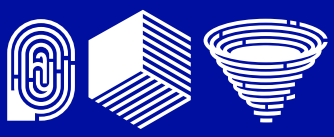
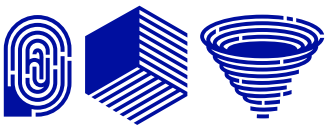


Entero.

What if
there is
only one?

DELTALIGHT®



What if there is only one?

One for all.

UNIFORM

Entero is a set of lighting tools enabling architects and designers to create discrete but diverse lighting schemes, using only one luminaire type throughout the entire project. Any project. Retail, residential, public, hospitality, art…
Any need. Any size. Anywhere.
It is the most complete family, created to excel in any environment.

COMPLETE

What if there is only one?

DIVERSE

Inside.
Outside.

Entero is engineered to perfection, both for interior and exterior applications. It enables architects and designers to achieve style continuity throughout the entire project, applying the same clean sightlines and minimal appearance to damp locations, outside ceilings and cantilevers.

HYBRID

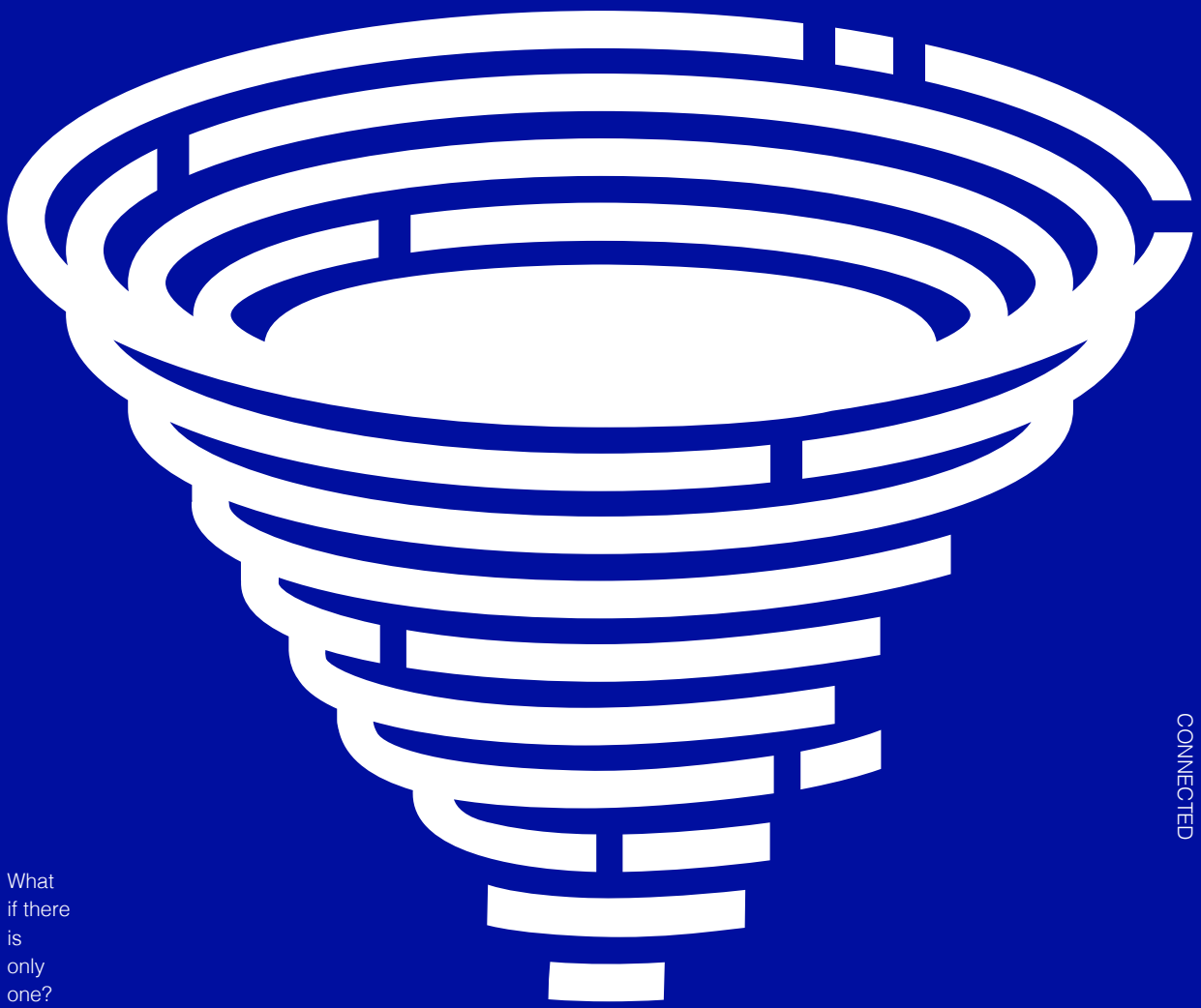
PRECISE

What if there is only one?

Intense energy.

EFFICIENT

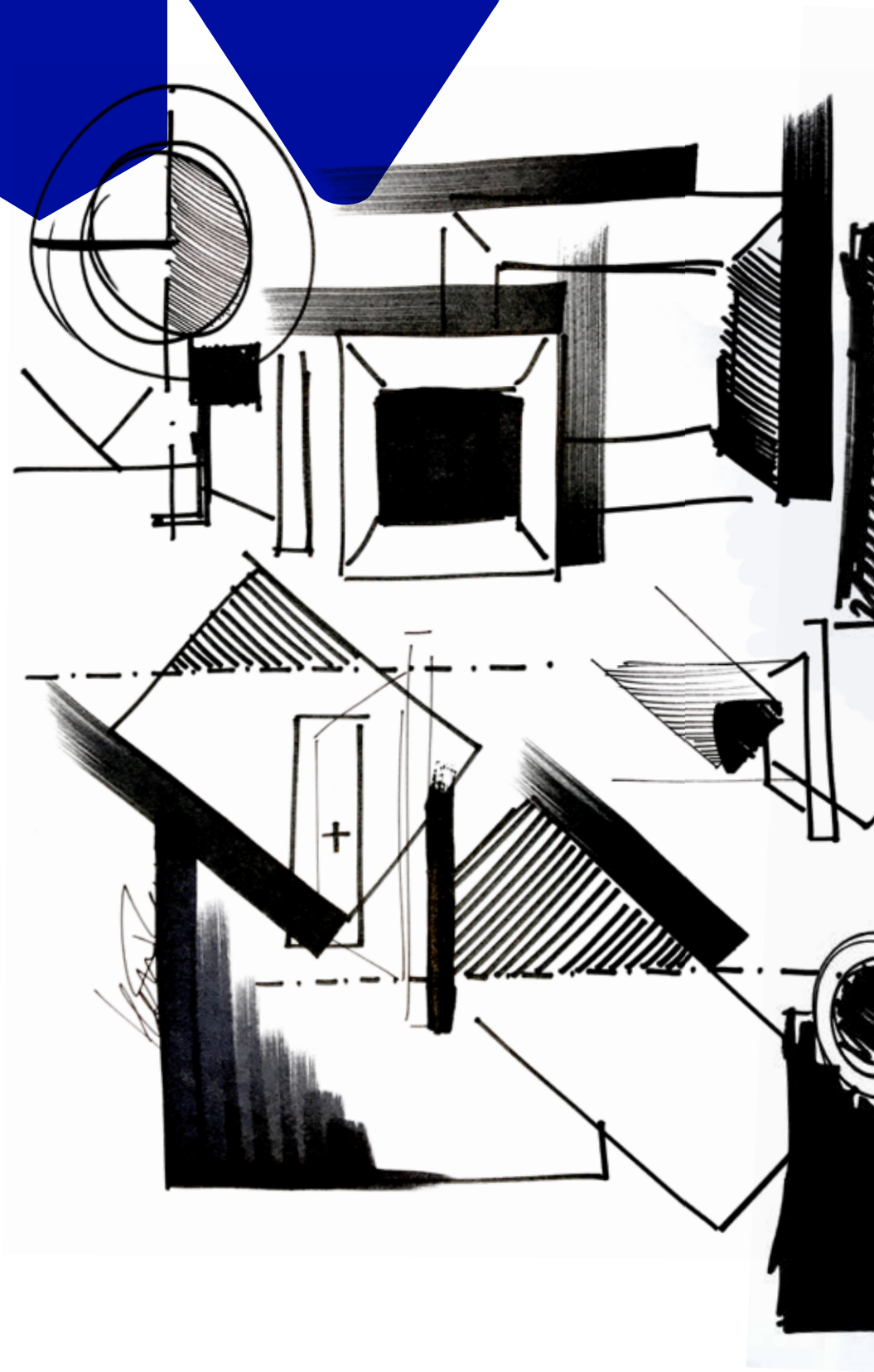
Entero was designed as an answer to the energy of creation. Crafted to add value to spaces and experiences, bringing intensity to lighting schemes. A fusion of power and elegance, comfort and precision. One single range of luminaires to illuminate with power or for atmosphere, from low and high.



CONNECTED

What if there is only one?

Entero.



[English] **Whole / Entire**

Entero.
Complete.

