCRETE CEILINGS

TYPE	Ø-H (mm)	ORDER CODE
SPADO 150 round/square	307-170	049-3191410



**moovel group**  
Stuttgart, DE –  
by FURCH GESTALTUNG +  
PRODUKTION GMBH



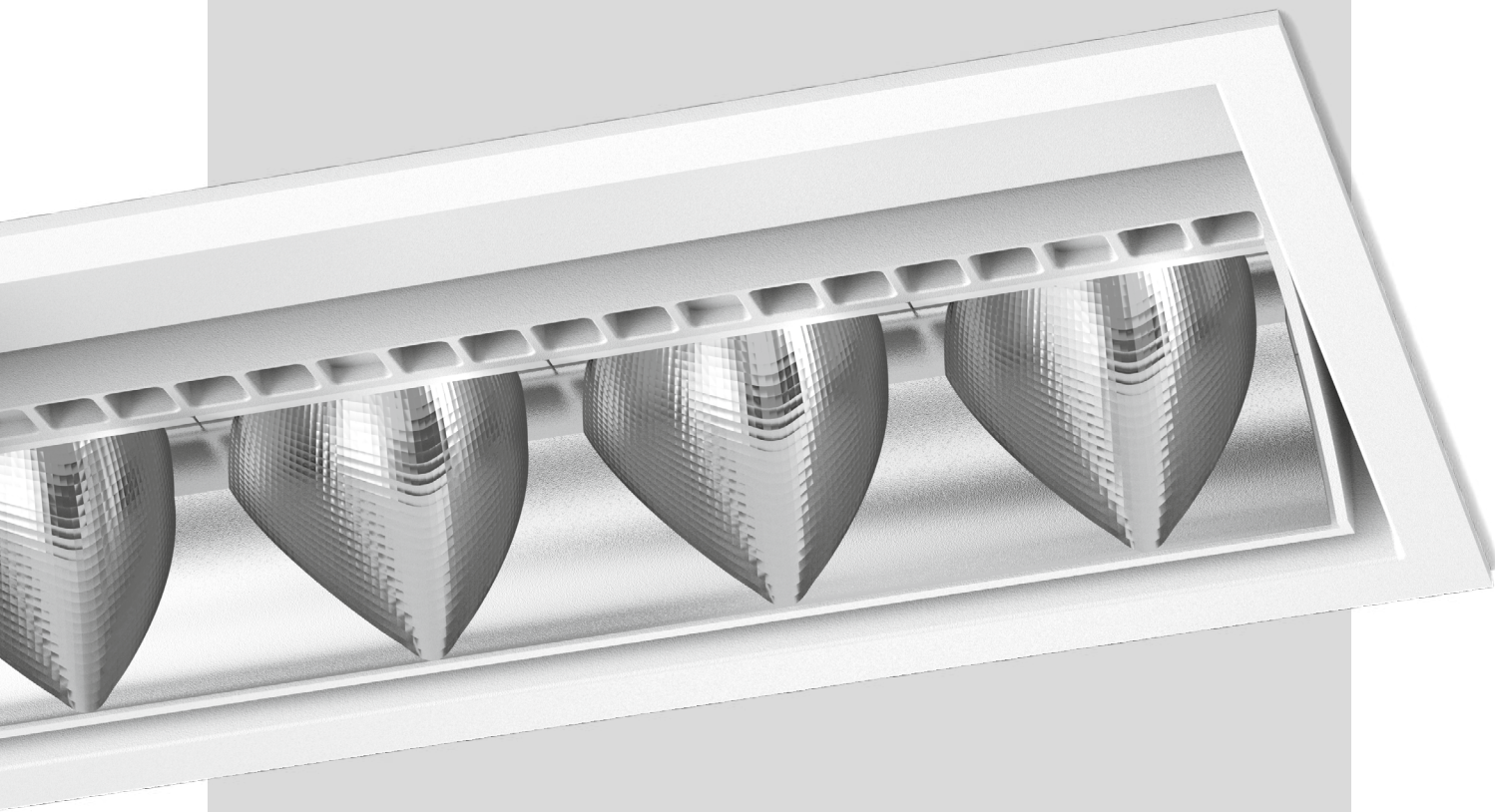


**Sparkasse**  
Rüsselsheim, DE –  
by Zaeske und Partner  
Architekten BDA





# High-precision shelf lighting



## SQUADRO

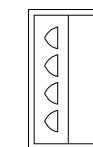
**EN** SQUADRO is a track-mounted and recessed spotlight for the retail sector that bundles six essential retail requirements in one luminaire. Free-form reflectors with faceted optics make a polished presentation of goods possible. These reflectors direct the light precisely into shelves or aisle zones. Directed light creates a modelling effect on the products and delivers attractive staging. Swivelling light modules illuminate specific shelf levels or billboards while providing plenty of basic lighting. SQUADRO spotlights are completely glare-free, both transversely and longitudinally. They are highly efficient in their energy balance with an efficiency of over 90%.

**ES** SQUADRO es un downlight empotrable y proyector de carril para el comercio que proporciona seis soluciones técnicas distintas en una sola luminaria. La presentación brillante de artículos se consigue mediante reflectores de superficie sofisticados con óptica facetada: estos dirigen la luz con gran precisión a los estantes y zonas de paso. La luz dirigida crea un efecto de modelado en los artículos, lográndose así una atractiva puesta en escena. Unos módulos de luz orientables iluminan con precisión niveles de estantes o paredes de carteles, a la vez que ofrecen iluminación general. Los proyectores SQUADRO están completamente exentos de deslumbramiento transversal y longitudinal, siendo además ultraeficientes en su balance energético con un rendimiento superior al 90%.

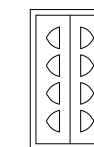
### Types



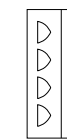
single-sided  
1x2



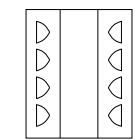
single-sided  
1x4



double-sided  
2x4



single-sided  
1x4



double-sided  
2x4

### Mountings

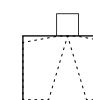


recessed

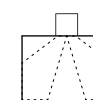


track

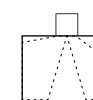
### Light distributions



wall floor



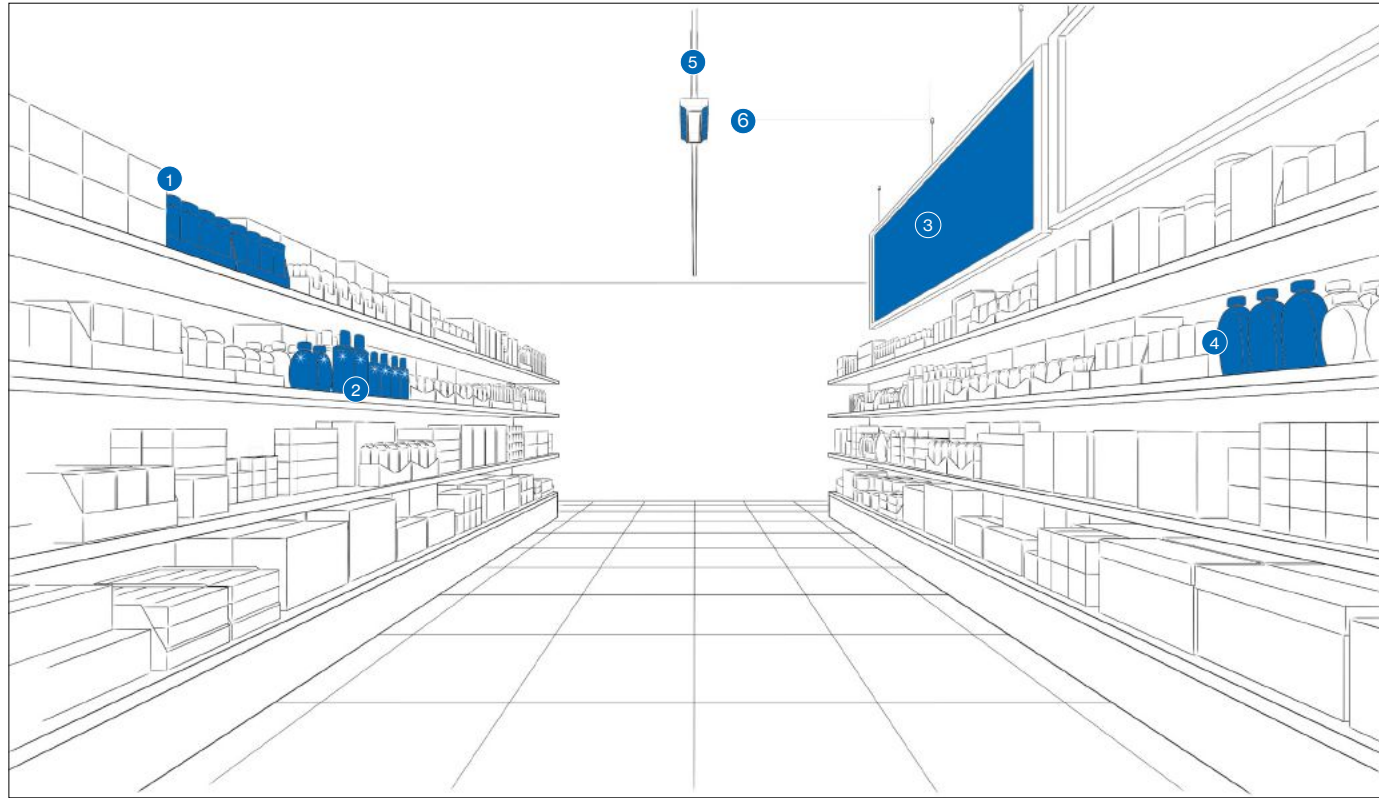
shelf floor



wall/shelf  
floor



## 6-in-1 Lighting solution



**EN** SQUADRO combines all the advantages of traditional retail lighting solutions in one luminaire. The spotlights are transversely and longitudinally glare-free and direct the light precisely onto the goods – into the heights and depths of the shelves. This achieves a strong product presentation. Thanks to proper light distribution, no additional light source is required for basic lighting.

**ES** SQUADRO combina todas las ventajas de las soluciones de iluminación clásicas para tiendas en una sola luminaria. Los proyectores exentos de deslumbramiento transversal y longitudinal dirigen la luz a los artículos, abarcando toda la altura y profundidad de las estanterías. Esto garantiza una presentación de productos eficaz. Su óptima distribución luminosa permite renunciar al uso de fuentes de luz adicionales para la iluminación general.

**1 EN** The highest illuminance is on the upper two presentation levels.

**ES** La máxima intensidad luminosa se obtiene en los dos planos de presentación superiores.

**2 EN** Highlights on premium goods create a brilliant staging.

**ES** Ópticas de una altísima calidad lumínica dan vida a toda la estantería.

**3 EN** Directed light creates accents on billboards and subjects.

**ES** Una luz bien dirigida crea acentos en paneles publicitarios y reclamos.

**4 EN** The high depth effect gives food high colour contrasts and attractiveness.

**ES** El gran efecto de profundidad dota a los alimentos de contrastes de color elevados y zonas puntuales de mayor brillo.

**5 EN** Due to longitudinal glare control, the lighting system is barely perceptible to the customer in the direction of the aisle.

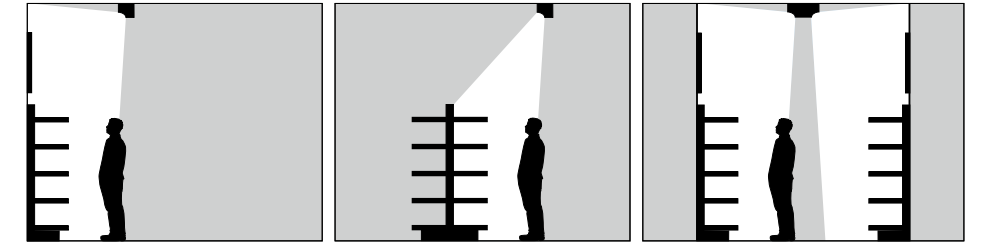
**ES** Ausencia de deslumbramiento = Comfort visual para el cliente.

**6 EN** Transverse glare control additionally prevents glare from any viewing direction.

**ES** Además, la exención de deslumbramiento transversal impide que el cliente se deslumbe desde cualquier dirección.

## Five versions

**EN** SQUADRO's five variants with diverse beam characteristics respond to different shop layouts and requirements. Perfect alignment ensures that minimal luminaires radiate as much light as possible onto the merchandise. SQUADRO adapts to the conditions and illuminates selectively and without scatter loss. All goods are thus attractively presented regardless of the size or interior design of the shop.

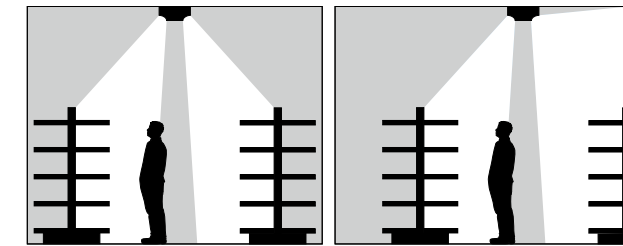


Wall Floor (single-side)

Shelf Floor (single-side)

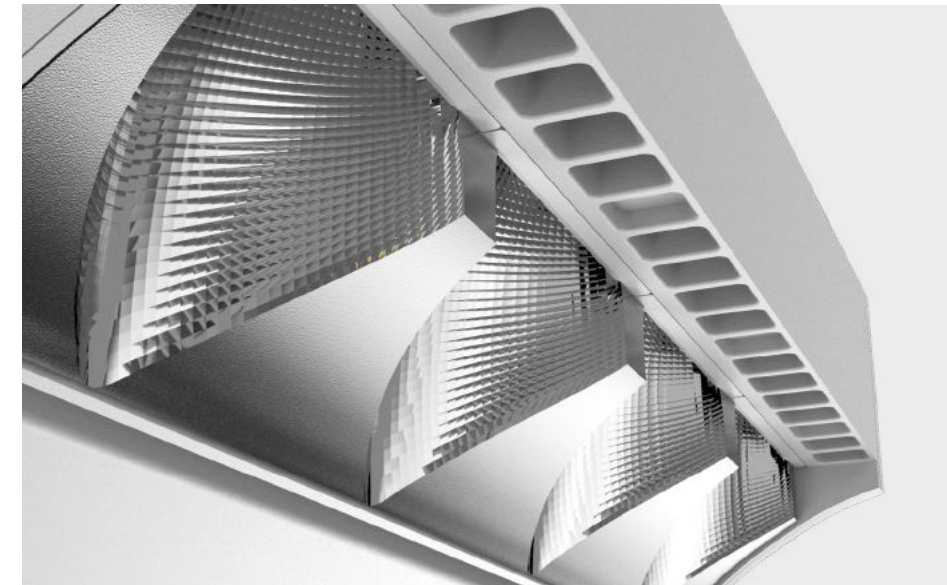
Wall Floor (double-side)

**ES** SQUADRO se adapta a los diversos requisitos y distribuciones de las tiendas con sus cinco variantes dotadas de distintos modos de proyección. La orientación perfecta garantiza que un pequeño número de luminarias puedan proyectar la máxima luz posible sobre los artículos. SQUADRO se adapta a las necesidades específicas del espacio, ofreciendo una iluminación puntual y sin pérdidas por dispersión. Así, todos los artículos pueden presentarse de un modo atractivo, independientemente del tamaño o de la arquitectura interior de la tienda.



Shelf Floor (double-side)

Shelf / Wall Floor



## Unique reflector technology

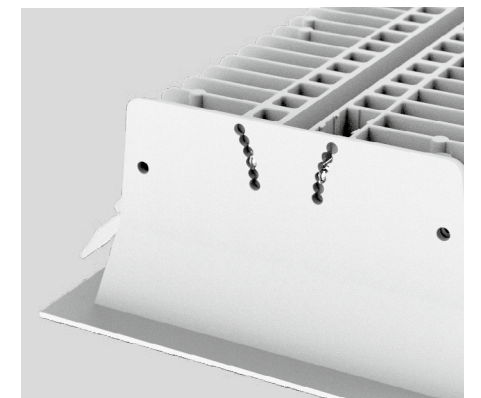
**EN** Custom free-form reflectors ensure high-precision light control; each SQUADRO achieves an efficiency of over 90 per cent. The spotlights enjoy optimum glare control through the curved shape and secondary reflector technology.

**ES** Los reflectores proporcionan un direccionamiento de la luz extremadamente preciso. Cada SQUADRO ofrece un rendimiento luminoso superior al 90 por ciento. La forma y la tecnología de reflectores de los proyectores garantizan una óptima prevención del deslumbramiento.

## Effective lighting

**EN** Branches of the same chain often differ in their shop architecture. Shelf heights and aisle widths may vary from one location to another. The solution is step-adjustable light modules. The elements can be tilted from  $-15^\circ$  to  $+20^\circ$ . Each module can be tilted asymmetrically, allowing precise alignment and thus optimum light control.

**ES** Cada tienda cuenta con un tamaño, distribución y una altura de techo distinta. Las alturas de los estantes y las anchuras de los pasillos pueden variar en función de la ubicación. Para resolver este problema, los módulos de iluminación ajustables ofrecen la solución perfecta. Estos elementos pueden bascular de  $-15^\circ$  a  $+20^\circ$  y cada módulo puede ser inclinado de manera asimétrica, haciendo posible una orientación precisa y un direccionamiento óptimo de la luz.