[È**n-tè-**ro]

adjective / containing all the pieces, whole, very great, without limit, to the largest degree possible

verb / to supply all the pieces needed, to make whole or perfect

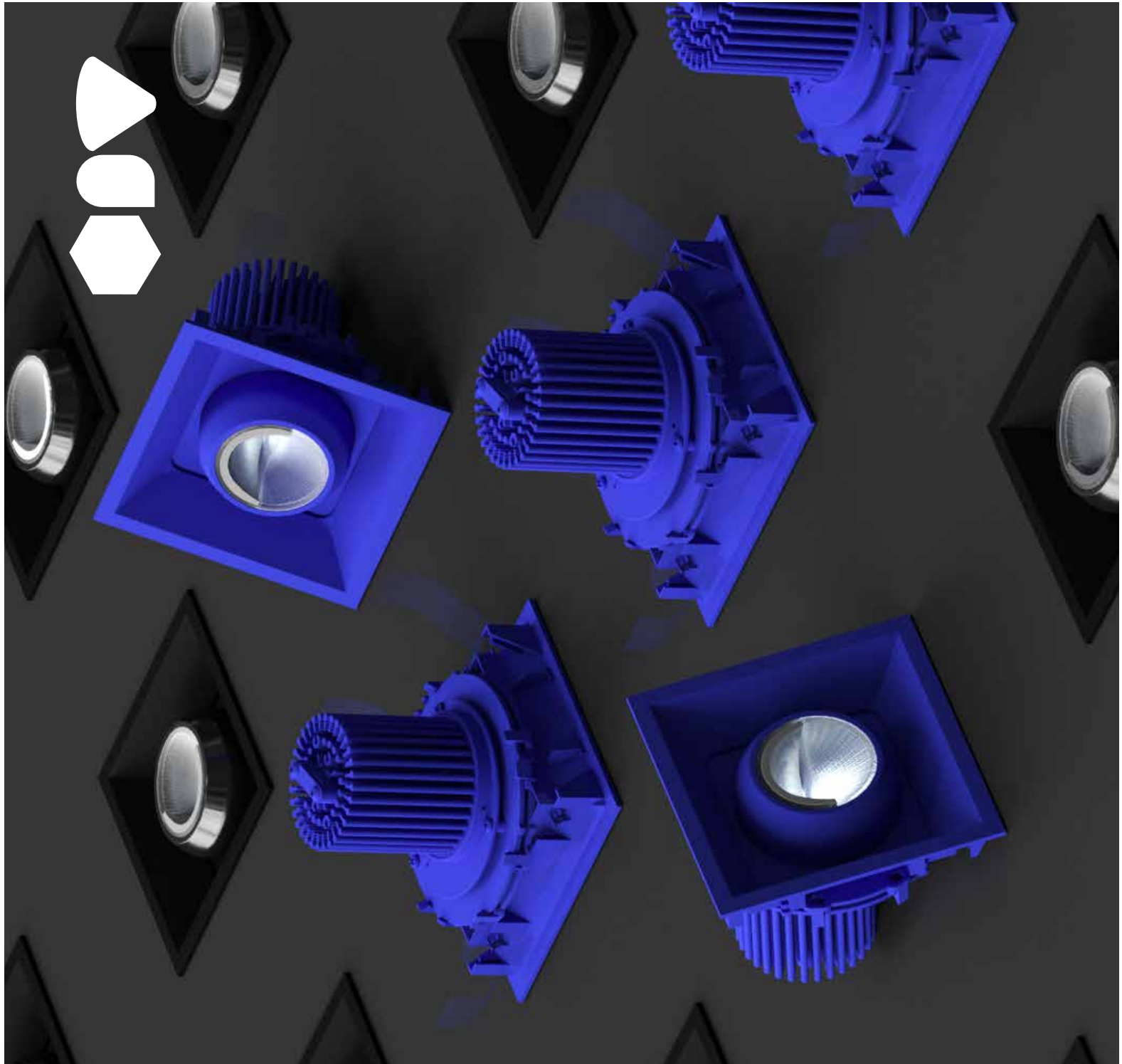
What's in a name? It's all in the name! Entero - easiest to translate as "complete".
As a verb, "to complete" is being used when you make something whole or perfect, exactly what Entero does within the Delta Light range of downlights.
It completes the range and makes it perfect to use throughout all type of applications. Be it as a highlight in the room or as a secondary unit for general illumination, to make a setting complete.

"To complete" also means to supply all the pieces needed. Entero as a range exists out of round and square luminaires, for in- or outdoor use, with different types of LED and multiple optical solutions going from superspot to wallwash, available in 3 finishes for standard or trimless installation. All pieces needed for any kind of project, from bedroom to bathroom, from corridor to terrace, from accent light to vertical illumination.

As an adjective, "complete" has some additional meanings like "very great" and "without limit". Entero has no limits.
In need of a very narrow beam? Entero! Want vertical illumination? Entero! Soft dim? Entero! Tunable white for Human Centric lighting? Entero! There are no limits… which is very great!

[Polish] **Cały**

[Icelandic] **Heill**



'Looking back to when we first saw the project sheet about Entero, it was clear this was going to be an exercise in balance. A list of must-haves and additional nice-to-haves, combined with keywords as affordable, uniform design, technical yet attractive. A challenge, but a very interesting one. Now, with the end result in hand, we can clearly state that Entero is in balance, both as a product and as a family. The individual product combines a technically perfect engineered back end with a purified front design, while the products as a family show uniform design in different sizes, different application types and different light technical aspects. A balanced outcome.'

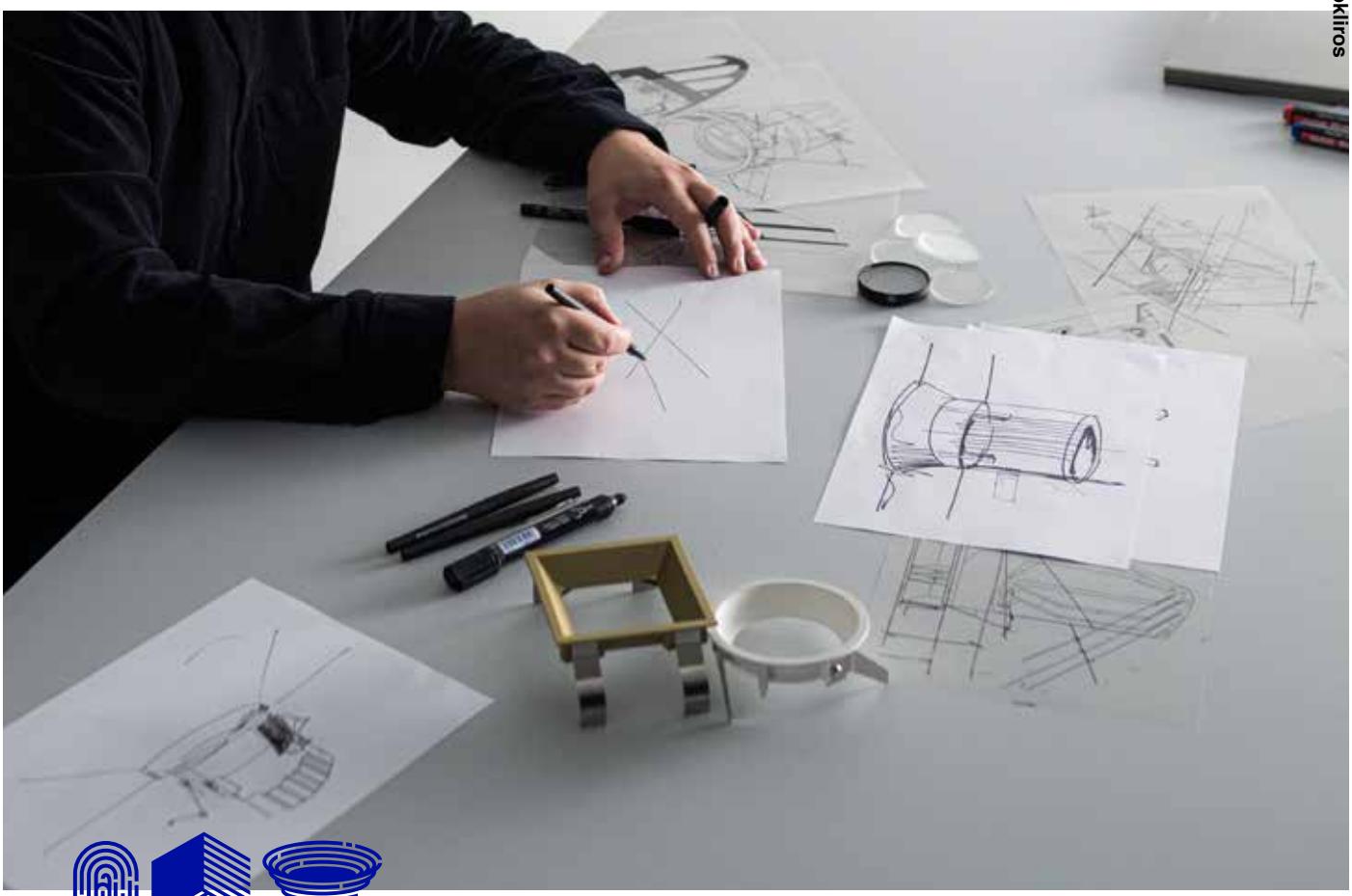
Completely as a produc as a family.

in balance,
ct and

Containing **all the pieces.**

Entero, as a product, is an easy-to-use tool in a variety of settings. Making abstraction of the product, it contains all the different pieces to make it a working tool for the lighting designer, be it on colour, LED, optic, power or installation. In the end there are 1.204 unique possibilities to choose from, up to you to choose the solution that suits you!