**Casagrande Luxury Lifestyle**  
Lucerne, CH –  
by Obrist interior AG





← back



## SQUADRO wallwasher

track

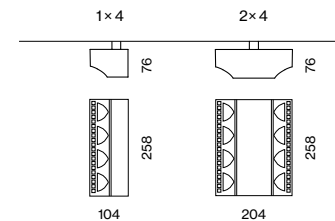
Track light in die cast aluminium in two different types (4 lamps or 2x4 lamps) and with 2 types of light modules (for shelf floor washer and wall floor washer); surface powder coated; aisle spotlight with special, multi-free-form, facet effect surface reflectors for high precision light control; precise shelf and aisle zone lighting, optimum longitudinal glare control for high viewing comfort in the aisle zone, adjustable light modules; COB (Chip on Board) technology for maximum efficiency; efficient LEDs with very good colour rendering; IP40 protection glass available as an accessory; including attachment for linear alignment of the spotlights

Foco de aluminio de carril electrificado en 2 diferentes variantes (4 o 2x4 lámparas) y con 2 módulos de iluminación diferentes (para shelf floor washer y wall floor washer); superficie con recubrimiento de pintura en polvo; foco de pasillos con reflect. especiales multisuperficie de forma libre con óptica facetada para una orient. de la luz sumamente precisa; ilumin. precisa de estanterías y pasillos, evitando de forma óptima el deslumbram. longitudinal para un elevado confort visual en el pasillo, módulos de iluminación ajustables; Chip on Board para máx. eficiencia; LEDs eficientes con una muy buena reprod. cromática; vidrio protector IP40 como accesorio; incluye accesorio para la correcta alineación de la luminaria

### Quickinfo

3000K, 4000K  
CRI ≥ 80, 3 SDCM  
up to 134lm/W  
L80 @ 50 000h  
non DIM, DALI-2

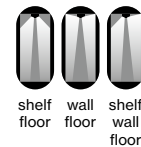
### Types



### Colours



### Light distributions



shelf floor wall floor shelf wall floor

shelf floor wall floor shelf wall floor

shelf floor wall floor shelf wall floor

shelf floor wall floor shelf wall floor

shelf floor wall floor shelf wall floor

shelf floor wall floor shelf wall floor

shelf floor wall floor shelf wall floor

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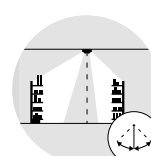
shelf floor wall floor shelf wall floor



DiiA® standards  
251, 252, 253



glare-free reflector  
longitudinally &  
transversely



+20° up to -15°  
tiltable

### Order options

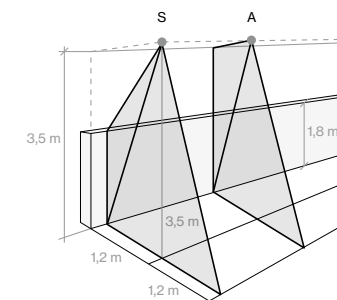
COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3

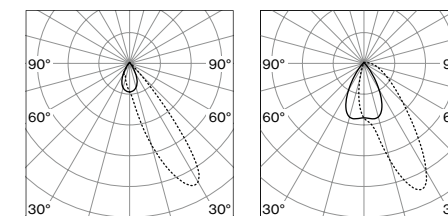
MATERIAL COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	8

REFLECTOR	
shelf floor washer	S
wall floor washer	A
1x shelf / 1x wall floor washer*	B

\*only for 2x4 lamps

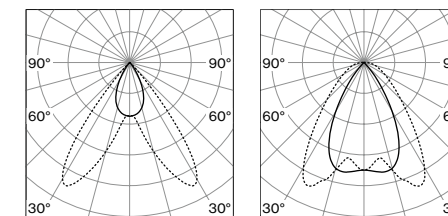


### Light distributions



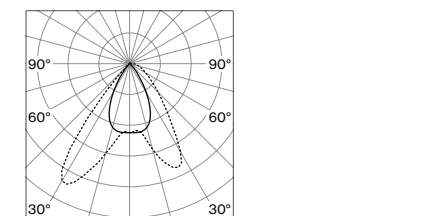
1x4 lamps  
shelf floor washer

1x4 lamps  
wall floor washer



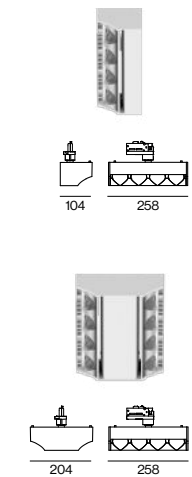
2x4 lamps  
shelf floor washer

2x4 lamps  
wall floor washer



2x4 lamps  
1x shelf / 1x wall floor washer

LUMINOUS FLUX value calculated for 4000K  
(3000K -5%), colour white, wall floor washer

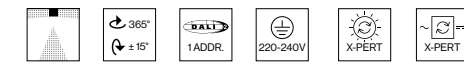


### SQUADRO wallwasher track



#### 1x4 LAMPS SINGLE-SIDED

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
51W	6610lm	149-2231



#### 2x4 LAMPS DOUBLE-SIDED

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
86W	2x5760lm	149-2240
101W	2x6490lm	149-2241

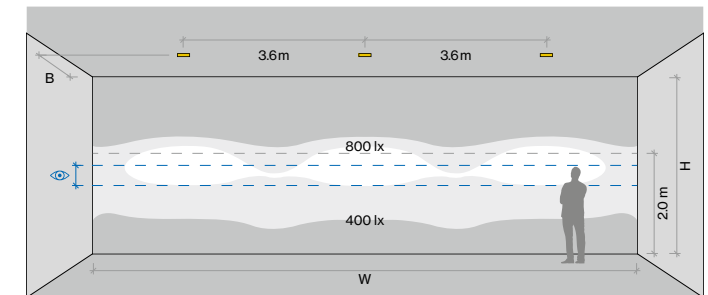
### Optical accessories

#### IP 40 PROTECTION GLASS

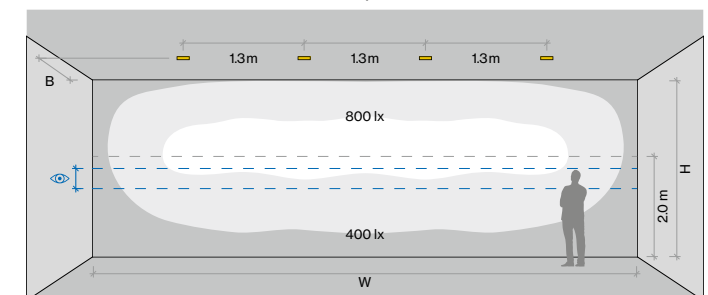
TYPE	ORDER CODE
1x4 lamps/single-sided	049-2930010
2x4 lamps/double-sided	049-2940010

### Technical data

#### SQUADRO shelf floor washer, 1x4 lamps, +5° tilt, 51W, 3000K



#### SQUADRO wall floor washer, 1x4 lamps, +5° tilt, 51W, 3000K



ROOM VALUES	CALCULATION SURFACE
Wall dimensions H = 3.5m   W = 10.8m	Surface dimensions 10.8 x 3.5m
Distance to wall B = 1.3m	Surface height 0 - 3.5m
Aisle width 2.6m	
Reflection factor 0.7   0.7   0.2	Eye level 1.35m - 1.75m
Maintenance factor 0.9	



**Jelmoli Store**  
Zurich, CH



**Oasis Store Melbourne, AU** –  
by Sync Design





**Sutterlüty** Rankweil, AT –  
by Hermann Kaufmann + Partner ZT GmbH





# In the spotlight



## BO

**EN** Beautiful design and flexibility distinguish the BO series of ceiling and track-mounted spotlights. Multiple sizes and different beam angles deliver great freedom in staging. The individual spotlights are available as semi-recessed or surface-mounted variants or as single or dual-lamp spotlights in an elegant base with an integrated driver, as well as track-mounted spotlights. Different housing and light colours (2700 K, 3000 K, or 4000 K) offer flexibility in different architectural concepts, and different versions promise excellent colour rendering with up to CRI  $\geq 95$  (2-SDCM). The spots can be rotated up to 360° and swivelled 90°, making BO an ideal spotlight for shops and display areas.

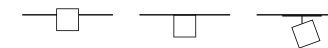
**ES** Elegante diseño y flexibilidad: esto caracteriza a la familia de proyectores de techo y carril BO. Sus diversos tamaños y ángulos ofrecen una gran flexibilidad. Estos proyectores están disponibles en variantes semiempotradas o de superficie, como focos de una o dos fuentes de luz en una base elegante con driver integrado y como proyectores de carril. Diversas carcasas y temperaturas de color (2700 K, 3000 K o 4000 K) aportan flexibilidad a la realización de distintos esquemas arquitectónicos y garantizan una reproducción cromática excelente con un índice CRI  $\geq 95$  (2-SDCM). Los proyectores pueden rotar 360° e inclinarse 90°, lo que convierte a BO en un proyector.

### Types



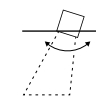
32      45      55      70

### Mountings



semi-recessed      surface      track

### Light distribution



spotlight



## Matched proportions

**EN** Elegance in the right measure: All BO product family spotlights are characterised by their decorative and simple aesthetics. Thanks to their reduced design and precisely coordinated proportions, all BO models can be combined with each other.

**ES** Elegancia en su justa medida: todos los focos de la familia de productos BO se distinguen por su estética sencilla y decorativa. Gracias a su diseño minimalista y a la precisa adaptación de sus proporciones, todas las variantes de BO pueden combinarse perfectamente entre sí.



## Colour variety

**EN** BO is available in standard white and black. For even more design freedom, additional colour options are available so that you can tailor BO to your individual project. Learn more about our colour palette at [xal.com/colours](http://xal.com/colours).

**ES** BO está disponible en los colores estándar blanco y negro. La gama adicional de colores disponibles le permitirá gozar de una libertad de diseño aún mayor y adaptar BO a su proyecto concreto. Hallará más información sobre nuestra paleta de colores en [xal.com/colours](http://xal.com/colours).



[xal.com/colours](http://xal.com/colours)

## Intrack

**EN** Flexible adjustment – easy installation: In the track version, BO combines different sizes and beam angles. Thus, ever new lighting scenarios can be implemented: from the selective presentation of goods and products to the staging of art objects and home accessories. The converter disappears elegantly into the track.

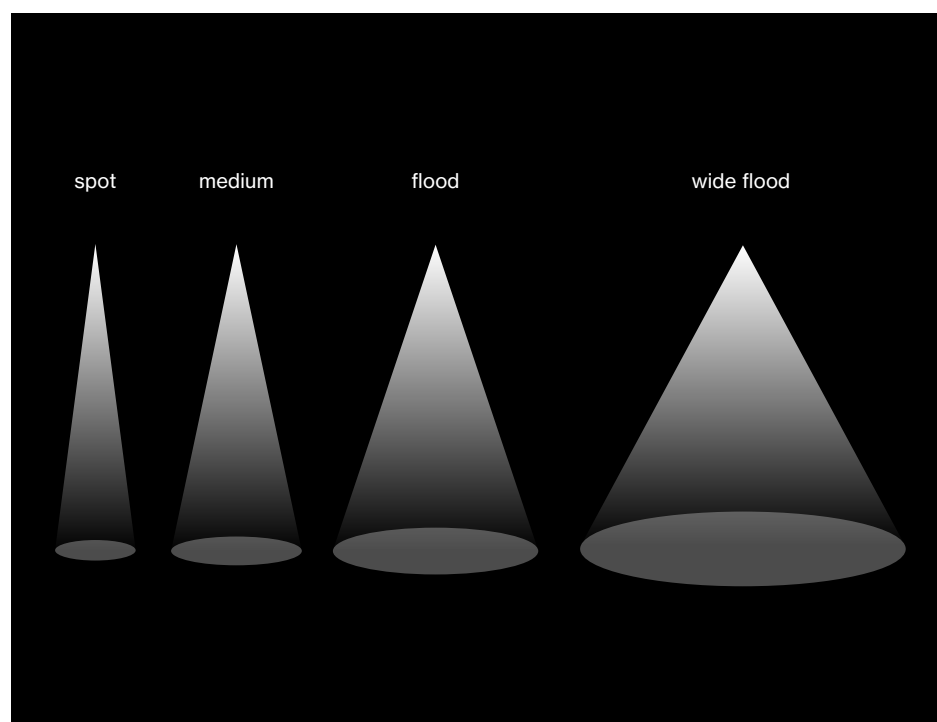
**ES** Ajuste flexible, fácil montaje: en la variante embutida en carril, BO ofrece distintos tamaños y ángulos de apertura. Esto permite realizar puestas en escena luminosas siempre nuevas, desde la presentación de artículos y productos con acentos puntuales hasta la iluminación precisa de objetos de arte y complementos de decoración. El convertidor desaparece elegantemente dentro del carril.



## Flexible adjustment

**EN** BO adapts to the requirements to ensure that objects are presented in the best possible light. The spotlight comes in different beam angles and is rotatable by at least 360°, as well as 90° tiltable.

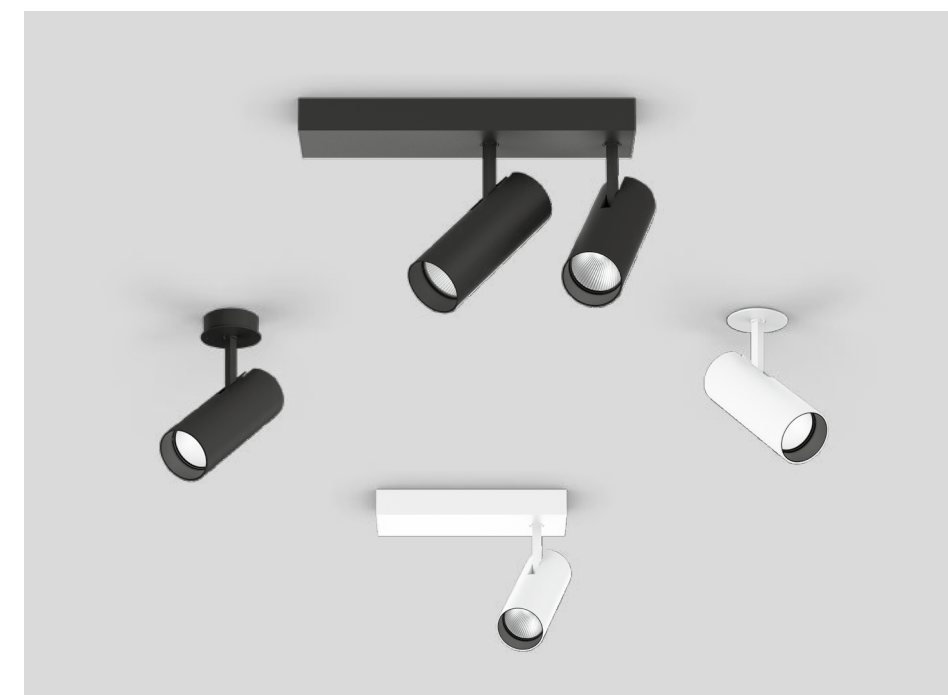
**ES** BO se adapta a los requisitos específicos para poner en escena los objetos de la mejor forma posible. El foco está disponible con distintos ángulos de apertura, y además puede girar a 360° e inclinarse 90°.



## Variety

**EN** The individual spotlights are available as semi-recessed or surface-mounted versions or as single or double-flame spotlights in an elegant housing. Different housing and light colours (2700 K, 3000 K, or 4000 K) offer flexibility for unique projects.

**ES** Los focos individuales están disponibles en versión semiencastrada o de superficie o como focos de una o dos llamas en una elegante carcasa. Las diferentes carcasas y colores de luz (2700 K, 3000 K o 4000 K) ofrecen flexibilidad para proyectos únicos.





← back



## BO 32 / 45 / 55

semi-recessed / surface

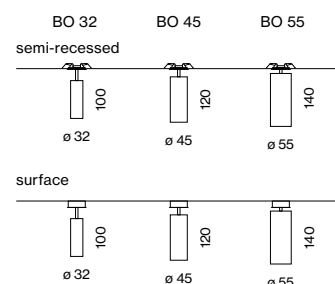
EN Cylindrical spotlight made of aluminium; surface powder coated; either with surface mounted housing or as ceiling recessed variant; spotlight head 350° rotatable and 90° tiltable; high-quality, aluminium, vapour deposition coated reflector with faceted design; precise radiation characteristics with different beam angles; good glare reduction due to recessed light point plane; optical attachments as accessories; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering

ES Foco cilíndrico de aluminio; superficie con recubrimiento de pintura en polvo; con carcasa de superficie o como variante empotrada en techo; cabezal giratorio a 350° y orientable a 90°; reflector de alta calidad de aluminio vaporizado con óptica facetada; proyección precisa con distintos ángulos de apertura; buen control del deslumbramiento por plano de punto de luz retranqueado; elementos ópticos accesorios; con tecnología COB (Chip on Board) para la máxima eficiencia; sin sombras múltiples; LEDs de alta eficiencia con muy buena reproducción cromática

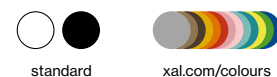
### Quickinfo

2700 K, 3000 K  
 CRI ≥ 90, 2 SDCM  
 BO 32 up to 91lm/W  
 BO 45 up to 103lm/W  
 BO 55 up to 92lm/W  
 L80 @ 50 000 h  
 non DIM, DALI-2

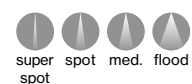
### Types



### Colours



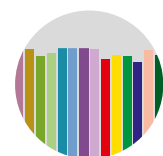
### Light distributions



glare control via honeycomb louver



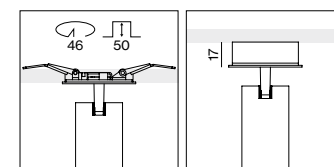
350° rotatable, 90° tiltable



CRI ≥ 95, 2 SDCM

### Order options

MOUNTING	
semi-recessed ceiling clip	1
surface housing	2



COLOUR TEMPERATURE	
2700K	4
3000K	5

MATERIAL COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	8
● special colours* p. 992	X

\*canopy always in white

BEAM ANGLE BO 32	
spot 18°	S
medium 23°	M
flood 37°	F

BEAM ANGLE BO 45	
super spot 8°	V
spot 14°	S
medium 24°	M
flood 39°	F

BEAM ANGLE BO 55	
spot 17°	S
medium 23°	M
flood 37°	F

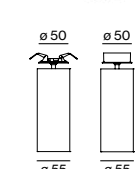
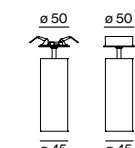
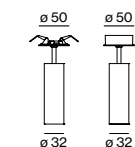
### Options on request

COLOUR RENDERING INDEX	
CRI ≥ 95, 2 SDCM	

COLOUR TEMPERATURE	
4000K	

CONTROL	
Casambi	

LUMINOUS FLUX value calculated for 3000 K, colour white, reflector flood 2700 K -6%



### BO 32 semi-recessed / surface



ADJUSTABLE	LUMINOUS FLUX	ORDER CODE
INSET POWER 8.8 W 36 Vf 250 mA	755 lm	0 4 9 - 6 5 2 0 :: 1 ▣ ▲

### BO 45 semi-recessed / surface



ADJUSTABLE	LUMINOUS FLUX	ORDER CODE
INSET POWER 6.1 W 11 Vf 400 mA	super spot 297 lm	0 4 9 - 6 5 3 0 :: 1 ▣ V
12.8 W 37 Vf 350 mA	spot 1030 lm	0 4 9 - 6 5 3 0 :: 1 ▣ S
13.5 W 36 Vf 400 mA	medium, flood 1320 lm	0 4 9 - 6 5 3 0 :: 1 ▣ ▲

### BO 55 semi-recessed / surface



ADJUSTABLE	LUMINOUS FLUX	ORDER CODE
INSET POWER 21.1 W 36 Vf 600 mA	1850 lm	0 4 9 - 6 5 4 0 :: 1 ▣ ▲

### Electrical accessories

POWER SUPPLY 220-240 V AC, 50-60 Hz, PC II

TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
250 mA   non DIM	η 80 %	65-39-20	0 0 2 - 9 0 7 4 2
250 mA   DALI-2	η 82 %	147-33-23	0 0 2 - 9 0 7 4 3
350 mA   non DIM	η 85 %	180-30-21	0 0 2 - 9 0 7 2 2
350 mA   DALI-2	η 83 %	210-30-21	0 0 2 - 9 0 7 2 3
400 mA   non DIM	η 88 %	180-30-21	0 0 2 - 9 0 7 2 4
400 mA   DALI-2	η 84 %	210-30-21	0 0 2 - 9 0 7 2 5
600 mA   non DIM	η 87 %	210-30-21	0 0 2 - 9 0 7 2 6
600 mA   DALI-2	η 85 %	210-30-21	0 0 2 - 9 0 7 2 7

for surface versions revision opening required

### DIN RAIL COMPONENTS

TYPE	W-H-D (mm)	ORDER CODE
POWER SUPPLY 220-240 V AC	90-90-60	0 0 5 - 6 5 2 0 2 1 0
96 W   48 V DC constant voltage		
LED DRIVER DALI-2 DT6 1-2 addr.	36-88-59	0 0 5 - 6 1 2 1 0 3 0
200-1050 mA settable const. current		
2 x 42 W   48 V DC   U <sub>OUT</sub> 10-40 V		

for more details and components see page 981

### Optical accessories

#### HONEYCOMB LOUVER

TYPE	Ø-H (mm)	ORDER CODE
BO 32	30-3	0 0 7 - 1 9 6 5 1 6 8
BO 45	42-3	0 0 7 - 1 9 6 5 1 8 8
BO 55	50-3	0 0 7 - 1 9 6 5 5 9 8



**Complexe des opérations** Payerne CH –  
by op-arch, Oester Pfenninger, Ulrich  
Weiz including lighting design







Wohnhaus Pferdeblick, AT –  
by Baukooperative GmbH  
including lighting design



**Einrichtungshaus Grimm**  
Göppingen, DE –  
by Studio Komo







## BO 45 base surface

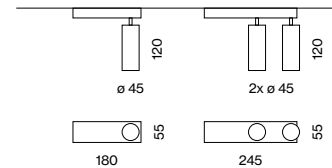
EN Cylindrical spotlight made of aluminium; surface powder coated; spotlight head 350° / 330° (1 lamp / 2 lamps) rotatable and 90° tilttable; choice of single lamp or double lamps; surface mounted housing in aluminium incl. converter; mounting plate with pre-assembled converter unit can be pre-mounted; luminaire housing can be attached without tools by interlock; high-quality, aluminium, vapour deposition coated reflector with faceted design; precise radiation characteristics with different beam angles; good glare reduction due to recessed light point plane; optical attachments as accessories; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering

ES Foco cilíndrico de aluminio; recubrimiento de pintura en polvo; con carcasa de superficie o como variante empotrada en techo; cabezal giratorio a 350°/330° (1 / 2 lámparas) y orientable a 90°; una o dos luces; carcasa alum. para mont. en superficie con convertidor; placa de montaje con convertidor premontado/pre-montable; cuerpo de luminaria enclavable sin herramienta; reflector de alta calidad de aluminio vaporizado con óptica facetada; proyección precisa con distintos ángulos de apertura; buen control del deslumbramiento por plano de punto de luz retranqueado; elementos ópticos accesorios; con tecnología COB (Chip on Board) para la máxima eficiencia; sin sombras múltiples; LEDs de alta eficiencia con muy buena reproducción cromática

### Quickinfo

2700 K, 3000 K  
CRI ≥ 90, 2 SDCM  
1 lamp up to 86 lm/W  
2 lamps up to 96 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2

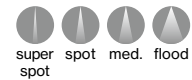
### Types



### Colours



### Light distributions



### Order options

COLOUR TEMPERATURE	
2700 K	4
3000 K	5

CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	8
● special colours* p. 992	X

\*base always in white

BEAM ANGLE	
super spot 8°	V
spot 14°	S
medium 24°	M
flood 39°	F

### Options on request

COLOUR RENDERING INDEX	
CRI ≥ 95, 2 SDCM	

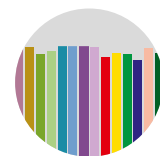
COLOUR TEMPERATURE	
4000 K	



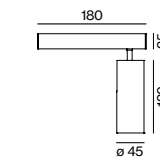
glare control via honeycomb louver



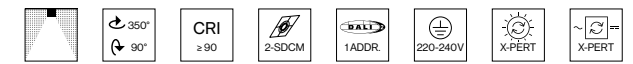
350° rotatable, 90° tilttable



CRI ≥ 95, 2 SDCM

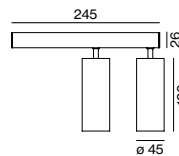


### BO 45 base surface

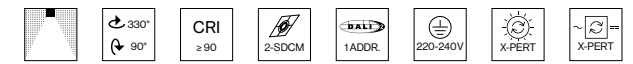


#### 1 LAMP

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
7.2 W	super spot 297 lm	0 4 9 - 6 3 3 0 :: ▽ ▽ V
15.1 W	spot 1030 lm	0 4 9 - 6 3 3 0 :: ▽ ▽ S
15.9 W	medium, flood 1310 lm	0 4 9 - 6 3 3 0 :: ▽ ▽ ▲



### BO 45 base surface



#### 2 LAMPS

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
14.4 W	super spot 2 × 297 lm	0 4 9 - 6 4 3 0 :: ▽ ▽ V
30 W	spot 2 × 1030 lm	0 4 9 - 6 4 3 0 :: ▽ ▽ S
27.5 W	medium, flood 2 × 1220 lm	0 4 9 - 6 4 3 0 :: ▽ ▽ ▲

### Optical accessories

#### HONEYCOMB LOUVER

TYPE	Ø-H (mm)	ORDER CODE
BO 45	42.3	0 0 7 - 1 9 6 5 1 8 8

LUMINOUS FLUX value calculated for 3000 K, CRI ≥ 90, colour white, flood 2700 K -6%



**möbelbau breithaler gmbh**  
Leibnitz, AT – by möbelbau  
breithaler gmbh











**Oberpollinger | The KaDeWe Group**  
Munich, DE – by Licht Kunst Licht AG  
including lighting design





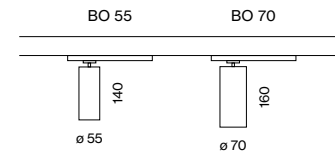
**Optiek Sagaert** Zwevegem BE –  
by Courtois & Châtelain and  
Entirus Group





**Quickinfo**

3000K, 4000K  
 CRI ≥ 90 2-SDCM  
 up to 87lm/W  
 L80 @ 50 000h  
 non DIM, DALI-2

**Types****Colours****Light distributions****BO 55****BO 70****Order options**

<b>COLOUR TEMPERATURE</b>	☐☐☐
3000K	5
4000K	6

<b>CONTROL</b>	⬆️⬆️
non DIM	1
DALI-2	3

<b>MATERIAL COLOUR</b>	☑️
☐ traffic white RAL 9016	7
● jet black RAL 9005	8

<b>BEAM ANGLE BO 55</b>	▲
spot 17°	S
medium 24°	M
flood 40°	F

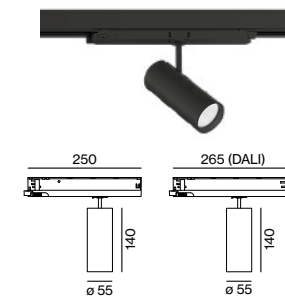
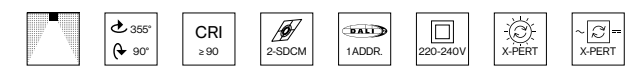
<b>BEAM ANGLE BO 70</b>	▲
spot 15°	S
medium 23°	M
flood 37°	F
wide flood 57°	W

**Options on request**

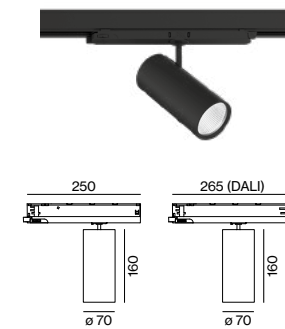
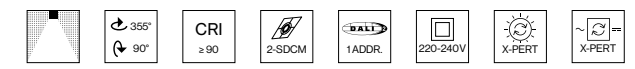
<b>COLOUR RENDERING INDEX</b>	
CRI ≥ 95, 2 SDCM	

**CONTROL**

Casambi

**BO 55 track****TRACK LIGHT**

<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
24.8 W	2150 lm	180-7312::☐☐▲

**BO 70 track****TRACK LIGHT**

<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
40 W	3410 lm	180-7411::☐☐▲

**Optical accessories****HONEYCOMB LOUVER**

TYPE	Ø H (mm)	ORDER CODE
BO 55	50-3	007-1965598
BO 70	61-3	080-5900018

**BO 55/70**

track

EN Track light made of die-cast aluminium; surface powder coated; spotlight head 355° rotatable and 90° tiltable; converter integrated in the power track adapter; high-quality, aluminium, vapour deposition coated reflector with faceted design; precise radiation characteristics with different beam angles; good glare reduction due to recessed light point plane; optical attachments as accessories; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; adapter for toolless insertion or movement on a variety of 3-phase power tracks

ES Foco de carril electrificado de fundición de aluminio; recubrimiento de pintura en polvo; cabezal giratorio a 355° y orientable a 90°; convertidor integrado en el adaptador de carril; reflector de alta calidad de aluminio vaporizado con óptica facetada; proyección precisa con distintos ángulos de apertura; buen control del deslumbramiento por plano de punto de luz retranqueado; elementos ópticos accesorios; con tecnología COB (Chip on Board) para la máxima eficiencia; sin sombras múltiples; LEDs de alta eficiencia con muy buena reproducción cromática; adaptador para instalación sin herramienta o desplazamiento en diferentes carriles trifásicos



glare control via honeycomb louver



355° rotatable, 90° tiltable



CRI ≥ 90, 2 SDCM

**LUMINOUS FLUX** value calculated for 3000K, CRI ≥ 90, colour white, flood 4000K +5%



**Shop SVNTY** Antwerp, BE –  
by Verhamme de vel Architecten  
with lighting design by Electro Govaerts





# Universal expert



## VARO

**EN** As a track-mounted spotlight, VARO focuses on the essentials and can be used universally. It is available in two different sizes and, thanks to its 355° rotation and 90° swivelling capability, is extremely flexible in use. This flexibility is supported by the fact that the spotlights can be inserted and moved along the track without tools. It is ideal for use in shops whose interior design is continually evolving. The high-quality reflector from VARO ensures a particularly precise beam characteristic at different angles, all with an excellent colour rendering up to  $CRI \geq 95$ . Depending on the desired spatial effect, you can choose between the 3000 K and 4000 K light colours.

**ES** VARO es un proyector de carril de uso universal que se centra en lo esencial. Está disponible en dos tamaños distintos y ofrece un uso altamente dinámico, gracias a su capacidad de giro a 355° e inclinación a 90°. Esta flexibilidad se acentúa mediante su colocación sin herramientas y el sencillo desplazamiento de los proyectores en el carril, por lo que este es el producto perfecto para tiendas en las que el propietario quiera desplazar el punto de luz dentro del carril dependiendo de las necesidades específicas. El reflector de VARO garantiza una proyección altamente precisa en ángulos distintos, a lo que se añade una sólida reproducción cromática con  $CRI \geq 95$ . En función del efecto deseado, es posible elegir entre temperaturas de color de 3000 K y 4000 K.

### Types



80



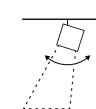
110

### Mounting



track

### Light distribution



spotlight



← back



## VARO 80 S

track

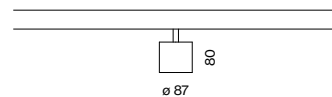
EN Track light made of die-cast aluminium; surface powder coated; spotlight head 355° rotatable and 90° tiltable; integrated converter in the plastic adapter; high quality reflector with spherical facet finish; precise radiation characteristics with different beam angles; installed and exchanged without tools; optical attachments as accessories; optical attachments can be combined; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; adapter for toolless insertion or movement on a variety of 3-phase power tracks

ES Foco de carril electrificado de fundición de aluminio; recubrimiento de pintura en polvo; cabezal giratorio a 360° y orientable a 90°; convertidor integrado en adaptador de plástico; reflector de alta calidad con óptica facetada esférica; proyección precisa con distintos ángulos de apertura; intercambiable sin herramienta; elementos ópticos accesorios; accesorios ópticos combinables entre sí; con tecnología COB (Chip on Board) para la máxima eficiencia; sin sombras múltiples; LEDs de alta eficiencia con muy buena reproducción cromática; adaptador para instalación sin herramienta o desplazamiento en diferentes carriles trifásicos

### Quickinfo

3000K, 4000K  
CRI ≥ 90, 3 SDCM  
up to 91lm/W  
L80/50 000h  
non DIM, DALI-2

### Type



### Colours



### Light distributions



### Order options

COLOUR TEMPERATURE	
3000K	0
4000K	1

CONTROL	
non DIM	1
DALI-2	3

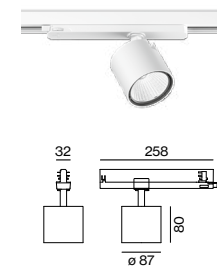
MATERIAL COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	8

BEAM ANGLE	
spot 17°	S
medium 28°	M
flood 38°	F

### Options on request

COLOUR RENDERING INDEX	
CRI ≥ 80	

CONTROL	
Casambi	



### VARO 80 S track



### TRACK LIGHT

SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
28.5W	2600lm	180-6420:::◆▲
45W	3610lm	180-6421:::◆▲

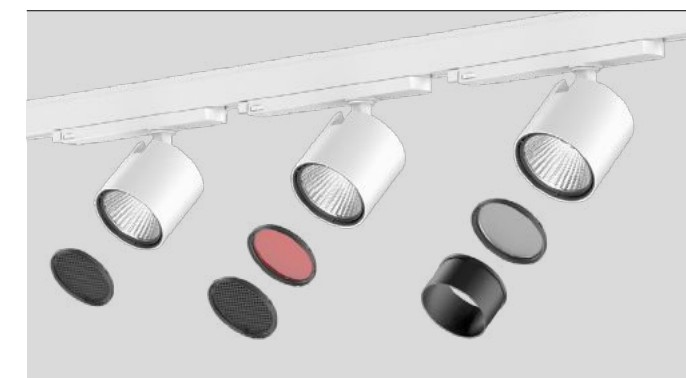
### Optical accessories

#### LENSES AND HONEYCOMB LOUVER

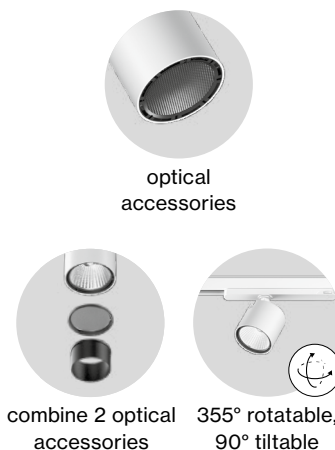
TYPE	Ø H (mm)	ORDER CODE
linear prismatic lens	75.9	080-6402110P
honeycomb louver	75.9	080-6401118

#### SNOOT

TYPE	Ø H (mm)	ORDER CODE
short	66.23	080-6403118
medium	66.38	080-6403218
angle	66.38	080-6403318



possibility to combine different optical accessories (max. 2 pieces)



combine 2 optical accessories 355° rotatable, 90° tiltable

LUMINOUS FLUX value calculated for 3000K, CRI ≥ 90, colour white, flood 4000K +8%



**s.Oliver Store** Munich, DE –  
by Kitzig Interior Design GmbH  
including lighting design







**Feucht Mode** Innsbruck, AT –  
by blocher partners with lighting design by  
Hailight Lichtplanung, Andreas Haidegger

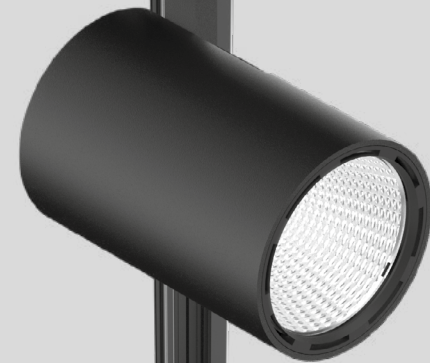




Museo Camera Gurugran, IN –  
by Studio Lunitiv



back



## VARO 80/110

track

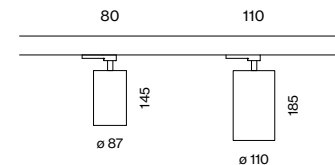
EN Track spotlight in die-cast aluminium, available in 2 different sizes; surface powder coated; spotlight head 355° rotatable and 90° tiltable; converter installed in aluminium spotlight housing; high quality reflector with spherical facet finish; precise radiation characteristics with different beam angles; installed and exchanged without tools; optical attachments as accessories; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; adapter for toolless insertion or movement on a variety of 3-phase power tracks