[Greek] **Ολόκληρος**



One for All.

Entero is derived from the Spanish language and means “complete”. A perfect summary described in 1 word, as Entero is a complete family of recessed downlights providing a solution for diverse lighting dilemmas.
The bases of Entero are 3 light units, each composed of a high-quality LED and a hybrid optical compartment. The different LEDs have a uniform colour consistency and the hybrid optics provide a comfortable light with perfectly outlined beams, making Entero easily combinable throughout an entire project.
Starting from the different light units, Entero offers a series of options in a round or square design. Available in different power levels with a multitude of beam angles, Entero comes as adjustable luminaires - with or without trim – to be used indoors, outdoors and in damp locations.
Options as Soft Dim, Tunable White and wallwash lighting make the Entero family complete.

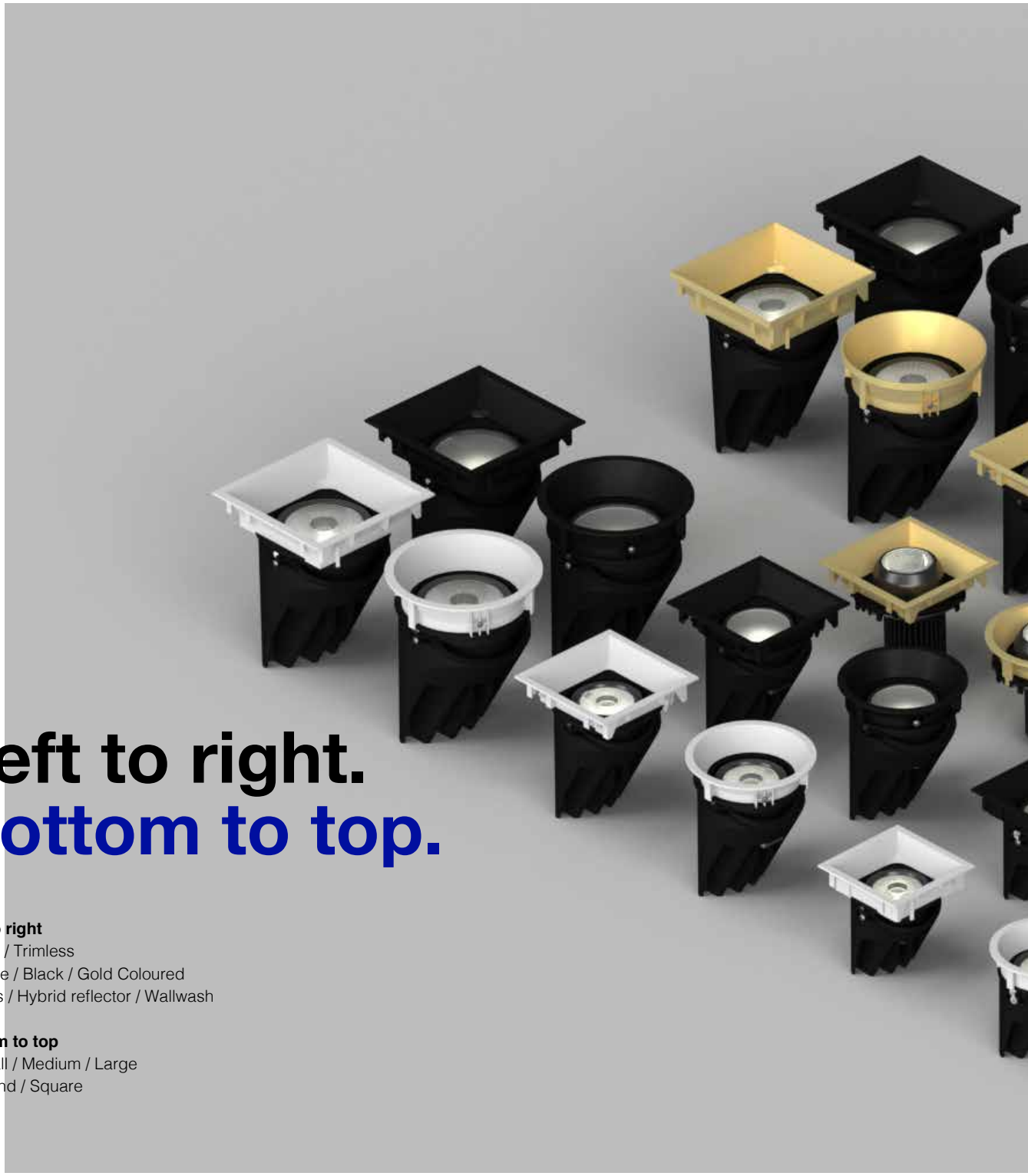
[Finnish] **Koko**

[Irish] **Iomlán**

Variety in Unity.

Although uniform in design, variety is key within the Entero range. Variety in installation, variety in shape and size, variety in application, in colour, in type of LED, in power, in light distribution, variety in light refining accessories … all within the same distinctive look and feel of Entero.

SHAPE	**ROUND**	**SQUARE**		
SIZE	Ø84 84 X 84 **SMALL** 3,9W up to 12,4W 390 up to 1470lm	Ø100 100 X 100 **MEDIUM** 3,9W up to 25W 390 up to 2800lm	Ø122 122 X 122 **LARGE** 10,7W up to 36,5W 810 up to 4580lm	
INSTALLATION	**TRIMLESS / WITH TRIM**	**TRIMLESS / WITH TRIM**		
COLOURS	BLACK	WHITE	GOLD COLOURED	
IP	**IP20**	**IP44 / 20**	**IP65**	
OPTICS	**LENS SUPERSPOT**	**HYBRIDE REFLECTOR SPOT/MEDIUM/FLOOD**	**REFLECTOR WALLWASH**	
COLOUR TEMPERATURE	**2700K**	**3000K**	**SOFT DIM 3000-1800K**	**TUNABLE WHITE 4000-1800K**	**TUNABLE WHITE 6500-2700K**
ACCESSORIES	**LINEAR SPREAD LENS**	**SPREAD LENS**	**SOFTENING LENS**	**GLASS SBL**	**HONEYCOMB**



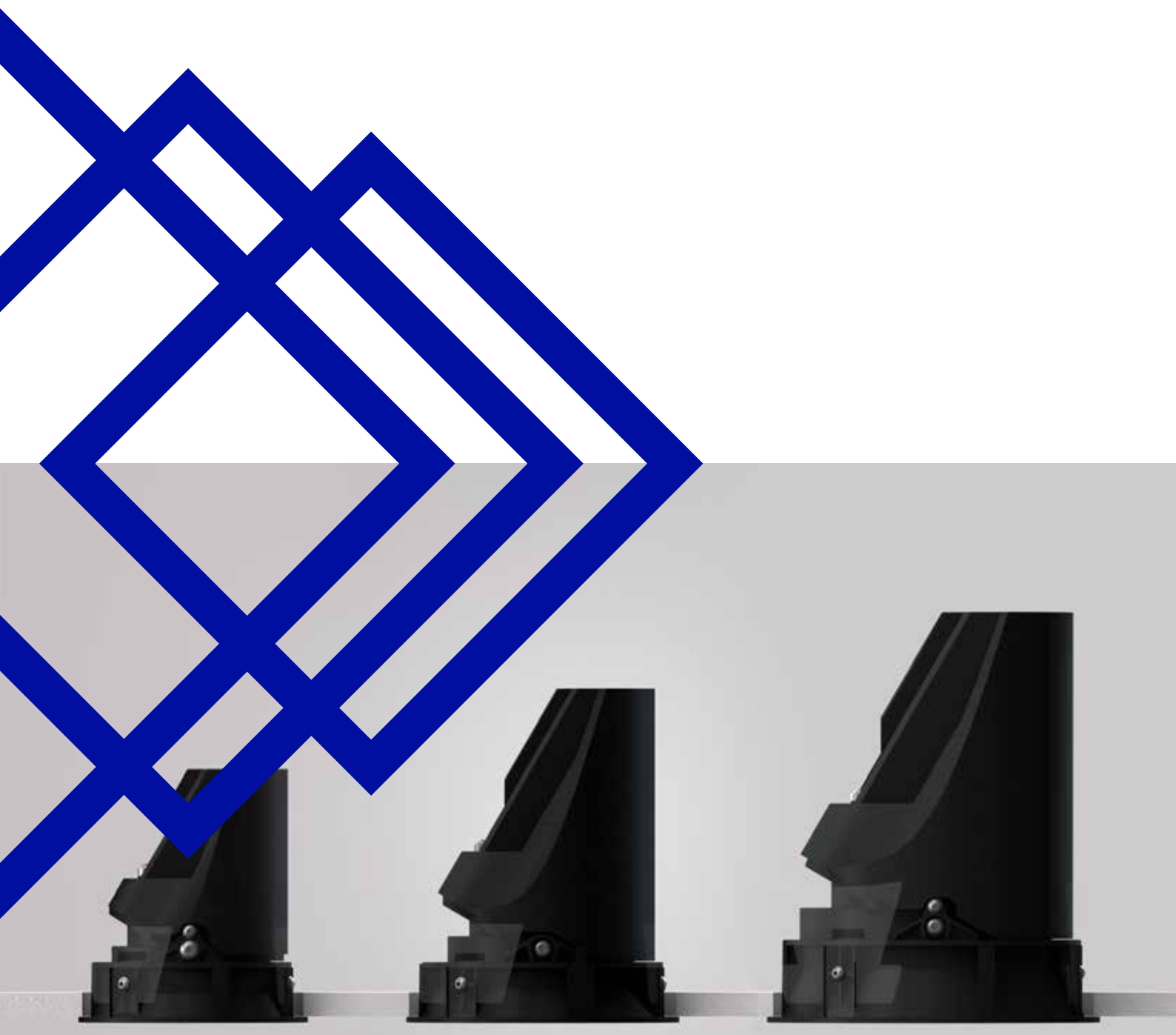
Left to right.
Bottom to top.