ES Foco de carril electrificado de fundición de aluminio en 2 tamaños distintos; superficie con recubrimiento de pintura en polvo; cabezal giratorio a 360° y orientable a 90°; convertidor integrado en la carcasa de aluminio; reflector de alta calidad con óptica facetada esférica; proyección precisa con distintos ángulos de apertura; intercambiable sin herramienta; elementos ópticos accesorios; con tecnología COB (Chip on Board) para la máxima eficiencia; sin sombras múltiples; LEDs de alta eficiencia con muy buena reproducción cromática; adaptador para instalación sin herramienta o desplazamiento en diferentes carriles trifásicos

### Quickinfo

3000K, 4000K  
CRI ≥ 90, 3 SDCM  
VARO 80 up to 95lm/W  
VARO 110 up to 100lm/W  
L80/50 000h  
non DIM

### Types



### Colours



### Light distributions



### Order options

<b>COLOUR TEMPERATURE</b>	☼☼☼
3000K	5
4000K	6

### CONTROL

non DIM

### MATERIAL COLOUR

○ traffic white RAL 9016	7
● jet black RAL 9005	8

### BEAM ANGLE

<b>VARO 80</b>	▲
spot 17°	S
medium 28°	M
flood 38°	F

### BEAM ANGLE

<b>VARO 110</b>	▲
spot 14°	S
medium 24°	M
flood 33°	F

### Options on request

#### COLOUR RENDERING INDEX

CRI ≥ 95 2-SDCM

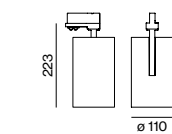
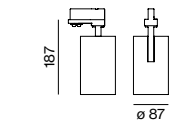
#### SPECIAL COLOUR RENDERING

vogue	CRI ≥ 90
gallery	CRI 98
gourmet	CRI ≥ 80
fresh meat & fish	CRI ≥ 80
pastry	CRI ≥ 80
brilliant white	CRI ≥ 90

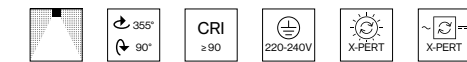
#### REFLECTOR

wide flood 67°

only for VARO 110



### VARO 80 track



#### TRACK LIGHT

<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
29 W	2700 lm	080-6210::1▲▲

### VARO 110 track



#### TRACK LIGHT

<b>SYSTEM POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
42 W	4210 lm	080-6120::1▲▲

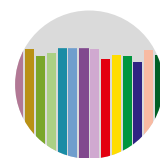
### Optical accessories

#### SNOOT WITH HONEYCOMB LOUVER

TYPE	Ø H (mm)	ORDER CODE
VARO 80	83-9	006-93120
VARO 110	106-9	006-93130



355° rotatable,  
90° tiltable



CRI ≥ 95  
2 SDCM

**LUMINOUS FLUX** value calculated for 3000K, CRI ≥ 90, colour white, flood 4000K +5%





**Kastner & Öhler, Kaufhaus Tyrol Innsbruck, AT –**  
by DIOMA AG / WHIR3 / K&Ö Bauabteilung with  
lighting design by VEDDER.LICHTMANAGEMENT



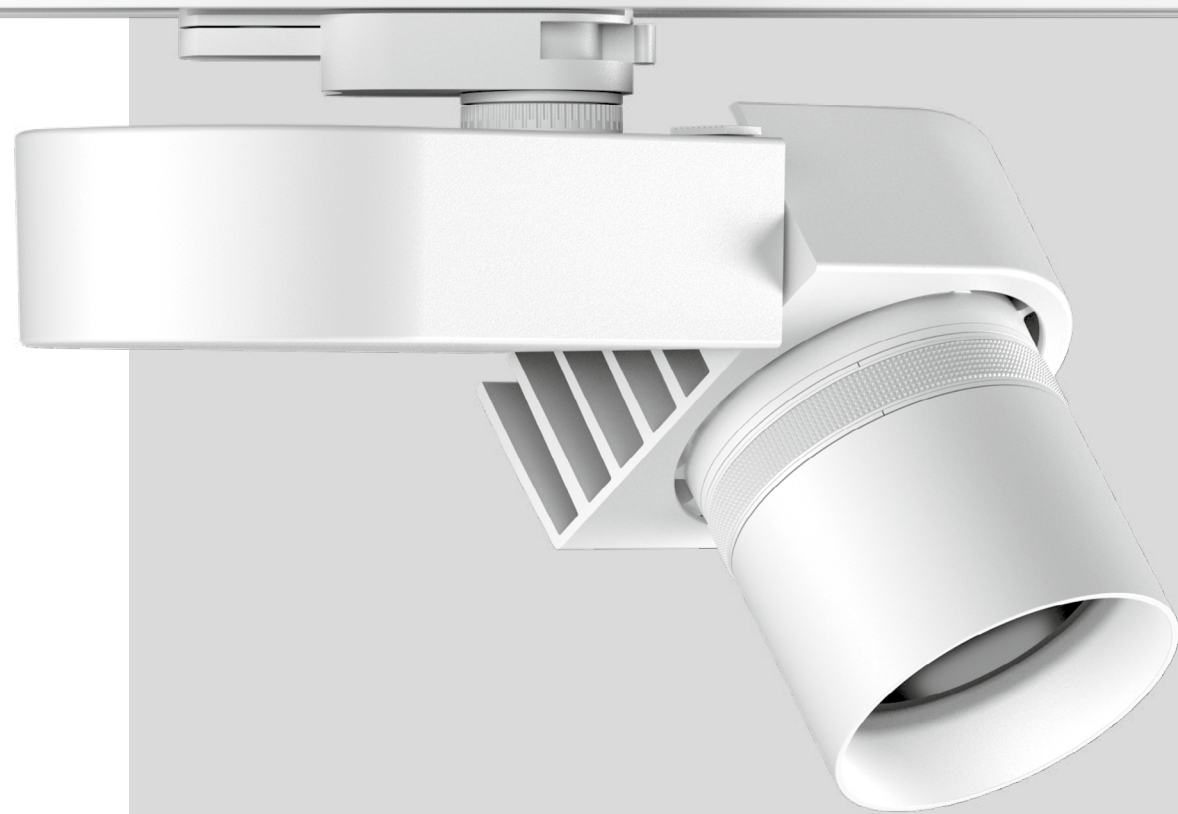


**Porsche Studio Saigon, VN –**  
by Kobi Lighting Studio





# Known for his expressive colours

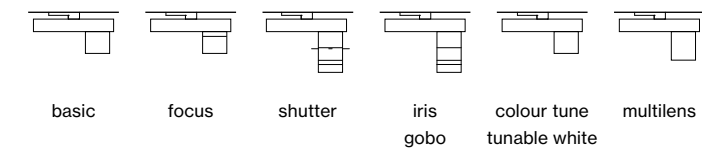


## PABLO

**EN** The PABLO track-mounted spotlight was developed especially for museums. With a colour rendering index of up to  $CRI \geq 95$ , it illuminates works of art with near-perfect colour reproduction. The Colour Tune variant compensates for age-related colour changes in paintings with increased and customisable red-blue saturation. PABLO is fixed in the tracks without tools, and the spotlight heads can be rotated, swivelled, and repositioned almost at will. PABLO focus's beam angle is also adjustable. The iris, shutter, and gobo versions create sharp-edged light cut-outs in various shapes to stage works of art even more excitingly. The multilens version of PABLO has five attachment lenses that can be exchanged without tools depending on the required beam pattern. The mood of the room can be influenced by using the Tunable White version to change light colours.

**ES** El proyector PABLO de montaje en carril ha sido concebido especialmente para museos y galerías de arte. Gracias a su índice de reproducción cromática (CRI) de hasta  $\geq 95$ , el proyector ilumina las obras de arte con una excepcional exactitud en la reproducción cromática. En su variante colour tune, las variaciones de color en pinturas debidas al envejecimiento se compensan mediante una elevada saturación rojoazul de ajuste personalizado. PABLO se monta en los carriles sin ningún tipo de herramientas, y los cabezales de proyector pueden girarse, orientarse y posicionarse de casi cualquier modo que se desee. En el modelo PABLO focus es posible variar adicionalmente el ángulo de apertura. Los modelos iris, shutter y gobo crean recortes de bordes en distintas formas para poner en escena las obras de arte de un modo aún más interesante. La versión multilente de PABLO cuenta con cinco lentes de fijación que pueden intercambiarse sin necesidad de herramientas en función de la distribución del haz que se desee. Con la opción tunable white, los cambios de temperatura de color permiten modificar el ambiente luminoso de la sala.

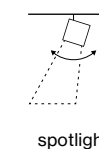
### Types



### Mounting



### Light distribution

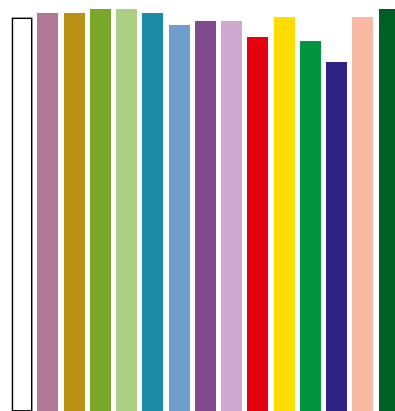




## PABLO multilens

**EN** PABLO's multilens design lets the beam characteristics be flexibly adjusted depending on the application. For this purpose, there are five ancillary lenses that can be easily exchanged without tools. Objects are thus staged in the best possible light and the staging of a room with changing interiors becomes feasible.

**ES** La variante PABLO multilens permite adaptar el modo de proyección al caso de uso concreto con total flexibilidad. Para ello existen cinco lentes adaptables que pueden intercambiarse fácilmente sin necesidad de herramienta. Esto permite presentar los objetos del mejor modo posible, posibilitando además la puesta en escena de salas sujetas a una decoración cambiante.



## Authentic colours

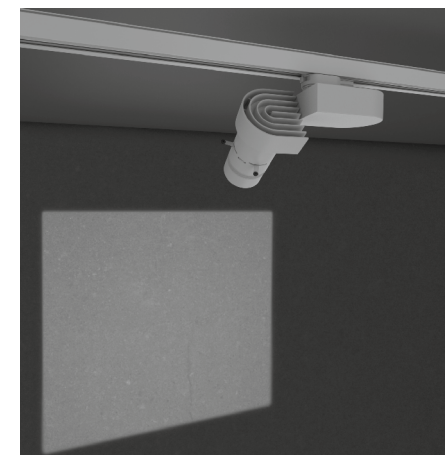
**EN** Museum lighting must present exhibits authentically. PABLO illuminates works of art with near-perfect colour reproduction thanks to a colour rendering index of up to CRI  $\geq 95$  and R9  $> 90$ . Light colour and intensity can be controlled, allowing the lighting to be adapted to any new spatial setting.

**ES** La iluminación de museos debe representar las obras expuestas con autenticidad. Gracias a su índice de reproducción cromática (CRI) de hasta  $\geq 95$  y R9  $> 90$ , PABLO ilumina las obras de arte con una alta calidad cromática. El color y la intensidad de la luz son regulables, por lo que la iluminación puede adaptarse a cada puesta en escena.

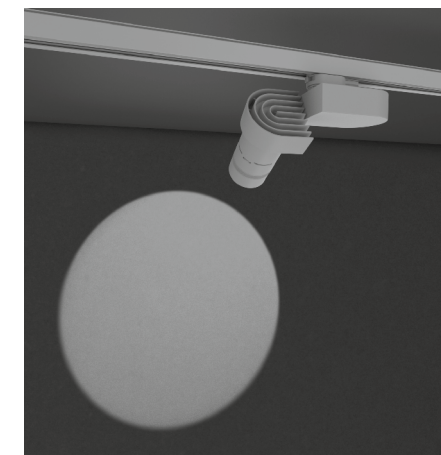
## Light in form

**EN** PABLO's shutter, iris, and gobo variants create sharp-edged silhouettes in a square, round, or custom shape such as lettering. This means exhibits can be precisely custom-illuminated for maximum effect.

**ES** Las versiones de PABLO Shutter, Iris y Gobo crean siluetas con aristas vivas de formas cuadrangulares, redondas o de libre elección, como p. ej. rótulos. Esto permite iluminar con exactitud y precisión las obras expuestas, y hacer que estas logren el mayor efecto posible.



shutter



iris



gobo

## Precise and variable

**EN** PABLO spots can be mounted and moved along the track without tools. The spotlight head can be fixed in any position without tools thanks to the special adapter fixing. This makes PABLO as precise as it is flexible, even after installation.

**ES** Los proyectores PABLO pueden montarse sin herramienta y desplazarse en los carriles. Gracias a la fijación especial adaptable, el cabezal del proyector puede fijarse en cualquier posición sin necesidad de herramientas. Por eso, PABLO es tan preciso como flexible, incluso después su instalación.



## Restored by light

**EN** PABLO Colour Tune was developed to faithfully revive historical art worthy of protection. A customisable red-blue saturation compensates, purely thanks to the lighting, for time-related colour damage. This gently reawakens a work of art's original colours.

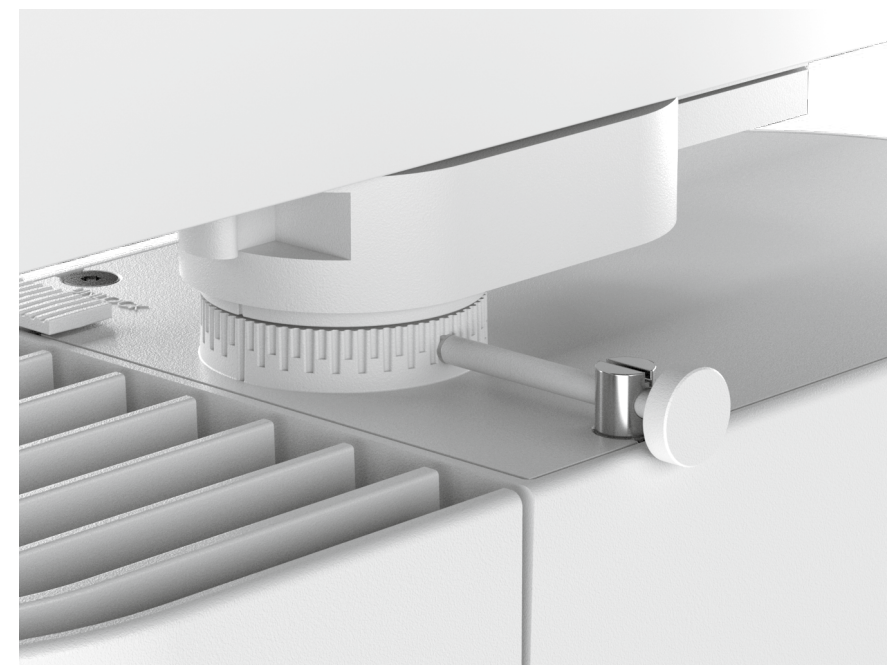
**ES** PABLO Colour Tune se ha creado para revivir las obras de arte y dignas de protección respetando su estado original. Una saturación rojo-azul de ajuste preciso compensa los daños de color causados por el tiempo, sólo mediante iluminación. Esto reaviva los colores originales de una obra de arte del modo más cuidadoso posible.



## Easy dimming

**EN** PABLO's DIM Poti variant has a manual dimming function. The brightness can be easily adjusted directly on-site at the spotlight head to suit the surroundings and the desired lighting mood.

**ES** La versión con regulador DIM de PABLO dispone de una función de atenuación manual. Esto permite adaptar fácilmente la luminosidad al entorno y ajustar el ambiente luminoso deseado en el propio cabezal del proyector.