Left to right
▶ Trim / Trimless
▶ White / Black / Gold Coloured
▶ Lens / Hybrid reflector / Wallwash

Bottom to top
▲ Small / Medium / Large
▲ Round / Square

[Hawaiian] **Holo'oko'a**

[Latin] **Totum**



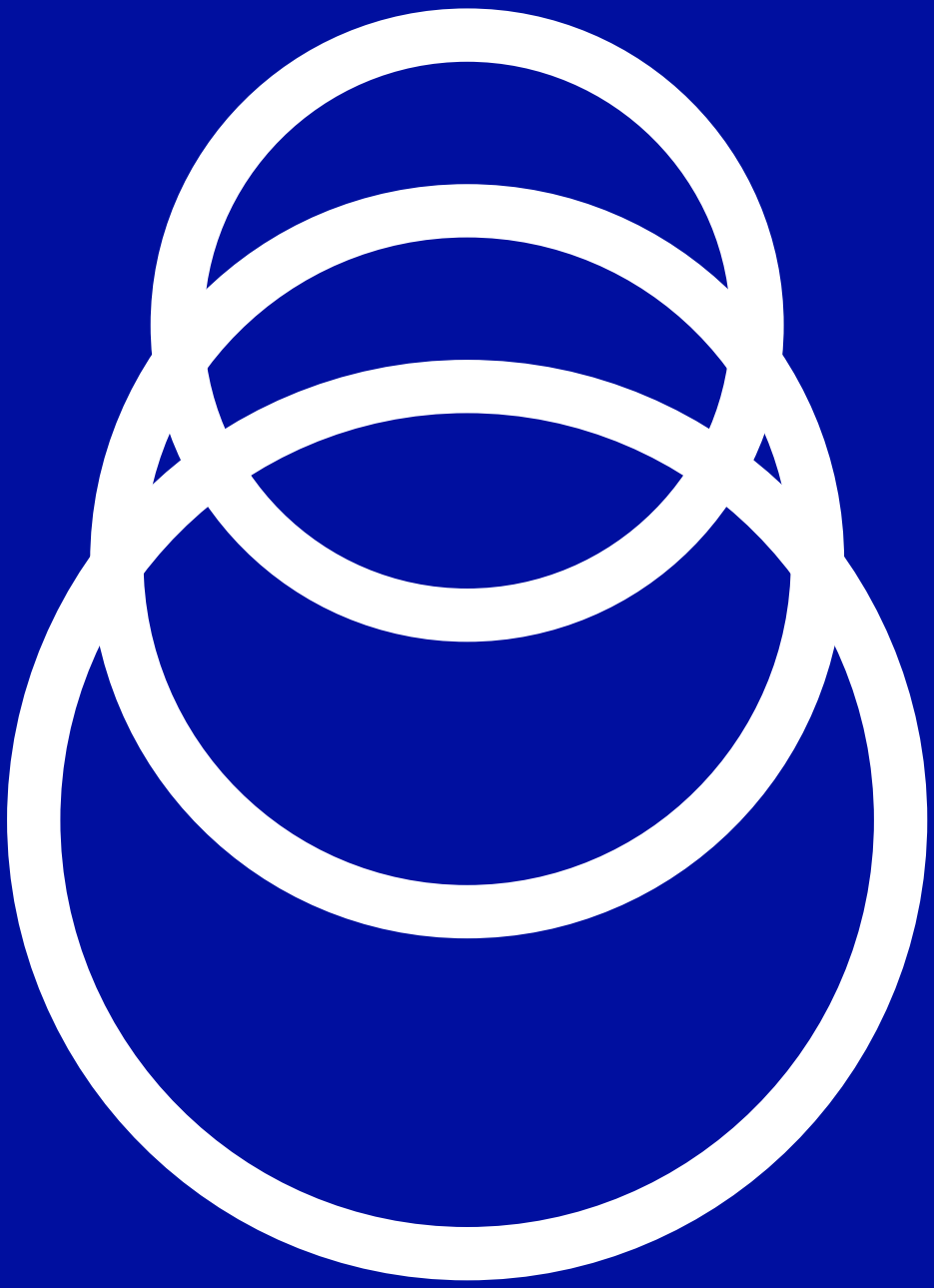
Small
Up to 1470lm
Ceiling heights up to 3m

Medium
Up to 2800lm
Ceiling heights up to 4,5m

Large
Up to 4580lm
Ceiling heights up to 6m

Small.
Medium.
Large

SCALE 1:1



TOLERANCE 0.1

PM88409XXXX

Size
is of the
essence.

Black is mystery
Black is shadow
Black is power
Black is the unknown
Black absorbs
Black empowers
Black is formal
Black is elegant
Black is black

Gold is sunny
Gold is joyful
Gold is rich
Gold is energy
Gold highlights
Gold stimulates
Gold is warm
Gold draws attention
Gold unveils

Think Colour.

White is light
White is innocent
White is pure
White disappears
White is perfection
White has no end
White has no begin
White is empty
White is unwritten

[Italian] **Totale**

Entero,
the blueprint.

HEATSINK

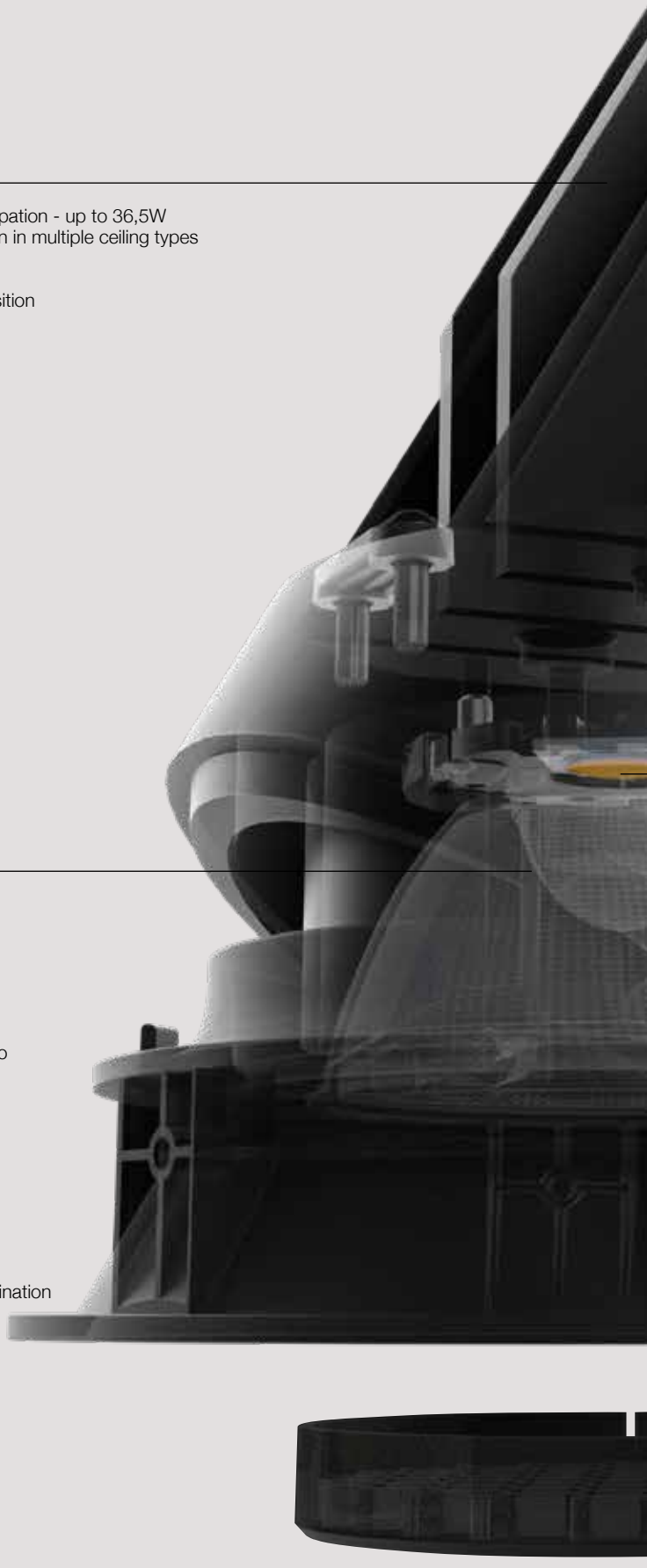
- Engineered for optimal heat dissipation - up to 36,5W
- Sloped design to allow installation in multiple ceiling types
- Orientable 0-355°
- Tiltable up to 30°
- Possibility to lock into a fixed position