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## PABLO basic/focus

track

**EN** Track light made of die-cast aluminium; powder coated; converter in spotlight housing; COB (Chip on Board) technology – maximum efficiency; no multiple shadows; energy-eff. LEDs – very good colour rendering; PABLO basic: sym./asym. radiation characteristic; PABLO focus: object focusing through adjustable lens; adjustable beam angle; PABLO shutter / iris: contour spotlight for rectangular or round shape – adjustment by 4 shading elements / by iris-shaped shade; toolless insertion or movement on a variety of 3-phase power tracks; adapter fixation optionally without tools by means of knurled screw or set screw (screwdriver required); point outlet, either in surface mounted housing or recessed housing, as an accessory

**ES** Proyector de carril electrificado de fundición de aluminio inyectado; recubierto de polvo; convertidor en carcasa de proyector; Chip on Board – máxima eficiencia; no sombras múltiples; LED energét. efíc. – excelente reprod. crom.; PABLO basic: radiación sim. / asim.; PABLO focus: enfoque de objetos con lente ajustable; ángulo de apert. regulable; PABLO shutter / iris: foco de contornos para diseño cuadrado / redondo – Ajuste con 4 elem. de oscurecim. o oscurecedores en forma de iris; inserción o acople sin herramienta en diversos carriles eléctricos trifásicos; fijación de adaptador sin herramienta con tornillo moleteado o tornillo de sujeción (destornillador necesario); base para techo, opcionalmente en carcasa superpuesta o carcasa empotrada, como accesorio

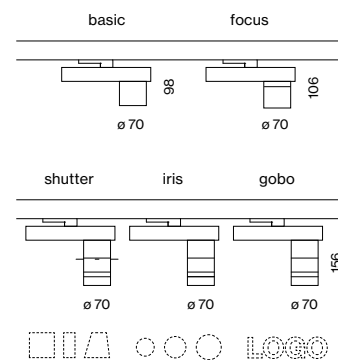
### Quickinfo

3000K, 4000K  
CRI ≥ 95, 2 SDCM  
POTI, DALI

L85 @ 50 000h  
PABLO basic up to 87lm/W  
PABLO focus up to 69lm/W

L90 @ 50 000h  
PABLO shutter/iris up to 18lm/W

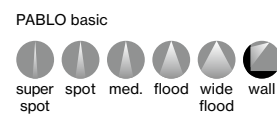
### Types



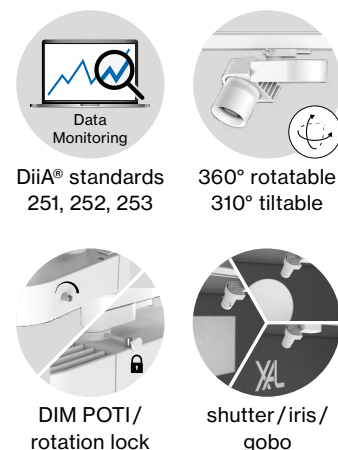
### Colours



### Light distributions



### PABLO focus



DiiA® standards  
251, 252, 253

360° rotatable  
310° tilttable

DIM POTI/  
rotation lock

shutter/iris/  
gobo

### Order options

ADAPTER FIXATION	
tool-free fixation	2
set screw (tool required)	1

COLOUR TEMPERATURE	
3000K	0
4000K	1

CONTROL	
DIM POTI	8
DALI	3

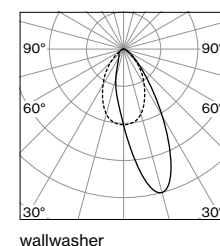
MATERIAL COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	8

REFLECTOR	
super spot 6° (only for 11W)	V
spot 12°	S
medium 24°	M
flood 39°	F
wide flood 58°	W
wallwasher	A

### Options on request

REFLECTOR	
oval flood	

### Light distribution

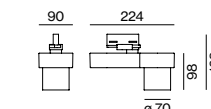


wallwasher

**LUMINOUS FLUX** value calculated for CRI ≥ 95, colour white, reflector spot



### PABLO basic

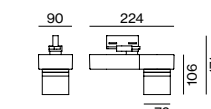


### TRACK LIGHT

SYS. POWER	COLOUR TEMPERATURE	LUMINOUS FLUX	ORDER CODE
10.9 W (3-SDCM)	3000K (CRI ≥ 90)	614 lm	180-51005
	4000K (CRI ≥ 90)	660 lm	180-51006
13.9 W	3000K	986 lm	180-51000
	4000K	1080 lm	
22.9 W	3000K	1460 lm	180-51011
	4000K	1610 lm	



### PABLO focus 17–47°



### TRACK LIGHT

SYS. POWER	COLOUR TEMPERATURE	LUMINOUS FLUX	ORDER CODE
14 W	3000K	785 lm	180-52000
	4000K	862 lm	
23 W	3000K	1170 lm	180-52010
	4000K	1280 lm	

### Optical accessories

#### SNOOT | HONEYCOMB LOUVER

TYPE	ØH (mm)	ORDER CODE
snoot	62-33	080-590008
honeycomb louver	61-3	080-590018

### Mounting accessories

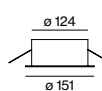
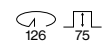
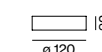
#### SURFACE HOUSING/POINT OUTLET

TYPE	ORDER CODE
surface housing/point outlet	186-07228

#### RECESSED HOUSING/POINT OUTLET

ceiling thickness: 1-30 mm

TYPE	ORDER CODE
recessed housing/point outlet	186-07227





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**Order options**

**ADAPTER FIXATION**

tool-free fixation	2
set screw (tool required)	1

**COLOUR TEMPERATURE**

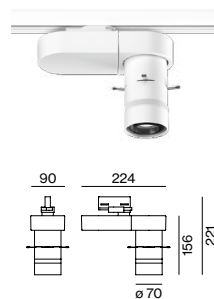
3000K	0
4000K	1

**CONTROL**

DIM POTI	8
DALI	3

**MATERIAL COLOUR**

○ traffic white RAL 9016	7
● jet black RAL 9005	8



**PABLO shutter**



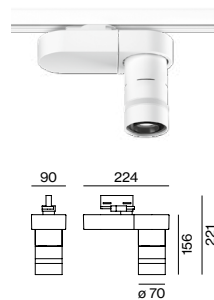
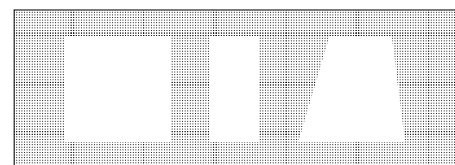
**TRACK LIGHT**

SYS. POWER	COLOUR TEMP.	LUMINOUS INTENSITY	ORDER CODE
14 W	3000K	854 cd	180-5300
	4000K	934 cd	
23 W	3000K	1266 cd	180-5301
	4000K	1389 cd	

illuminance (lux) = luminous intensity (cd) / distance (m)<sup>2</sup>

**LIGHT DISTRIBUTION**

possible shapes of illumination



**PABLO iris**



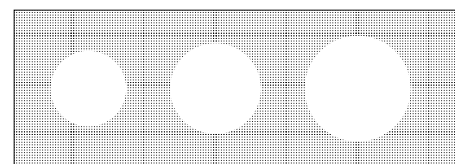
**TRACK LIGHT**

SYS. POWER	COLOUR TEMP.	LUMINOUS INTENSITY	ORDER CODE
14 W	3000K	873 cd	180-5400
	4000K	960 cd	
23 W	3000K	1297 cd	180-5401
	4000K	1425 cd	

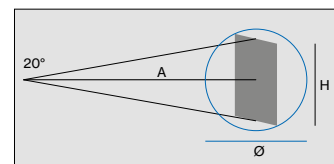
illuminance (lux) = luminous intensity (cd) / distance (m)<sup>2</sup>

**LIGHT DISTRIBUTION**

possible shapes of illumination



**Illumination size**

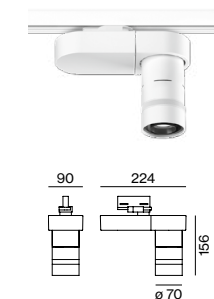


A (mm)	H (mm)	Ø (mm)
1000	396	560
2000	792	1120
3000	1188	1680

**Order options**

**MATERIAL COLOUR**

○ traffic white RAL 9016	7
● jet black RAL 9005	8



**PABLO gobo**

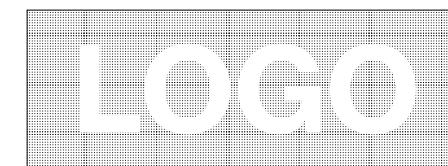


**TRACK LIGHT**

SYS. POWER	LUMINOUS INTENSITY	ORDER CODE
14 W	depends on form	on request

**LIGHT DISTRIBUTION**

customised shapes of illumination possible



**Mounting accessories**



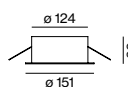
**SURFACE HOUSING/POINT OUTLET**

TYPE	ORDER CODE
surface housing/point outlet	186-07228



**RECESSED HOUSING/POINT OUTLET**

ceiling thickness: 1-30 mm



TYPE	ORDER CODE
recessed housing/point outlet	186-07227





**Nationalmuseum** Stockholm, SE –  
 by Wingårdhs with lighting design  
 by Gabriele von Kardorff





back



## PABLO colour tune/tunable white

track

**EN** Track light made of die-cast aluminium; powder coated; converter in spotlight housing; COB (Chip on Board) technology or CSP (Chip-Scale-Packaging) technology for maximum efficiency; no multiple shadows; energy-eff. LEDs – very good colour rendering; high quality aluminium refl., spherical facet finish; high-gloss anodised; precise radiation charact. – different beam angles; installed/exchanged without tools; optical attachments as accessories; adapter for toolless insertion or movement on a variety of 3-phase power tracks; adapter fixation optionally without tools by means of knurled screw or set screw (screwdriver required); point outlet, either in surface mounted housing or recessed housing, as an accessory

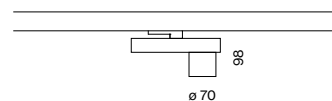
**ES** Proyector de carril electrificado de fundición de aluminio inyectado; recubierto de polvo; convertidor en carcasa de proyector; tecnología COB (Chip on Board) o CSP (Chip-Scale-Packaging) para la máxima eficiencia; no sombras múltiples; LED energét. efíc. – excelente reprod. crom.; refl. alum. alta calidad, óptica facet. esfér.; anodiz. alto brillo; proyec. precisa – distintos áng. de apertura; insertable / reemplaz. sin herramienta; los accesorios ópticos como accesorios; adaptador para instalación sin herramientas o desplazamiento en diferentes carriles electrificados de 3 fases; fijación de adaptador sin herramienta con tornillo moleteado o tornillo de sujeción (destornillador necesario); base para techo, opcionalmente en carcasa superpuesta o carcasa empotrada, como accesorio

### Quickinfo

PABLO colour tune  
3500 K red/blue  
CRI ≥ 90, 3 SDCM  
up to 54lm/W  
L95 @ 50 000h  
DALI-2

PABLO tunable white  
TW 2700–5000K  
CRI ≥ 95, 3 SDCM  
up to 48lm/W  
L80 @ 50 000h  
DALI-2 DT8

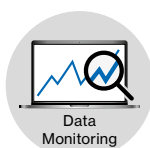
### Type



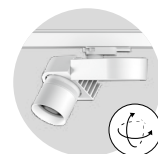
### Colours



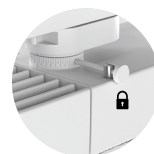
### Light distributions



DiiA® standards  
251, 252, 253



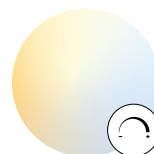
360° rotatable  
245°/65° tiltable



rotation  
lock



colour tune  
(3500K red/blue)



tunable white  
2700–5000K

### Order options

**ADAPTER FIXATION**

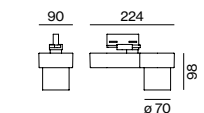
tool-free fixation	2
set screw (tool required)	1

**MATERIAL COLOUR**

○ traffic white RAL 9016	7
● jet black RAL 9005	8

**BEAM ANGLE**

medium 20/24°	M
flood 38°	F



### PABLO colour tune



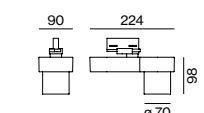
#### TRACK LIGHT

SYS. POWER	COLOUR TEMPERATURE	LUMINOUS FLUX	ORDER CODE
18.8 W	3500K red/blue	1020 lm	180-5600G3

### Fresh colour for historical works of art



PABLO colour tune was developed to revitalise historical art, which is particularly worthy of protection, true to the original. An increased, individually adjustable red-blue saturation compensates for time-related colour damage – purely through the lighting. This reawakens the original colours of a work of art. The correct setting of PABLO colour tune can be easily controlled and adjusted via DALI-2.



### PABLO tunable white



#### TRACK LIGHT

SYS. POWER	COLOUR TEMPERATURE	LUMINOUS FLUX	ORDER CODE
20.7 W	2700–5000K	954 lm	180-5600D3

### Optical accessories

#### SNOOT | HONEYCOMB LOUVER

TYPE	Ø-H (mm)	ORDER CODE
snoot	62-33	080-5900008
honeycomb louver	61-3	080-5900018

### Mounting accessories

#### SURFACE HOUSING/POINT OUTLET

TYPE	ORDER CODE
surface housing/point outlet	186-07228

#### RECESSED HOUSING/POINT OUTLET

ceiling thickness: 1-30 mm

TYPE	ORDER CODE
recessed housing/point outlet	186-07227



**LUMINOUS FLUX** value calculated for colour white, reflector medium



**Nationalmuseum** Stockholm, SE –  
by Wingårdhs with lighting design  
by Gabriele von Kardorff





back



## PABLO multilens

track

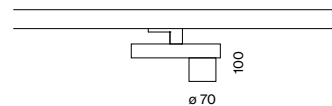
**EN** Track light made of die-cast aluminium; powder coated; 360° rotatable and 310° tiltable; converter installed in aluminium spotlight housing; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-eff. LEDs – very good colour rendering; exchangeable additional lenses; precise radiation characteristics with different beam angles; installed and exchanged without tools; optical attachments as accessories; adapter for toolless insertion or movement on a variety of 3-phase power tracks; adapter fixation optionally without tools by means of knurled screw or set screw (screwdriver required); point outlet, either in surface mounted housing or recessed housing, as an accessory

**ES** Proyector de carril electrificado de fundición de aluminio inyectado; recubierto de polvo; giratorio 360° y orientable 310°; convertidor montado en carcasa de proyector de aluminio; con tecnología COB (Chip on Board) para proporcionar una máxima eficiencia; no sombras múltiples; LED energét. ef. – excelente reprod. crom.; lentes reemplazables; característica de emisión precisa con diferentes ángulos de emisión; intercambiable sin herramienta; los accesorios ópticos como accesorios; adaptador para instalación sin herramientas o desplazamiento en diferentes carriles electrificados de 3 fases; fijación de adaptador sin herramienta con tornillo moleteado o tornillo de sujeción (destornillador necesario); base para techo, opcionalmente en carcasa superpuesta o carcasa empotrada, como accesorio

### Quickinfo

3000K, 4000K  
CRI ≥ 90, 2 SDCM  
up 76lm/W  
L85 @ 50 000h  
DIM POTI

### Type



### Colours



### Light distributions



### Order options

**ADAPTER FIXATION**

tool-free fixation	2
set screw (tool required)	1

**COLOUR TEMPERATURE**

3000K	5
4000K	6

### CONTROL

DIM POTI

### MATERIAL COLOUR

traffic white RAL 9016 7  
 jet black RAL 9005 8

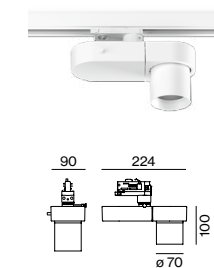
### BEAM ANGLE

10/19/30/38/40/64°

### Options on request

### CONTROL

DALI-2



### PABLO multilens 10–60°



### TRACK LIGHT

SYS. POWER	COLOUR TEMPERATURE	LUMINOUS FLUX	ORDER CODE
14.8W	3000K	1050lm	180-57008
	4000K	1130lm	

incl. 5 pcs. interchangeable diffusion sheets



### Optical accessories

#### OVAL FILTER

TYPE	ORDER CODE
oval filter 60 × 15°	080-5900020
diffusion sheet for superspot*	080-5900030

\*for a better homogeneous illumination

### Mounting accessories

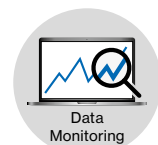
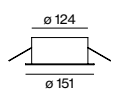
#### SURFACE HOUSING/POINT OUTLET

TYPE	ORDER CODE
surface housing/point outlet	186-07228

#### RECESSED HOUSING/POINT OUTLET

ceiling thickness: 1-30 mm

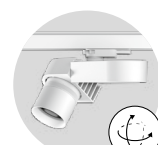
TYPE	ORDER CODE
recessed housing/point outlet	186-07227



DiiA® standards  
251, 252, 253



interchangeable  
diffusion sheets



360° rotatable  
310° tiltable

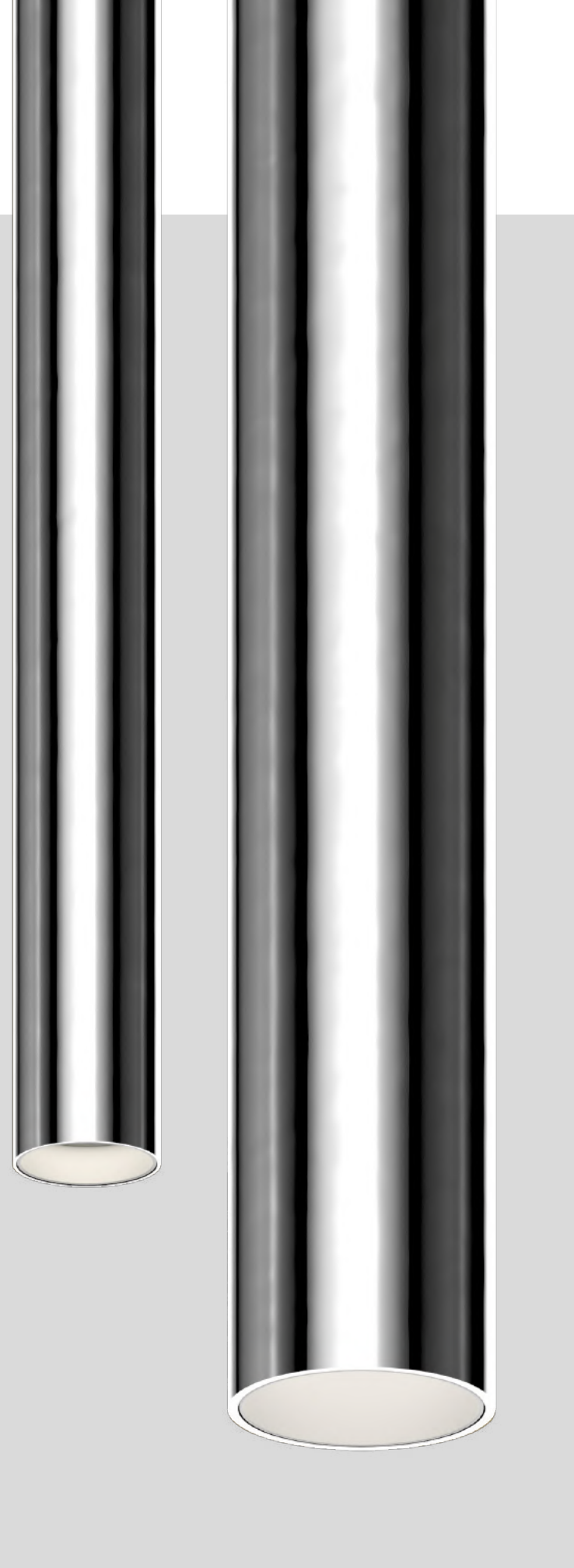


DIM POTI/  
rotation lock

**LUMINOUS FLUX** value calculated for  
CRI ≥ 90, colour white, lens spot



# Free to arrange



## TULA

**EN** A suspended luminaire that gives more than “just” light. TULA immediately catches the eye with its decorative, slim shape. The luminaire is available in white, black, and chrome, as well as in numerous custom colours. Depending on your interior design, choose between the light colours 2700K, 3000K, or 4000K. The position of the luminaires can be easily changed with additional hooks on the cable and rings on the ceiling, thus TULA always adapts itself to evolving conditions in the space or creates artistic patterns. TULA is also available as a lighting inset for the MOVE IT track system.

**ES** Una luminaria de suspensión que da da más que luz. TULA llama la atención de inmediato por su forma decorativa y esbelta. Esta luminaria está disponible en blanco, negro, cromo y en numerosos colores especiales. En función del diseño de interiores, pueden elegirse tres longitudes y temperaturas de color de 2700K, 3000K o 4000K. Los ganchos adicionales en el cable y los anillos en el techo permiten variar fácilmente la posición de la luminaria, lo que le permite adaptarse siempre a nuevas distribuciones del espacio o crear patrones artísticos. TULA también está disponible como elemento individual para el sistema de carril MOVE IT.

### Types



25  
nano

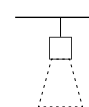
45  
micro

### Mounting



suspended

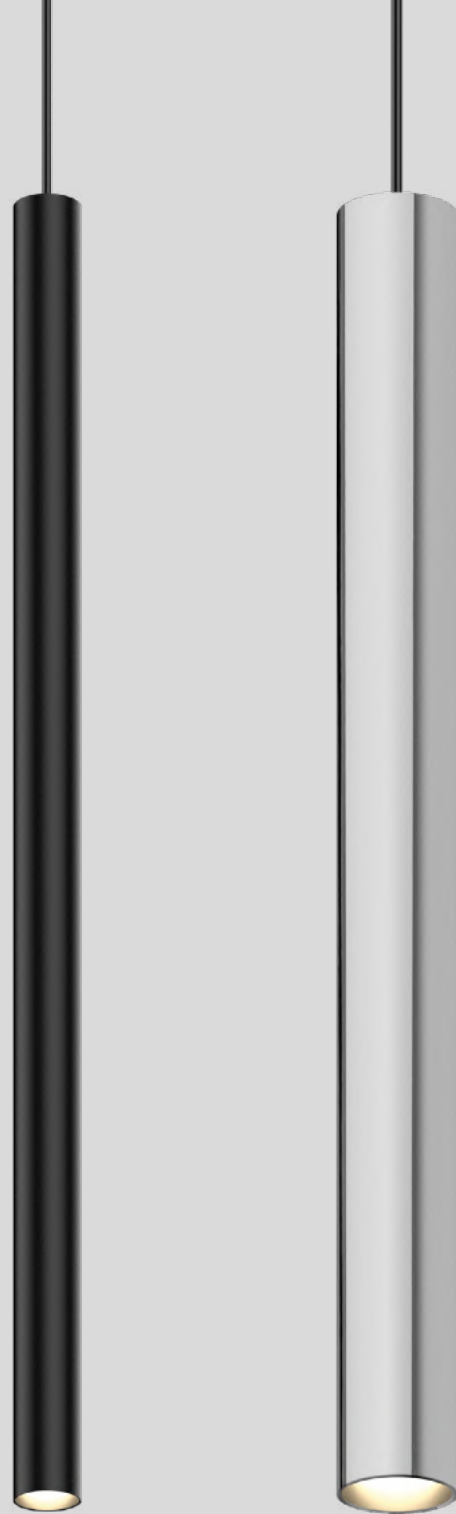
### Light distribution



downlight



back



# TULA

suspended

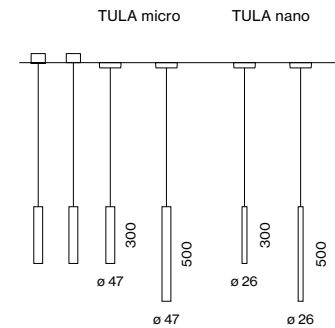
**EN** Decorative suspended luminaire in aluminium; surface polished chrome or powder coated; pendant fitting with suspension, incl. feed (black or white); can be individually shortened; good glare reduction due to recessed light point plane; incl. high quality lens system; COB (Chip on Board) technology or high power LEDs for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; canopy for through wiring; converter included in canopy, either recessed or surface mounted version; ceiling mounting rings for multiple positioning of the luminaire in the room available as accessory

**ES** Luminaria suspendida decorativa de aluminio; superficie cromada pulida o con recubrimiento de pintura en polvo; suspensión pendular con cable de alim. (negro o blanco); acortable; buena prevenc. del deslumbram. con plano de punto de luz retranq.; óptica de alta calidad; proyec. precisa con distintos ángulos de apertura; tecnología COB (Chip on Board) para máxima eficiencia; sin sombras múltiples; LEDs eficientes de muy buena reproducción cromática; remate de techo para cableado; convert. integrado en remate, opcional. como variante empotrada o de superficie; anillos de montaje en techo opcionales para posicionam. múltiple de la luminaria en la sala

## Quickinfo

2700 K, 3000 K  
CRI ≥ 90, 3 SDCM  
up to 95 lm/W  
L80 @ 50 000 h  
non DIM, DALI-2, Casambi

## Types



## Colours



## Light distributions



## Order options

<b>HOUSING HEIGHT</b>	<b>L</b>
300 mm	5
500 mm	7

## SUSPENSION

cable 1500 mm

## COLOUR TEMPERATURE

2700 K	4
3000 K	5

## MATERIAL COLOUR

● chrome	4
○ traffic white RAL 9016	7
● jet black RAL 9005	8
● special colours* ● p. 992	X

\*cable always in white

## BEAM ANGLE

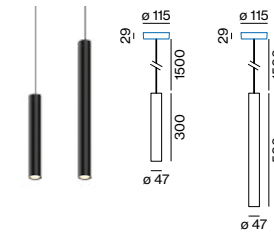
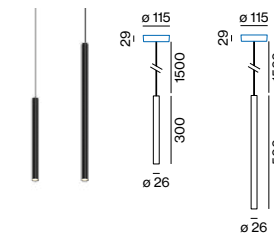
medium 25°	M
flood 44°	F

## ACCESSORY COLOUR

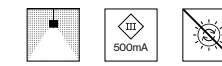
○ traffic white RAL 9016	7
● jet black RAL 9005	8

## Options on request

<b>COLOUR TEMPERATURE</b>	
4000 K	

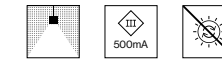


## TULA nano suspended



<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
9 W 18 Vf 500mA	732lm	0 4 9 - 5 L 1 0 :: 1 ▣ ▣

## TULA micro suspended



<b>INSET POWER</b>	<b>LUMINOUS FLUX</b>	<b>ORDER CODE</b>
8.4 W 18 Vf 500mA	798lm	0 4 9 - 5 L 1 5 :: 1 ▣ ▣

## Mounting accessories

**CANOPY CEILING** 220–240 V AC, 50–60 Hz, PC I

TYPE	EFFICIENCY	Ø-H (mm)	ORDER CODE
500 mA   non DIM	η 79 %	115-29	0 0 5 - 2 6 0 2 1 1 ▣
500 mA   DALI-2	η 81 %	115-29	0 0 5 - 2 6 0 2 1 3 ▣
500 mA   Casambi	η 80 %	115-29	0 0 5 - 2 6 0 2 1 9 ▣

## MOUNTING SET RECESSED WITH TRIM

for installation in ceilings from 2–25 mm

<b>TYPE</b>	<b>Ø-H (mm)</b>	<b>ORDER CODE</b>
mounting set with trim	77-49	0 0 5 - 3 5 2 1 0 1 ▣

## MOUNTING SET RECESSED TRIMLESS

for installation in plasterboard ceilings 9–25 mm

<b>TYPE</b>	<b>Ø-H (mm)</b>	<b>ORDER CODE</b>
mounting set trimless	75-48	0 0 5 - 3 5 1 1 0 1 7

## SPECIAL MOUNTING TOOL

<b>TYPE</b>	<b>Ø-H (mm)</b>	<b>ORDER CODE</b>
special mounting tool	100-9	0 6 3 - 8 9 1 2 1 1 0

necessary to install mounting set trimless

## RING

<b>TYPE</b>	<b>Ø-H (mm)</b>	<b>ORDER CODE</b>
ceiling mounted	50-88	0 5 0 - 0 5 1 0 2 1 ▣

## HOOK

<b>TYPE</b>	<b>L-W-H (mm)</b>	<b>ORDER CODE</b>
ceiling mounted	18-13-58	0 5 0 - 5 9 0 1 1 1 ▣

## Electrical accessories

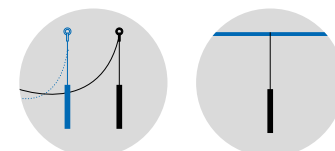
**POWER SUPPLY** 220-240 V AC, 50-60 Hz, PC II

TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
500 mA   non DIM	η 80 %	65-39-20	0 0 2 - 9 0 7 3 2
500 mA   DALI-2	η 82 %	147-33-23	0 0 2 - 9 0 7 3 3

## DIN RAIL COMPONENTS

TYPE	W-H-D (mm)	ORDER CODE
POWER SUPPLY 220-240 V AC 96 W   48 V DC constant voltage	90-90-60	0 0 5 - 6 5 2 0 2 1 0
LED DRIVER DALI-2 DT6 1–2 addr. 200–1050 mA settable const. current 2 × 42 W   48 V DC   U <sub>OUT</sub> 10–40 V	36-88-59	0 0 5 - 6 1 2 1 0 3 0

for more details and components see page 981



free positioning by ring and hook track version available (p. 742)

**INSET POWER** is the current consumption excluding any ballast  
**LUMINOUS FLUX** value calculated for 3000 K, CRI ≥ 90, colour white, lens flood 2700 K -5%





**Casino** Dusseldorf, DE –  
by ttsp hwp seidel Planungsgesellschaft mbH  
with lighting design by Licht Kunst Licht AG



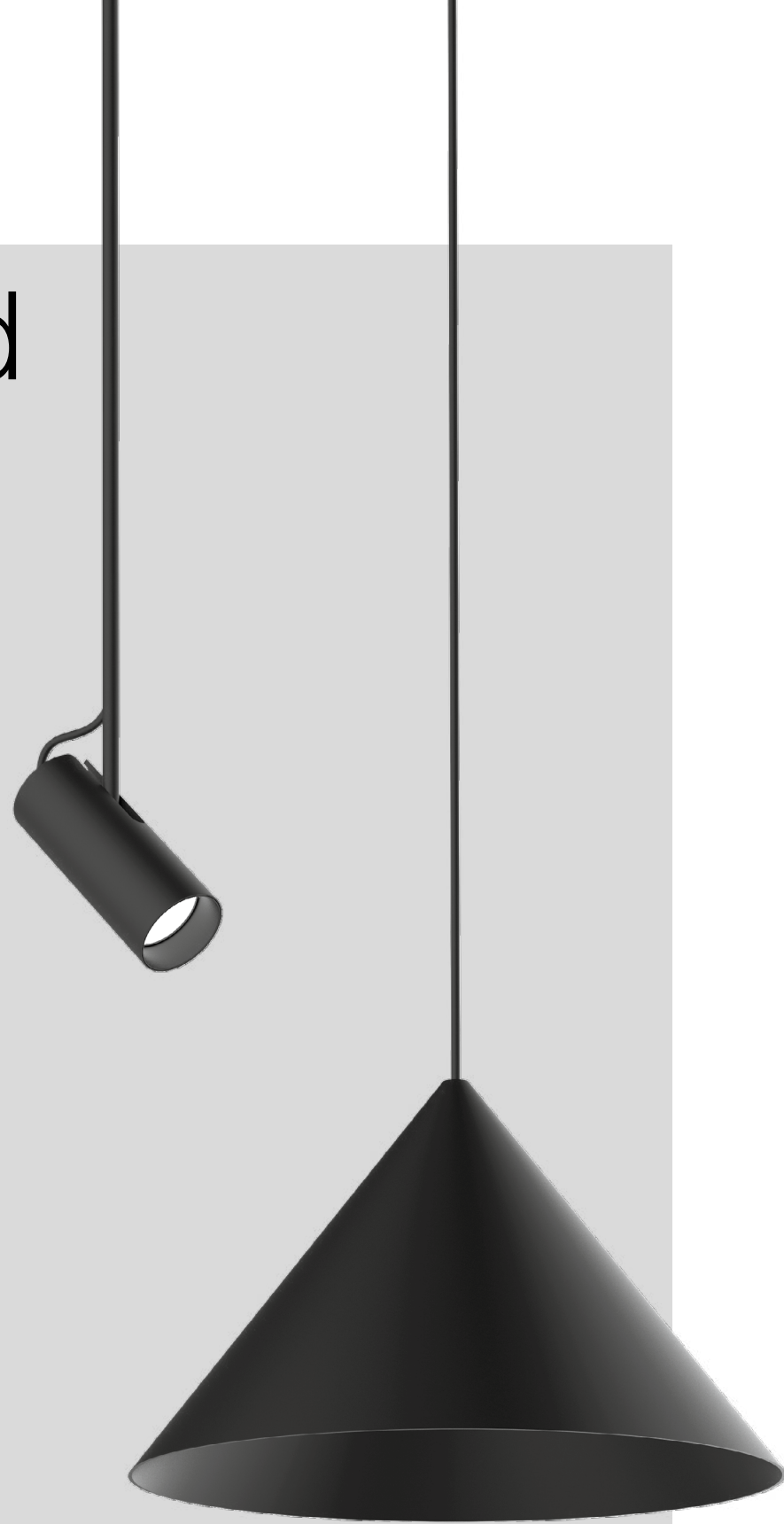


**Global Timber** Århus, DK –  
by RAVN architects with lighting  
design by Rikke Sølvsteen





# Arrange the mood

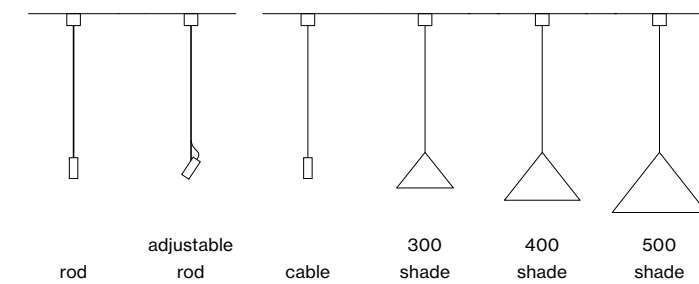


## ARY

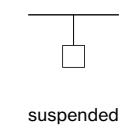
**EN** ARY simultaneously serves lighting and decor. The suspended spotlight luminaire amazes with various selectable beam characteristics and excellent colour rendering ( $CRI \geq 90$ ). ARY's adjustable rod variant is maximally mobile. The spotlight head can be turned by  $320^\circ$  and tilted by  $90^\circ$ . The cable variant offers a choice of different shades to match the colour and size perfectly to your interior design. Separate ceiling rings create even more design freedom. The lights can be repositioned at will and grouped into exciting arrangements using the hooks. ARY is also available as a light inset for the elegant MOVE IT track system.

**ES** ARY es iluminación y un objeto de decoración al mismo tiempo. Esta luminaria de foco suspendida seduce por sus diversos ángulos de proyección, por su elegante diseño y una excelente reproducción cromática ( $CRI \geq 90$ ). En su versión orientable, ARY ofrece una flexibilidad excepcional: el cabezal del proyector puede girarse  $320^\circ$  e inclinarse  $90^\circ$ . La versión en suspensión dispone de una selección de pantallas que permiten armonizar el color y tamaño con la arquitectura del espacio a la perfección. Adicionalmente, podemos instalar la luminaria con unas anillas de techo que proporcionan una mayor libertad de diseño, permitiendo repositionar las luminarias una y otra vez mediante ganchos y agruparlas en elegantes configuraciones. ARY también está disponible como elemento independiente para el elegante sistema de carril MOVE IT.