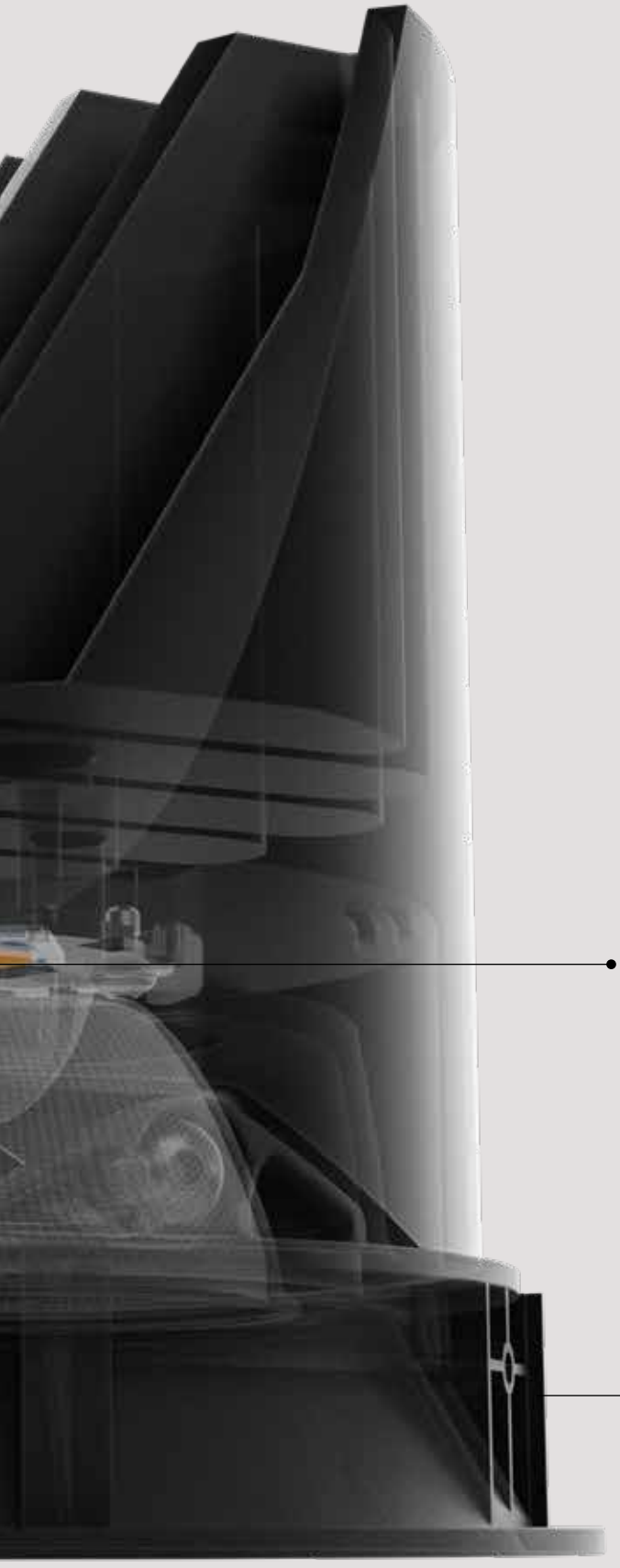
OPTICS

Interchangeable hybrid optics
- Spot, Medium, Flood
- No visible LED while maintaining the look and feel of a reflector
- Optimal colour mixing thanks to the domed shape lens
- Minimal spill light as there is full control over the light thanks to the double optics

Lens
- Superspot
- Completely controlled light beam
- Precise beam angle
- Sharp cut-off

Reflector
- Wallwash
- Bartenbach Technology
- Precise and uniform vertical illumination





LED ENGINE

Monochrome
- Colour Rendering Index 90
- Colour Consistency 1 SDCM
- Lifetime L90 B10 50.000h
- Colour Temperature: 2700K / 3000K
  3,9W – 390lm up to 36,5W – 4580lm

Soft Dim
- Colour Rendering Index 90
- Colour Consistency 2 SDCM
- Lifetime L90 B10 50.000h
- Colour Temperature: 3000K to 1800K
  8,3W – 930lm up to 16,1W – 1620lm

Tunable White
- Colour Rendering Index 90
- Colour Consistency 2 SDCM
- Lifetime L90 B10 50.000h
- Colour Temperature: 6500K to 2700K
  9W – 1090lm up to 17,8W – 2050lm
- Colour Temperature: 4000 to 1800K
  9W – 980lm

LUMINAIRE HOUSING
Round / Square
Trim / Trimless
White / Black / Gold Coloured

ACCESSORIES
Accessory holder for a range of light refining accessories
- Honeycomb
- SBL Glass
- Linear Spread Lens
- Spread Lens
- Softening Lens

Up to 2 accessories can be combined

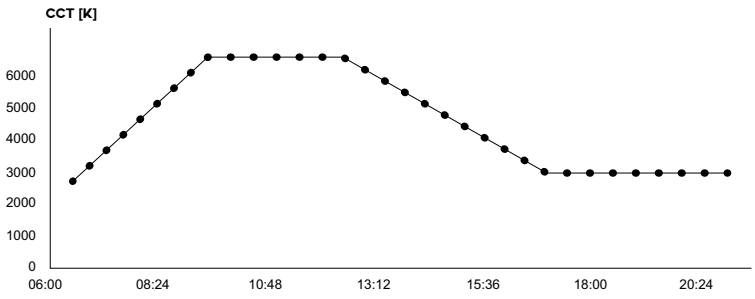
[German] **Gänzlich**

Led Engine. The beating heart.

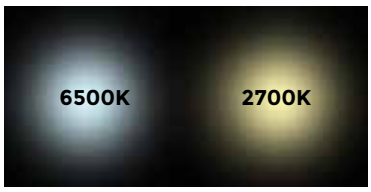
Together with the optical compartment, the LED engine is the beating heart of the luminaire. That's why only the best is good enough to use within the Entero range. Throughout the range advanced Bridgelux LED engines are being used, delivering high performance, maximum efficacy and high-quality illumination.
A colour consistency of 1 step MacAdam, Soft Dim and Tunable White are some of the key aspects that make this a strong heart.

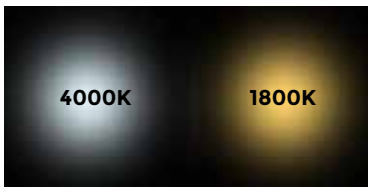
TUNABLE WHITE
Since its creation, Delta Light has embraced a continuous innovation process to integrate the latest technological developments towards fixtures characterized by good colour consistency, glare mitigation, design and aesthetics. These aspects satisfy the functionality of the lighting installation and create a pleasant ambient to affect the emotions of the end-user in a positive way. Apart from the visual aspect this can also impact the circadian rhythm, as Entero Tunable White can do.

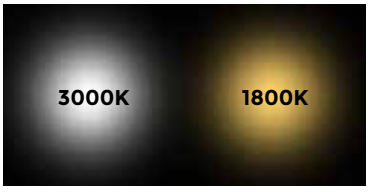
The circadian clock regulates processes such as the melatonin secretion - a hormone responsible for the sleep – and our concentration and level of alertness. The change in the working places towards indoor spaces isolates us from the natural stimulus of sunlight and therefore our circadian clock needs to be stimulated by artificial lighting emulating the daylight cycle. Entero Tunable White is an example of a luminaire that is able to simulate daylight by changing the colour temperature during the day.



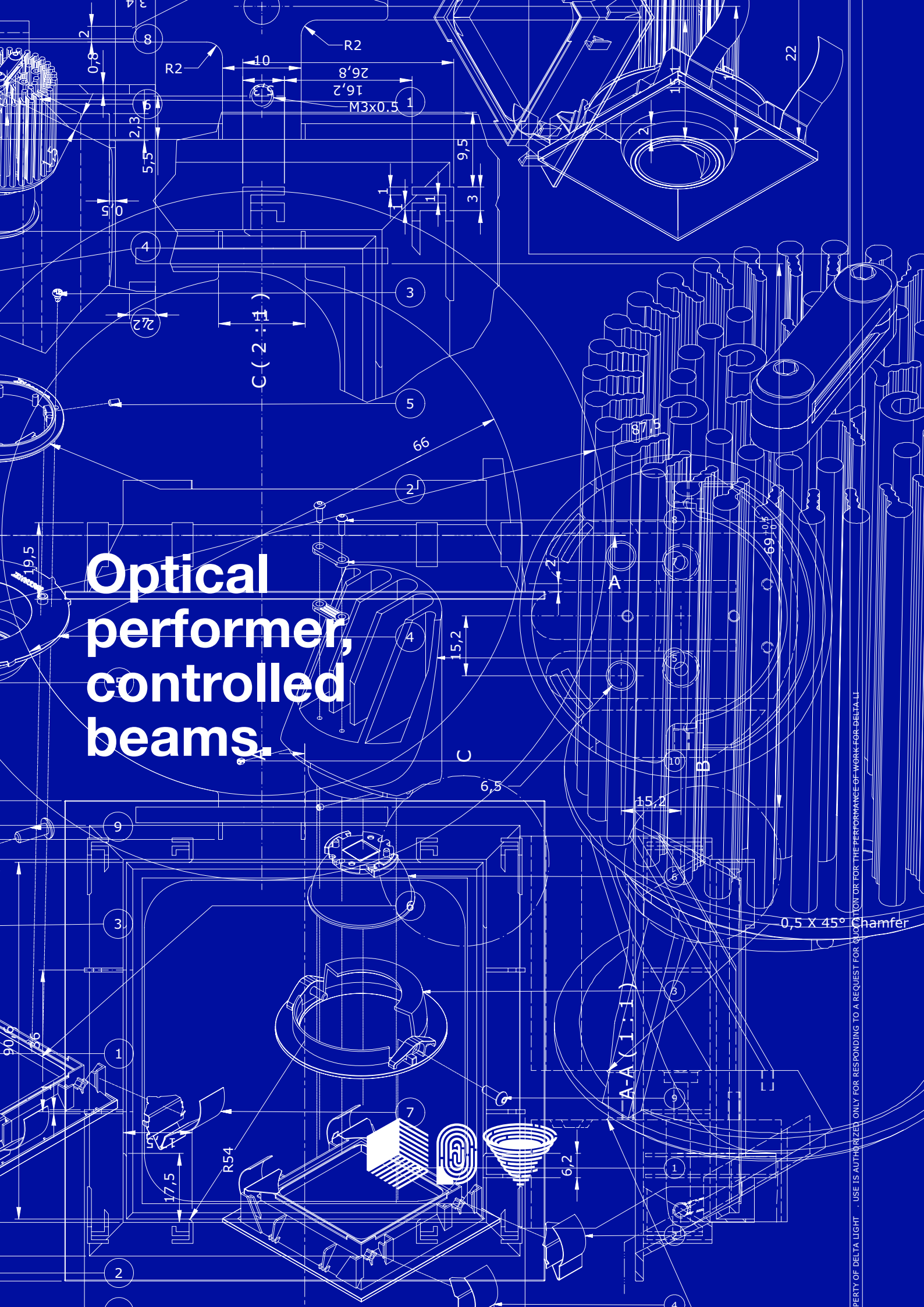
SOFT DIM
Soft Dim LED technology replicates the dimming behaviour of a conventional lamp where the colour temperature increases in warmth as it is being dimmed.
Within the Entero range,
Soft Dim is available in multiple beam angles and dims down from 3000K to 1800K. This can be done by conventional phase dimming as well as 1-10V or DALI dimming.







Optical performer, controlled beams.

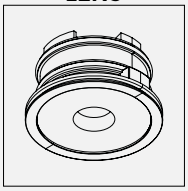


PROPERTY OF DELTA LIGHT . USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR DELTA LI

LENS FOR SUPERSPOT

To achieve the narrowest beam angle within the Entero range, we enclose the small LED chip in the center of a lens. As such, every light beam coming from the LED is being captured by the lens and guided into the desired direction. The result is a nicely delineated beam angle of 10° with a sharp cut-off, perfect to highlight the smallest objects or to create dramatic sceneries.

LENS



SUPERSPOT

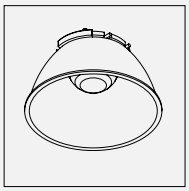
S	10°
M	10°
L	10°

INTERCHANGEABLE HYBRID OPTICS FOR SPOT / MEDIUM / FLOOD

While the superspot version makes use of a lens, Entero uses hybrid optics for the other beam angles. Hybrid as the optical compartment combines a high-efficient reflector with a small dome covering the LED. The dome serves as a mixing chamber to offer an optimal colour consistency, even when using Tunable White and Soft Dim. Next to this, it reduces the spill light to a minimum and makes the yellow LED less visible while maintaining the look and feel of a reflector luminaire. The reflector on the other hand serves to boost the efficiency to a maximum, as its high reflectance surface emits all rays of light coming from the dome in the desired direction.

The build-up of the Entero range with hybrid optics allows for an easy interchangeability,
the optical compartment can be removed easily and be replaced by another beam angle if needed, completely toolfree.

HYBRIDE REFLECTOR



SPOT

S	20°
M	18°
L	18°

MEDIUM

S	-
M	30°
L	30°

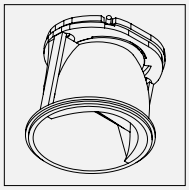
FLOOD

S	45°
M	45°
L	45°

REFLECTOR FOR WALLWASH

Apart from the symmetrical beam angles, Entero also offers an asymmetrical curve for vertical illumination. The Bartenbach reflector inside the Entero wallwash is specifically designed for recessed downlights, creating a uniform effect on vertical surfaces together with some horizontal pathway lighting.

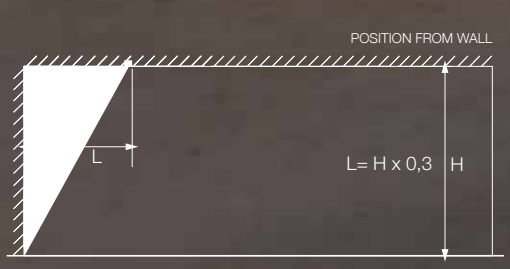
REFLECTOR

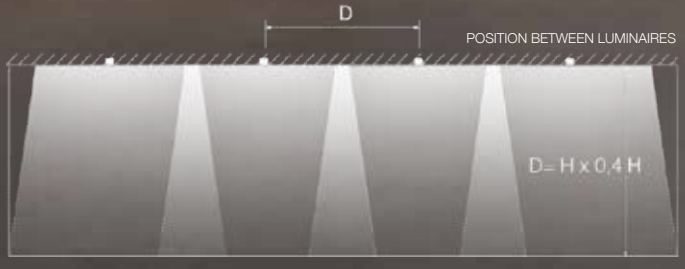


WALLWASH

S	✓
M	✓
L	-

Entero Wallwash is optimized for perfect vertical illumination from top to bottom. The specific design of the reflector even allows for bigger distances in between the luminaires, as the light coming out of the luminaire is guided forward and sideward in the best possible way. For a perfect uniform lit surface, the formulas below can be used to generate the best possible light setting.