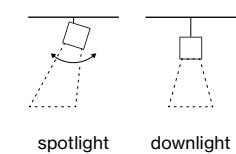
### Types



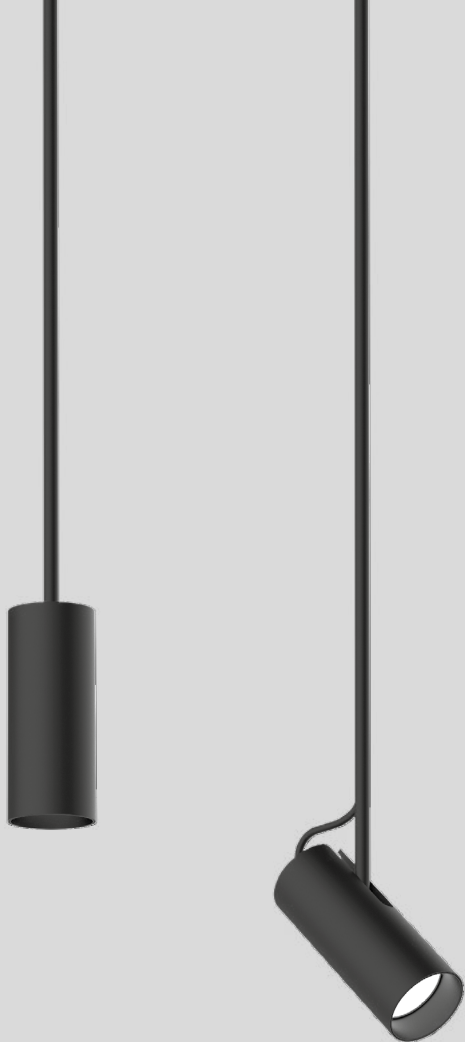
### Mounting



### Light distributions



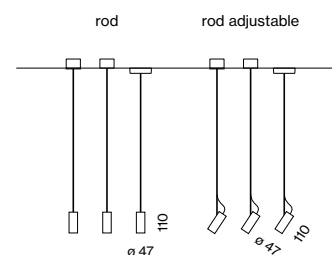




### Quickinfo

2700 K, 3000 K, 4000 K  
 CRI ≥ 90, 3 SDCM  
 up to 95 lm/W  
 L90 @ 50 000 h  
 non DIM, DALI-2, Casambi

### Types




### Colours




### Light distributions



### Order options

**MOUNTING**   
 suspension 1500 mm 1  
 suspension 2000 mm with hook\* 2

\*one ring included

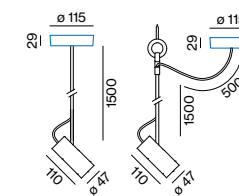
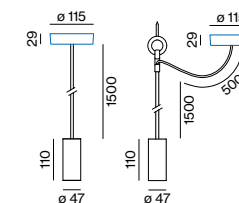
**COLOUR TEMPERATURE**   
 2700 K 4  
 3000 K 5  
 4000 K 6

**MATERIAL COLOUR**   
 ○ traffic white RAL 9016 7  
 ● jet black RAL 9005 8  
 ● special colours\*  p. 992 X

\*rod always in white

**ACCESSORY COLOUR**   
 ○ traffic white RAL 9016 7  
 ● jet black RAL 9005 8

**BEAM ANGLE**   
 medium 25° M  
 flood 44° F



### ARY rod suspended



**DOWNLIGHT**  
**INSET POWER** 8.4 W 18 Vf 500 mA  
**LUMINOUS FLUX** 791 lm  
**ORDER CODE** 0 4 9 - 5 2 1 :: 1 

### ARY adjustable rod suspended






**SPOTLIGHT ADJUSTABLE**  
**INSET POWER** 8.4 W 18 Vf 500 mA  
**LUMINOUS FLUX** 791 lm  
**ORDER CODE** 0 4 9 - 5 3 1 :: 1 

### Mounting accessories






**CANOPY CEILING** 220-240V AC, 50-60Hz, PC I

TYPE	EFFICIENCY	Ø-H (mm)	ORDER CODE
500 mA   non DIM	η 79 %	115-29	0 0 5 - 2 6 0 1 1 1 
500 mA   DALI-2	η 81 %	115-29	0 0 5 - 2 6 0 1 1 3 
500 mA   Casambi	η 80 %	115-29	0 0 5 - 2 6 0 1 1 9 

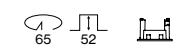
use for suspension with rod





**CANOPY CEILING** 220-240V AC, 50-60Hz, PC I

TYPE	EFFICIENCY	Ø-H (mm)	ORDER CODE
500 mA   non DIM	η 79 %	115-29	0 0 5 - 2 6 0 2 1 1 
500 mA   DALI-2	η 81 %	115-29	0 0 5 - 2 6 0 2 1 3 
500 mA   Casambi	η 80 %	115-29	0 0 5 - 2 6 0 2 1 9 

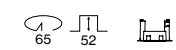
use for suspension with hook





**MOUNTING SET WITH TRIM** for installation in ceilings from 2-25 mm

TYPE	Ø-H (mm)	ORDER CODE
single luminaire rod	77-49	0 0 5 - 3 5 2 2 0 1 
single luminaire cable*	77-49	0 0 5 - 3 5 2 1 0 1 

\*use for suspension with hook



**MOUNTING SET TRIMLESS** for installation in plasterboard ceilings 9-25 mm

TYPE	Ø-H (mm)	ORDER CODE
single luminaire rod	75-48	0 0 5 - 3 5 1 2 0 1 7 
single luminaire cable*	75-48	0 0 5 - 3 5 1 1 0 1 7 

\*use for suspension with hook



**SPECIAL MOUNTING TOOL**

TYPE	Ø-H (mm)	ORDER CODE
special mounting tool	100-9	0 6 3 - 8 9 1 2 1 1 0 

necessary to install mounting set trimless





**RING**



TYPE	Ø-H (mm)	ORDER CODE
ceiling mounted	50-88	0 5 0 - 0 5 1 0 2 1 

### Electrical accessories

**POWER SUPPLY** 220-240V AC, 50-60Hz, PC II

TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
500 mA   non DIM	η 80 %	65-39-20	0 0 2 - 9 0 7 3 2 
500 mA   DALI-2	η 82 %	147-33-23	0 0 2 - 9 0 7 3 3 

**DIN RAIL COMPONENTS**

TYPE	W-H-D (mm)	ORDER CODE
POWER SUPPLY 220-240 V AC 96 W   48V DC constant voltage	90-90-60	0 0 5 - 6 5 2 0 2 1 0 
LED DRIVER DALI-2 DT6 1-2 addr. 200-1050 mA settable const. current 2 × 42W   48V DC   U <sub>OUT</sub> 10-40V	36-88-59	0 0 5 - 6 1 2 1 0 3 0 

for more details and components see page 981



## ARY rod

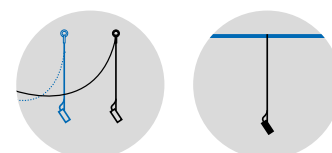
suspended

**EN** Decorative suspended luminaire in aluminium; surface powder coated; height adjustable U-profile pendant rod suspension (black or white), feed in U-profile; spotlight head either fixed or 320° rotatable and 90° tiltable; good glare reduction due to recessed light point plane; incl. high quality lens system; precise radiation characteristics with different beam angles; COB (Chip on Board) technology for maximum efficiency; no multiple shadows; energy-efficient LEDs with very good colour rendering; canopy for through wiring; converter included in canopy; ceiling mounting rings for multiple positioning of the luminaire in the room available as accessory

**ES** Luminaria suspendida decorativa de aluminio; superficie con recubrimiento de pintura en polvo; suspensión de barra pendular acortable con perfil en U (negro o blanco), cable de alimentación en perfil en U; cabezal de foco fijo o girable a 320°/inclin. a 90°; buena prevenc. del deslumbram. con plano de punto de luz retranqueado; óptica de alta calidad; proyección precisa con distintos ángulos de apertura; tecnología COB (Chip on Board) para la máxima eficiencia; sin sombras múltiples; LEDs eficientes de muy buena reproducción cromática; remate de techo para cableado; convert. integrado en remate; anillos de montaje en techo opcionales para posicionamiento múltiple de la luminaria en la sala



320° rotatable,  
90° tiltable



free positioning by  
ring and hook      track version  
available (p. 734)

**INSET POWER** is the current consumption excluding any ballast  
**LUMINOUS FLUX** value calculated for 3000 K, CRI ≥ 90, colour white, lens flood  
 2700 K -5%, 4000 K +5%



**Restaurant Le Prestine** Antwerp, BE –  
by Space Copenhagen  
with lighting design by anker & co







**Restaurant Vinea Oldenburg, DE –**  
 by neun grad architektur with lighting design  
 by CapitalReal Immobilien GmbH & Co. KG, Dennis Poelmeyer







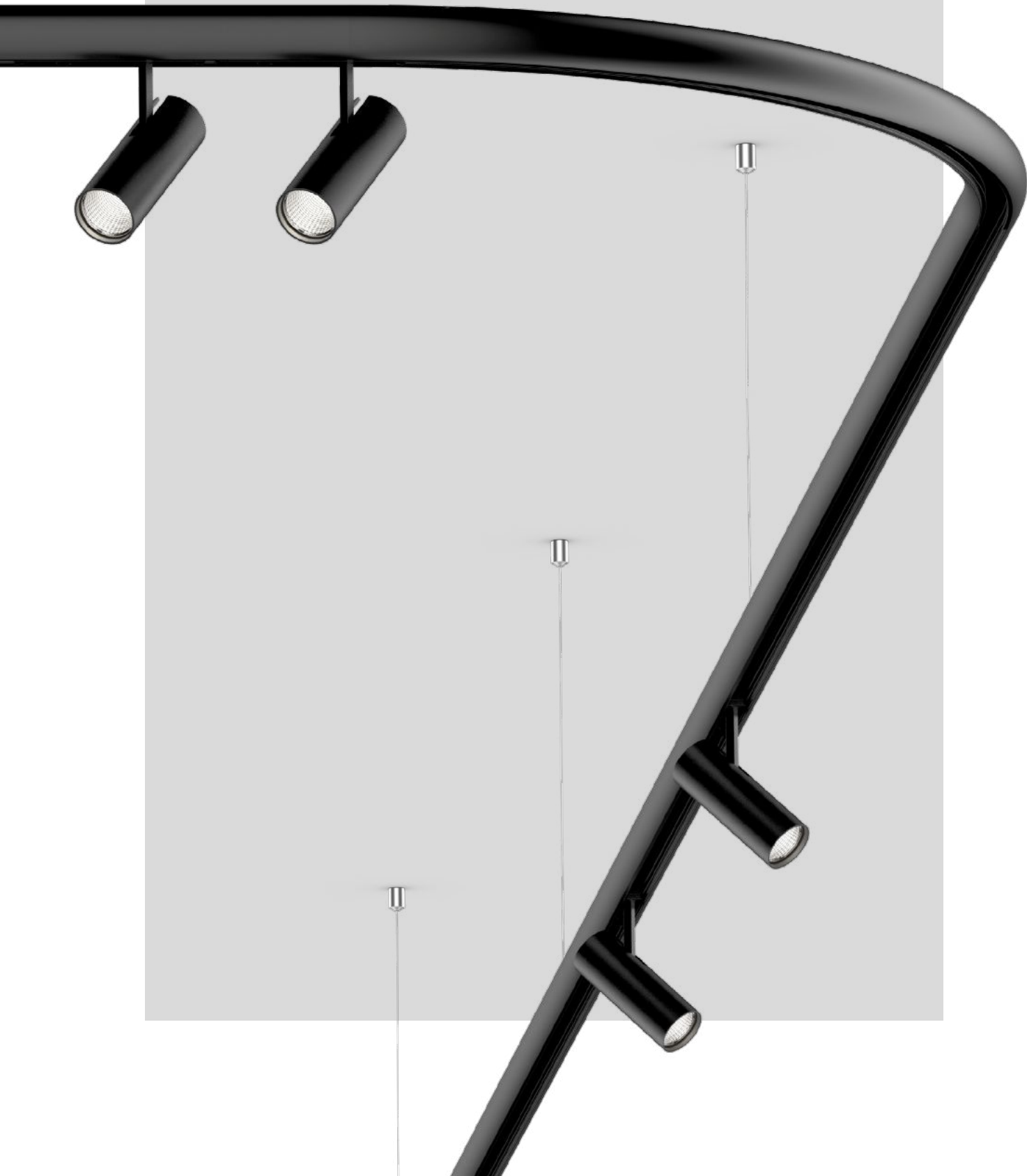


**Colliers Real-estate** Copenhagen, DK –  
by Architect Helle Nøhr with lighting  
design by anker & co





# Get on track

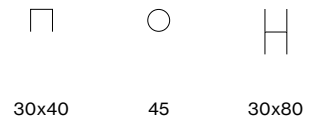


## TRACK 3-phase

**EN** A particularly elegant and versatile track system. The three-phase track is available in square, round, or H-shaped profile form. The surface-mounted and suspended versions deliver further design freedom when combined with curved and corner connectors. The suspended H-profile enables exciting ceiling accentuation through optional light insets on the top of the profile. In many variants, the adapter disappears entirely in the profile and supports the reduced look. The high-quality appearance is enhanced by choosing between the colours white, grey, and black.

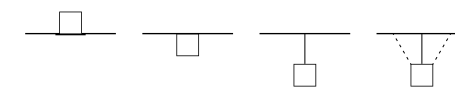
**ES** Un sistema de carril de cuidado diseño que se distingue por su versatilidad. El carril trifásico está disponible en perfiles cuadrados, redondos o en forma de H. Las versiones de superficie y suspensión, combinadas con conectores curvos y de esquinas proporcionan una total libertad de diseño. El perfil suspendido en H hace posible una acentuación del techo con elementos instalados en su parte superior. En varias versiones, el adaptador desaparece por completo en el perfil, resaltando el estilo minimalista de la luminaria. Su aspecto de gran elegancia se acentúa con una acabados en blanco, gris y negro.

### Types



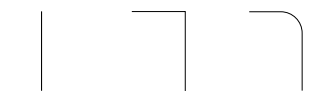
30x40      45      30x80

### Mountings



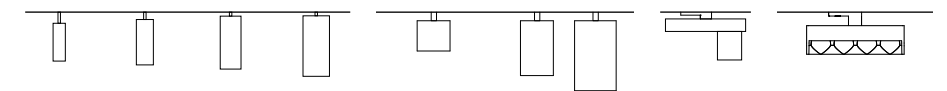
recessed      surface      suspended      indirect  
suspended

### Configurations



linear      corner      curve

### Compatible spotlights



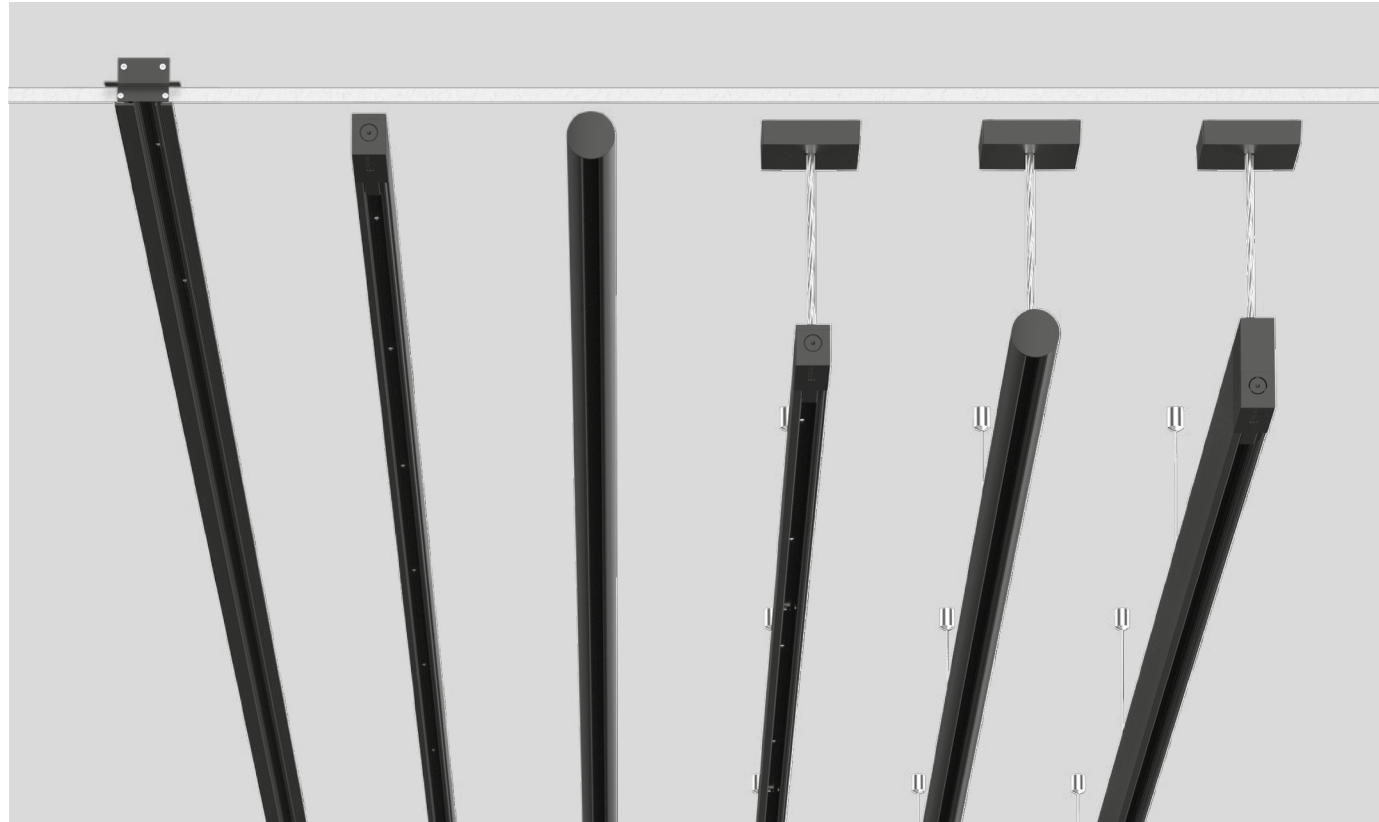
BO 32      BO 45      BO 55      BO 70      VARO 80 S      VARO 80/110      PABLO      SQUADRO



## Mounting options

EN The three-phase tracks are available as recessed, surface-mounted, and suspended versions.

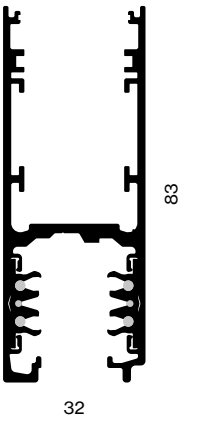
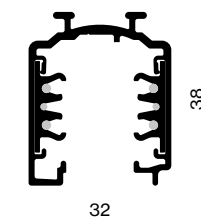
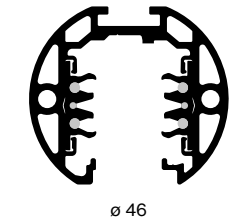
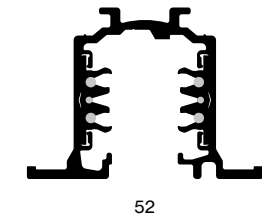
ES Los carriles trifásicos están disponibles en versiones empotradas, de superficie y suspendidas.



## Track variety

EN Available in round, square, and H-shape, the profile offers custom application options. Concealing the adapter in the profile creates a visually calm ceiling image. This concealment is available in the surface-mounted and suspended variants, in both the round and square forms. The unique feature of the suspended H-profile is that it can create indirect light by mounting, without tools, lighting insets on the top.