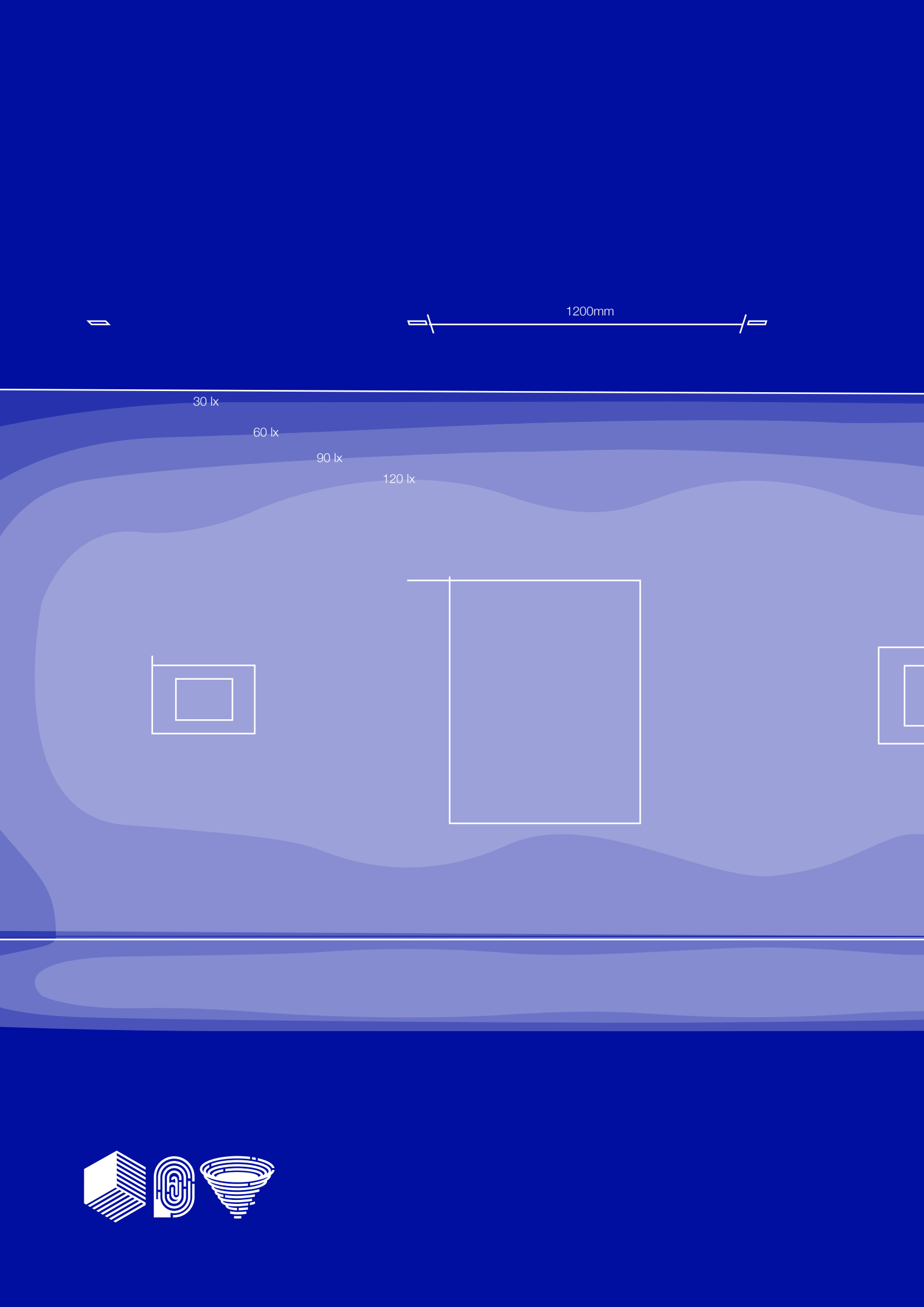


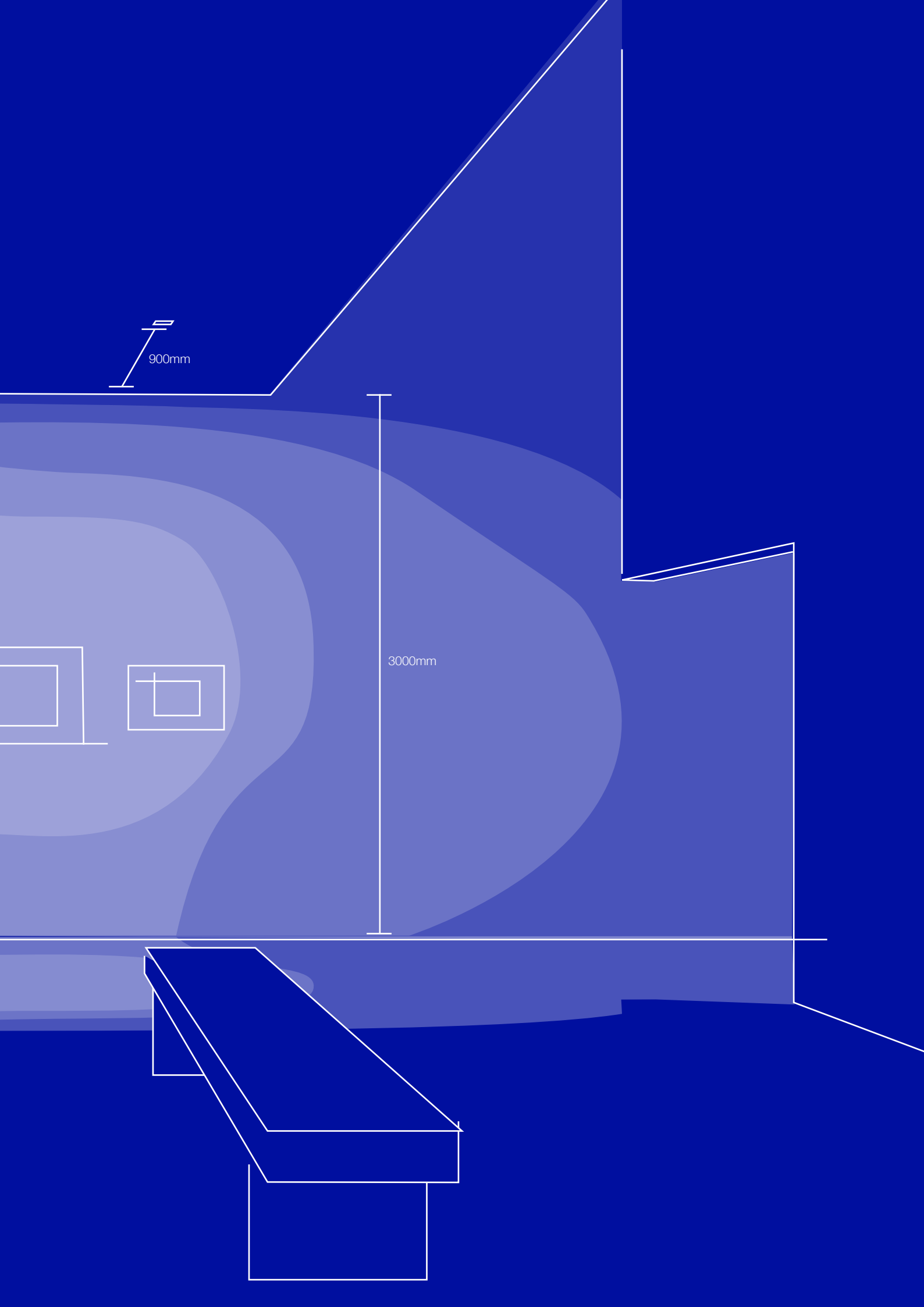


Bartenbach Technology.

For uniform wall washing.
Next to the 4 symmetrical beam angles, Entero also offers wallwash optics for an even illumination of vertical surfaces. Making use of the patented Bartenbach optic, Entero wallwash succeeds in generating a perfectly uniform lit surface with a luminaire that is completely recessed into the ceiling. In the Entero philosophy, the wallwash version comes in different shapes, sizes and installation options, perfect to fit in any lighting project.

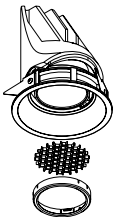
[Esperanto] **Tutaj**


1200mm
30 lx
60 lx
90 lx
120 lx


900mm
3000mm

Adjust the beam to your needs.

To offer even more flexibility and design freedom to the lighting designer, within Entero a range of light refining accessories is available to alter the light effect to the specific needs of the setting.
A honeycomb to further minimize the direct glare from the light source, a sandblasted glass to create a diffuse general light effect and 3 specific lenses to either create a more oval or a wider light distribution or to smoothen the edges and create a softer transition. Up to 2 accessories can be combined.



LINEAR SPREAD LENS

SPREAD LENS

HONEYCOMB

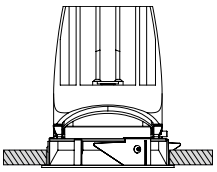
SOFTENING LENS

GLASS SBL

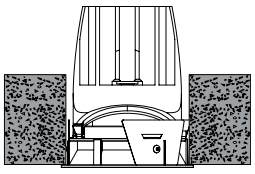
Ceiling Compatibility.

Entero is not only easy to use due to its infinite possibilities, its different installation options make it an easy to use lighting tool for lighting designers and specifiers also. Either with or without additional installation kit, Entero can be installed in several ceiling types as system ceilings, plasterboard ceilings, wooden and concrete ceilings and even stretched ceilings.

Two types of springs serve for installation in either hollow or concrete ceilings. As a standard, Entero Round comes with springs for hollow ceiling, optional a set of springs for concrete ceilings is available.



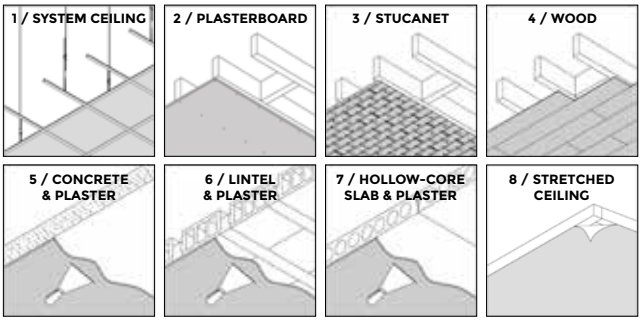
Installation of
Entero Round M
in hollow ceiling



Installation of
Entero Round M
in concrete ceiling

1 / 2 / 5 / 6 / 7 / 8
TRIMLESS

1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
WITH TRIM

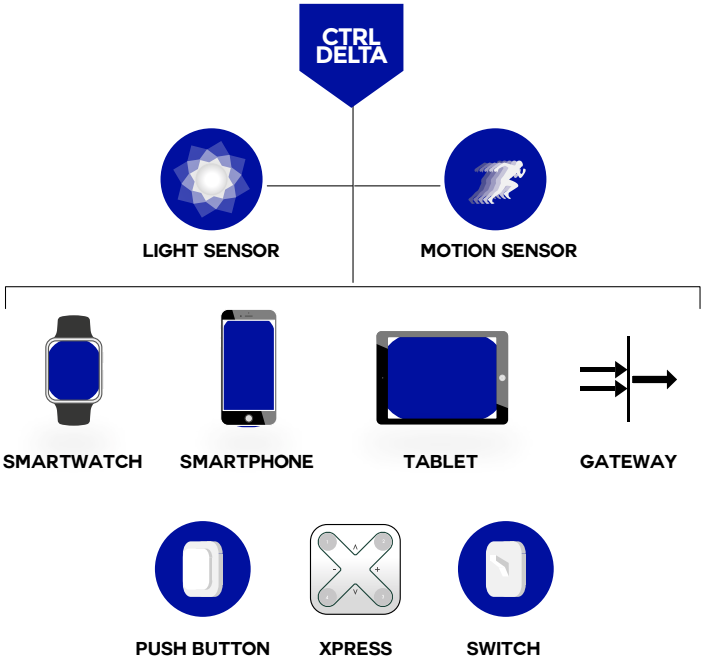


Entero connected.

Standard, all Entero luminaires come without power supply, offering a range of possibilities in the way of controlling the light. Be it to use in simple switch on-switch off settings, for dimmable sceneries or to manage everything from the Building Management System, solutions are available for both small and bigger installations.
This also allows for connected and interacting lighting schemes to be created. Simple residential settings can be controlled wireless with CTRL Delta, while bigger installations have the possibility to use the DALI-2 protocol and let the lights be controlled by sensors and interact with its surroundings.
More information on power supplies and its dimming possibilities can be found in the technical chapter.