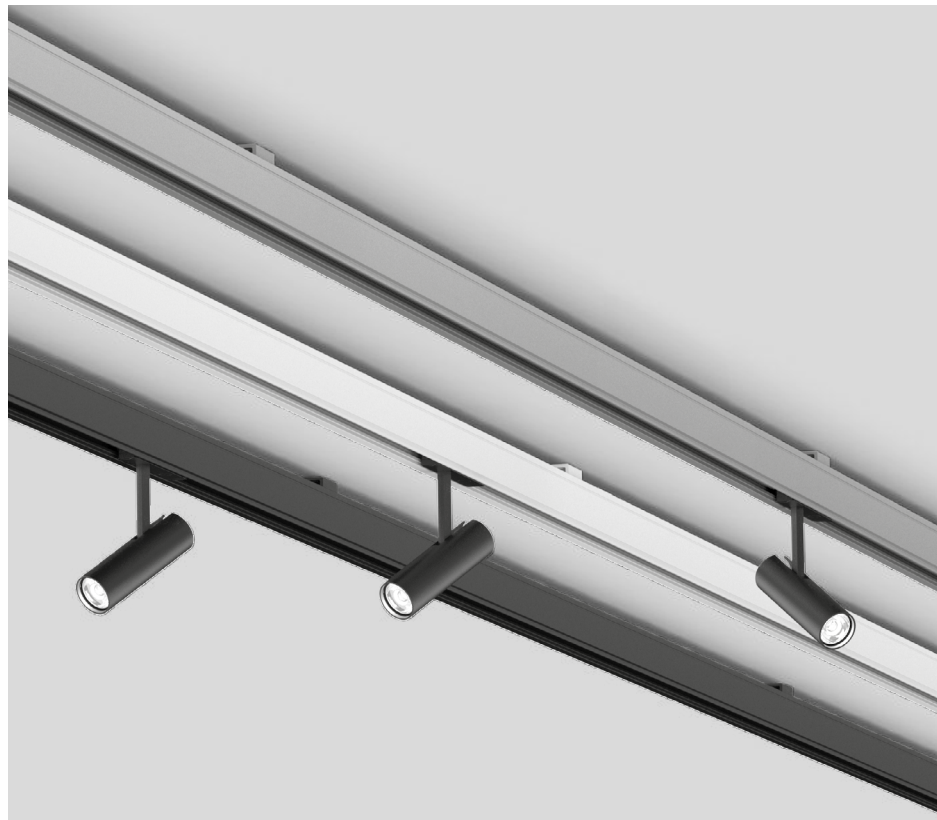
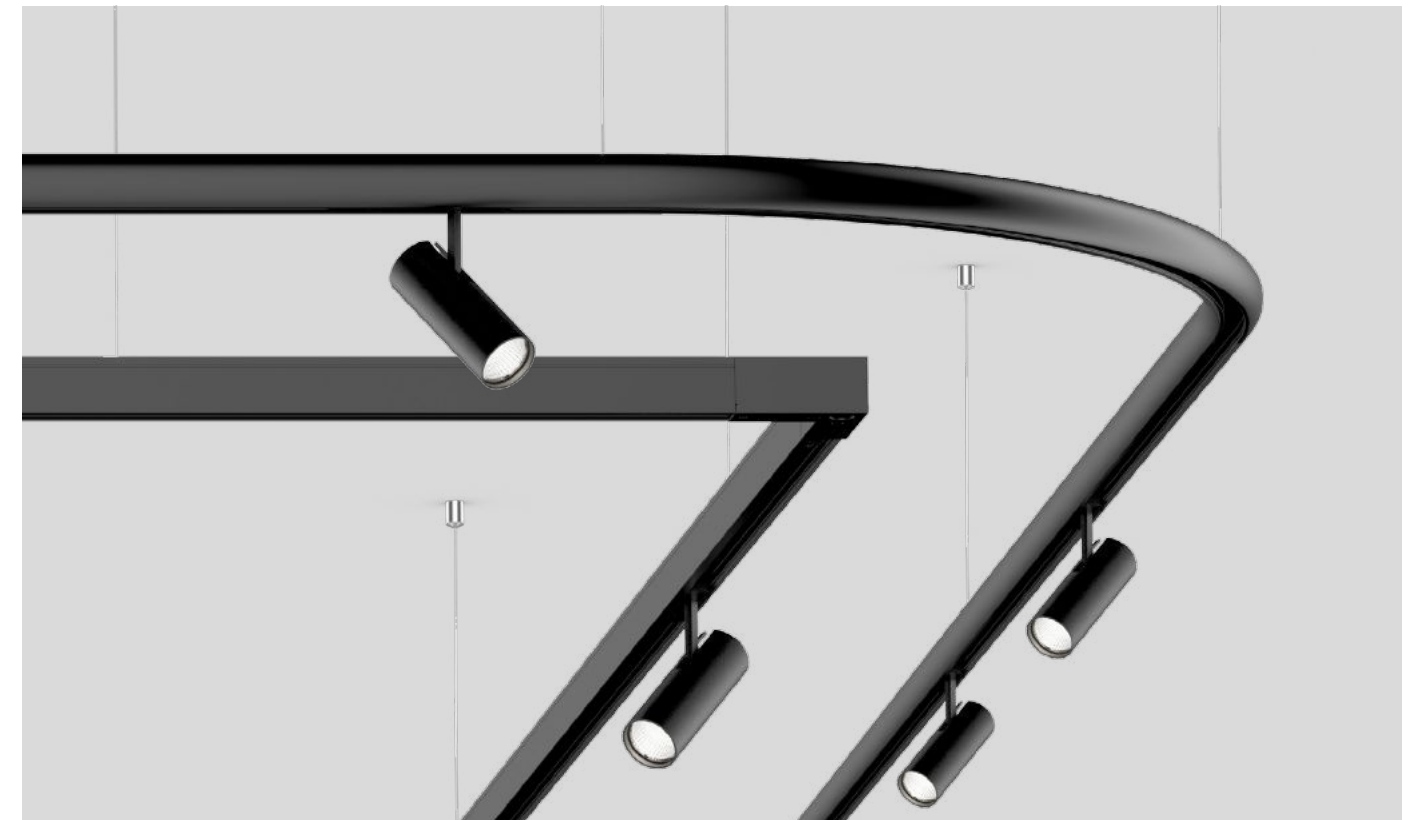
ES El perfil ofrece innumerables posibilidades de uso gracias a sus modelos redondos, cuadrados o en forma de H. En las versiones de superficie o suspendida –disponibles en forma redonda y cuadrada–, el adaptador oculto en el perfil permite obtener un patrón de techo de aspecto sosegado. La particularidad del perfil suspendido en H es que los aparatos también pueden montarse sin herramientas en la parte superior con el fin de proyectar luz indirecta.



## Curve and corner elements

EN Additional creative design options are opened when combined with curve and corner elements. The lighting system can thus be adapted to the different contours of the respective architecture.

ES La combinación con elementos curvos y en 90° hace posible aún más opciones de diseño. Esto permite adaptar el sistema de iluminación a las necesidades propias de la arquitectura de la sala.



## Colour variety

EN Tracks are available in different standard colours: white, grey, and black.

ES Los carriles están disponibles en los colores estándar blanco, gris y negro.



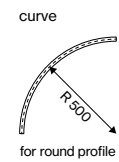
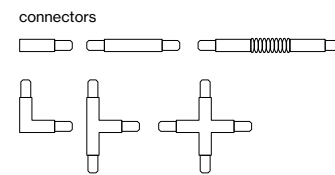
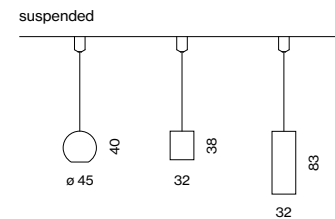
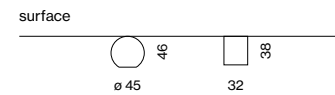
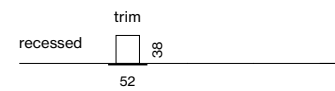


[← back](#)


## TRACK 3-phase

recessed / surface / suspended

### Types



### Colours


[← back](#)

## TRACK recessed

### Order options

#### CONTROL

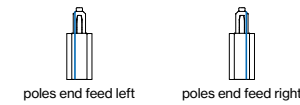
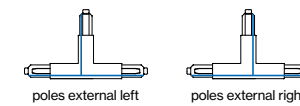
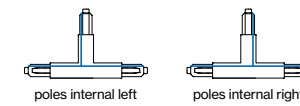
non DIM

DALI-2

#### MATERIAL COLOUR

- pure white RAL 9010 7
- jet black RAL 9005 8

### Pole options



### TRACK 3-phase/3-phase + DALI-2-bus



#### TRACK 240V-16A

L (mm)	ORDER CODE
2000	186-012213
3000	186-012313
4000	186-012413

end cap [186-022011](#)

end feed left [186-022313](#)

end feed right [186-022413](#)

middle feed [186-021323](#)

#### CONNECTORS 240V-16A

TYPE [186-021113](#)

linear connector

L-connector [186-022123](#)

L-connector right [186-022133](#)

L-connector left [186-022233](#)

T-connector right (poles internal) [186-022143](#)

T-connector left (poles internal) [186-022243](#)

T-connector right (poles external) [186-022173](#)

T-connector left (poles external) [186-022273](#)

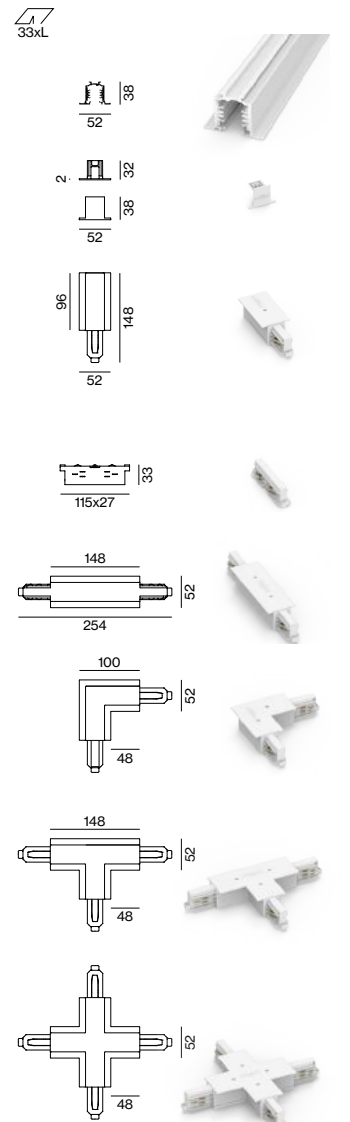
X-connector [186-022153](#)

#### MOUNTING ACCESSORIES

TYPE [186-0225110](#)

clip

cutting tool [186-0219110](#)



curve  
connector



optimised adapter  
integration



← back

# TRACK

## surface/suspended

### Order options

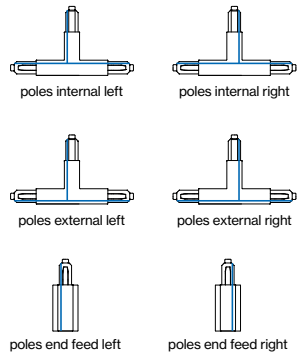
#### CONTROL

non DIM  
DALI-2

#### MATERIAL COLOUR

- pure white RAL 9010 7
- white aluminium RAL 9006 6
- jet black RAL 9005 8

### Pole options



### TRACK 3-phase/3-phase + DALI-2-bus



#### TRACK 240V-16A

L (mm)	ORDER CODE
1000	186-011123
2000	186-011223
3000	186-011323
4000	186-011423

end cap 186-021011

end feed left 186-021313  
end feed right 186-021413  
middle feed\* 186-021323

\*only available in white and black

#### CONNECTORS 240V-16A

TYPE ORDER CODE  
linear connector 186-021113

I-connector 186-021123

L-connector right 186-021133  
L-connector left 186-021233

T-connector right (poles internal) 186-021143  
T-connector left (poles internal) 186-021243  
T-connector right (poles external) 186-021173  
T-connector left (poles external) 186-021273

X-connector 186-021153

adjustable corner connector 186-021163

#### MOUNTING ACCESSORIES

TYPE ORDER CODE  
ceiling clip 186-021511

pendant clip cable 186-021521  
pendant clip rod 186-021541

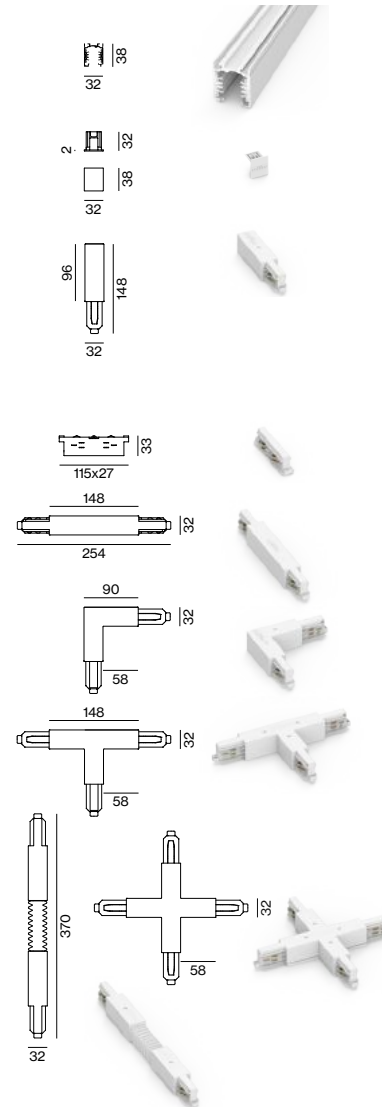
joiner piece cable 186-021531  
joiner piece rod 186-021551

cutting tool 186-0219110

#### SUSPENSION KIT

TYPE ORDER CODE  
pendant 1000 186-021611

cable 1500 186-0217110  
cable 3000 186-0217210  
cable 6200 186-0217310



← back

# TRACK high

## surface/suspended

### Order options

#### CONTROL

non DIM  
DALI-2

#### MATERIAL COLOUR

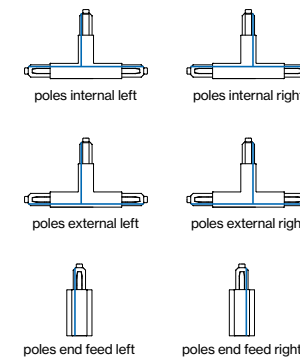
- pure white RAL 9010 7
- jet black RAL 9005 8

### Options on request

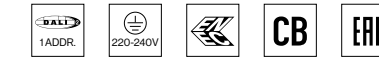
#### LIGHT OPTIC COVER

inset indirect

### Pole options



### TRACK high 3-phase/3-phase + DALI-2-bus



#### TRACK 240V-16A

L (mm)	ORDER CODE
1000	186-016113
2000	186-016213
3000	186-016313
4000	186-016413

end cap 186-026011

end feed left 186-026313  
end feed right 186-026413  
middle feed 186-021323

#### CONNECTORS 240V-16A

TYPE ORDER CODE  
linear connector 186-026113

I-connector 186-026123

L-connector right 186-026133  
L-connector left 186-026233

T-connector right (poles internal) 186-026143  
T-connector left (poles internal) 186-026243  
T-connector right (poles external) 186-026173  
T-connector left (poles external) 186-026273

X-connector 186-026153

#### MOUNTING ACCESSORIES

TYPE ORDER CODE  
pendant clip cable 186-0265210  
pendant sheet metal clip 186-0215220  
pendant clip rod 186-0265410

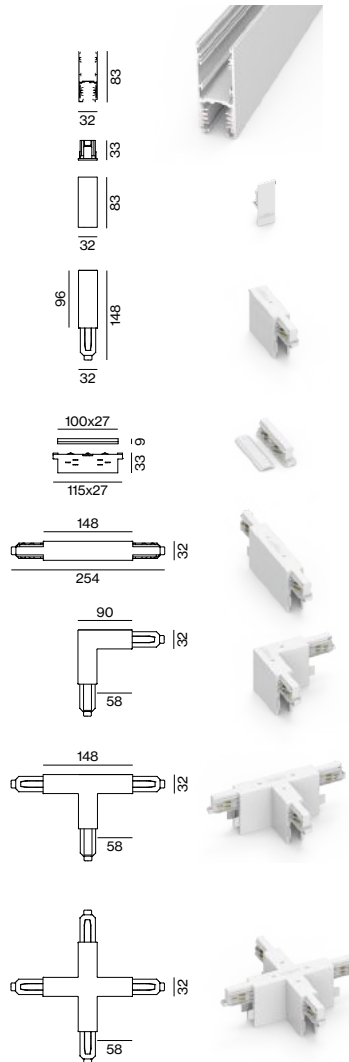
joiner piece cable 186-0265310  
joiner piece rod 186-0265510

cutting tool 186-0219110

#### SUSPENSION KIT

TYPE ORDER CODE  
pendant 1000 186-021611

cable 1500 186-0217110  
cable 3000 186-0217210  
cable 6200 186-0217310





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# TRACK round surface/suspended

## Order options

### CONTROL

non DIM

DALI-2

### MATERIAL COLOUR

- pure white RAL 9010 7
- jet black RAL 9005 8

## Options on request

### CONNECTOR

T-connector

X-connector

### MATERIAL COLOUR

- gold dust RAL 260-M

## TRACK round 3-phase/3-phase + DALI-2-bus



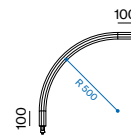
### TRACK 240V-16A

L (mm)	ORDER CODE
1000	186-015113
2000	186-015213
3000	186-015313
4000	186-015413

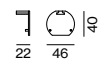


### TRACK CURVE 240V-16A

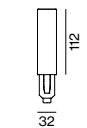
TYPE	ORDER CODE
R 500 90° left	186-015853
R 500 90° right	186-015863



end cap	186-025011
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end feed left	186-025313
end feed right	186-025413
middle feed	186-021323

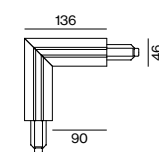


### CONNECTORS 240V-16A

TYPE	ORDER CODE
linear connector	186-021113



L-connector right	186-025133
L-connector left	186-025233



### MOUNTING ACCESSORIES

TYPE	ORDER CODE
pendant clip cable	186-025521
pendant clip rod	186-025541

joiner piece cable	186-025531
joiner piece rod	186-025551

cutting tool	186-0219110
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### SUSPENSION KIT

TYPE	ORDER CODE
pendant 1000	186-021611

cable 1500	186-0217110
cable 3000	186-0217210
cable 6200	186-0217310