CTRL DELTA
IDENTITY KIT

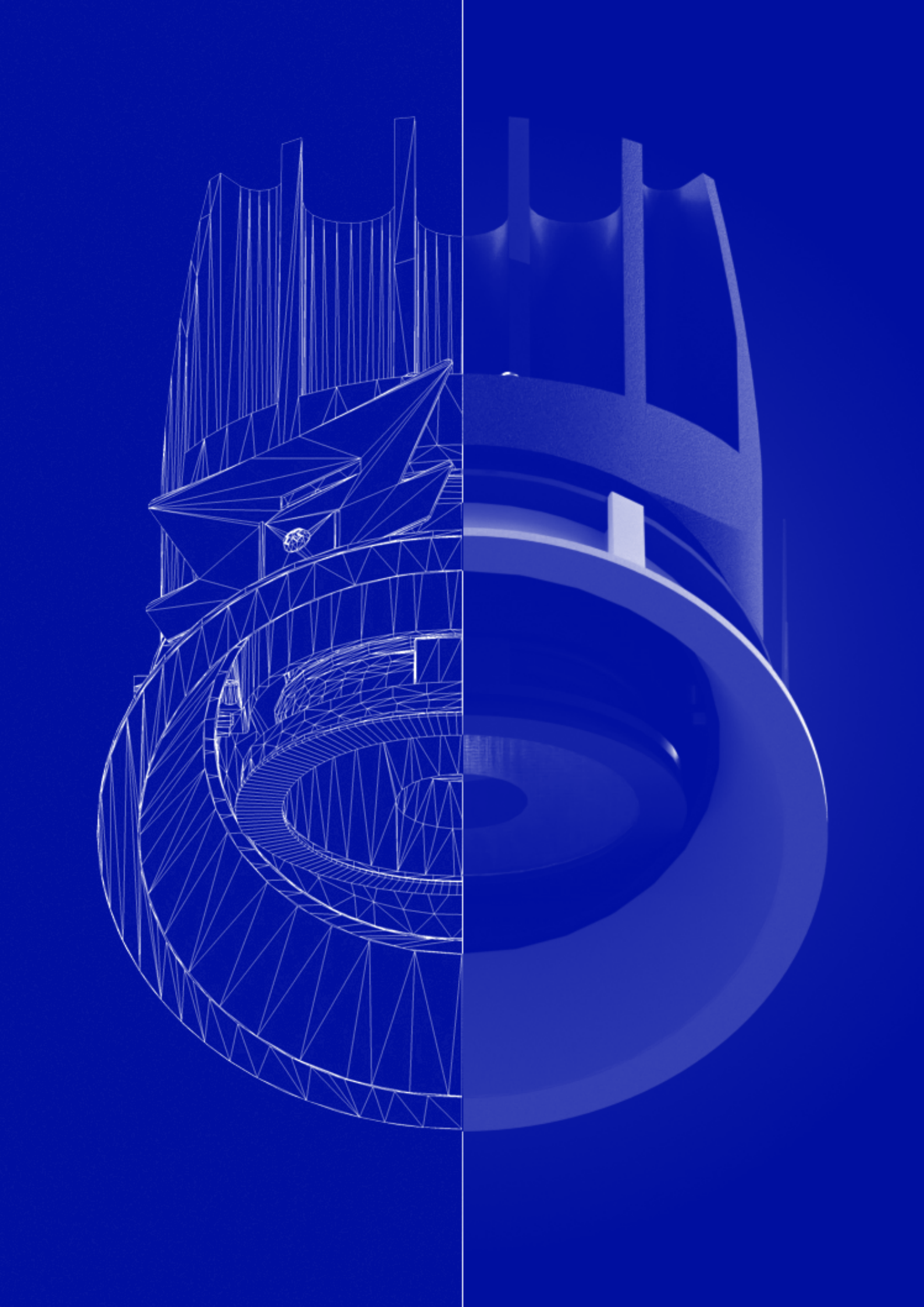
RF TECHNOLOGY	/ FREE CASAMBI APP
GATEWAY	NO GATEWAY / MESH NETWORK
MOBILE PLATFORM	/ SECURED CLOUD CONNECTION ADMINISTRATOR / USER
APPLE HOME	COMPATIBLE PENDING
WALL SWITCH	WIRELESS SWITCH PUSH BUTTON INTERFACE
NODES PER NETWORK	128 (IN & OUT)
iBEACON PROXIMITY	YES
AVAILABLE HARDWARE	1-10V DALI FE DIMMING 4 CHANNEL FLEX INTERFACE



EASY TO INSTALL.
You don't need any new wiring, switches, devices or networks.
Plug in the lighting fixture and pair it with your smartphone or tablet.
No other configurations needed.

EASY TO USE.
You can control your lights with an intuitive and visual user interface on your smartphone or tablet.

EASY TO ENJOY.
With a tap on your smartphone you can set the ambience.
With the Casambi App you can control your luminaires individual or in groups.



Reliability
for Xterior use.

The diversity within the Entero family makes it a versatile range, suitable for a multitude of applications and to fulfill various kinds of lighting needs.
Apart from interior use, Entero can also be installed in exterior settings, this to create a uniform look and feel throughout the entire project. To ensure a hassle-free answer to these harsh environments, Entero X is designed to perfection in every detail.

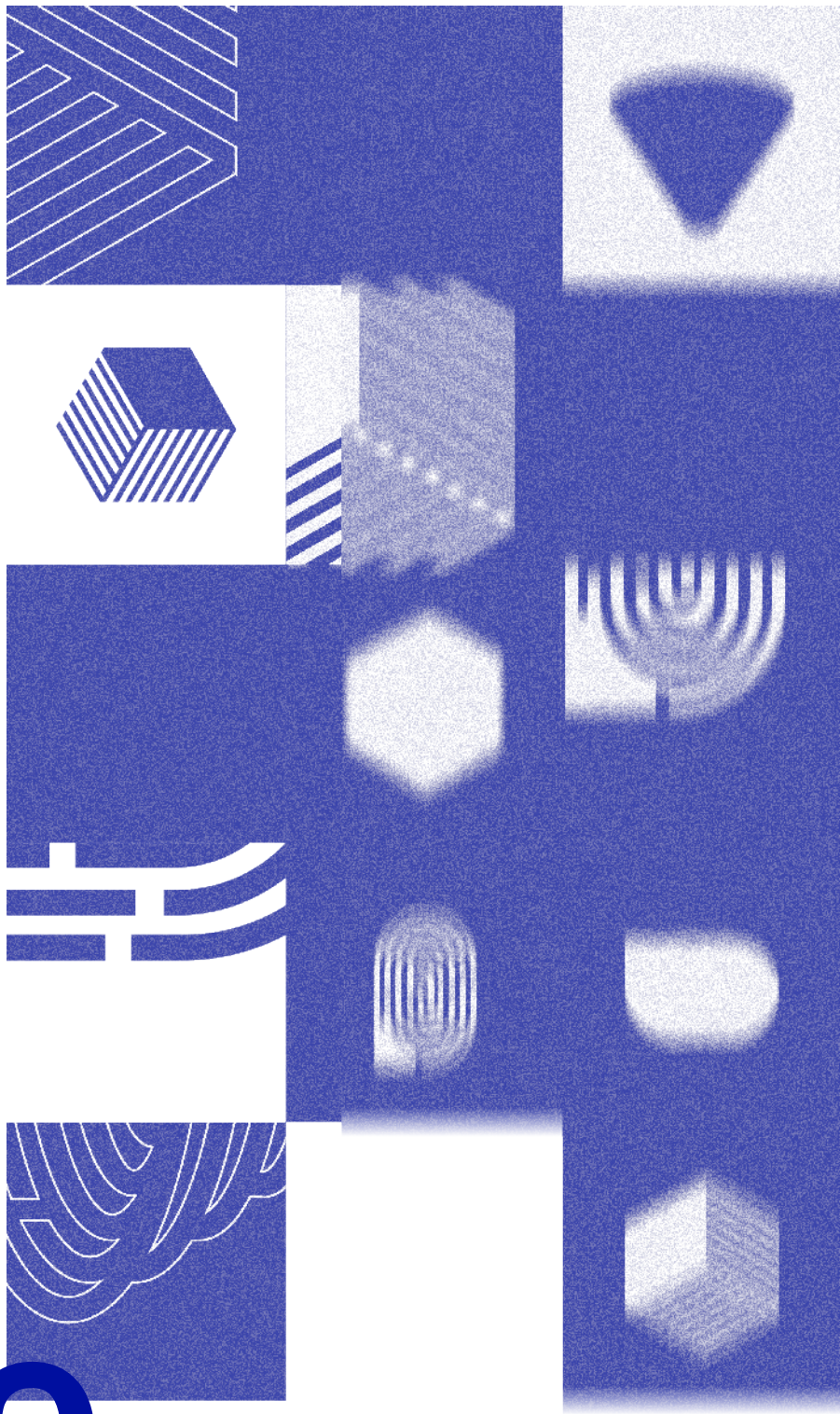
Waterproof IP65 luminaire
thanks to seal out of EPDM rubber
-
IK06 thanks to 4mm thick glass
-
UV-resistant components
for extended lifespan
-
PC front cover for high
impact & weather resistance
-
Optimized flexibility:
Tilting up to 20° & Rotating up to 355°
-
Possibility to add accessories
without opening the fixture
-

IP65 IK06

Interior Design Merijn Degraeve **/ Lighting Design** Julian Langeraert

What if there is only

to illuminate life and art?
to illuminate architecture and objects?
to illuminate with power and atmosphere?
to illuminate horizontal and vertical?
to illuminate outside and inside?
to illuminate from low and high?



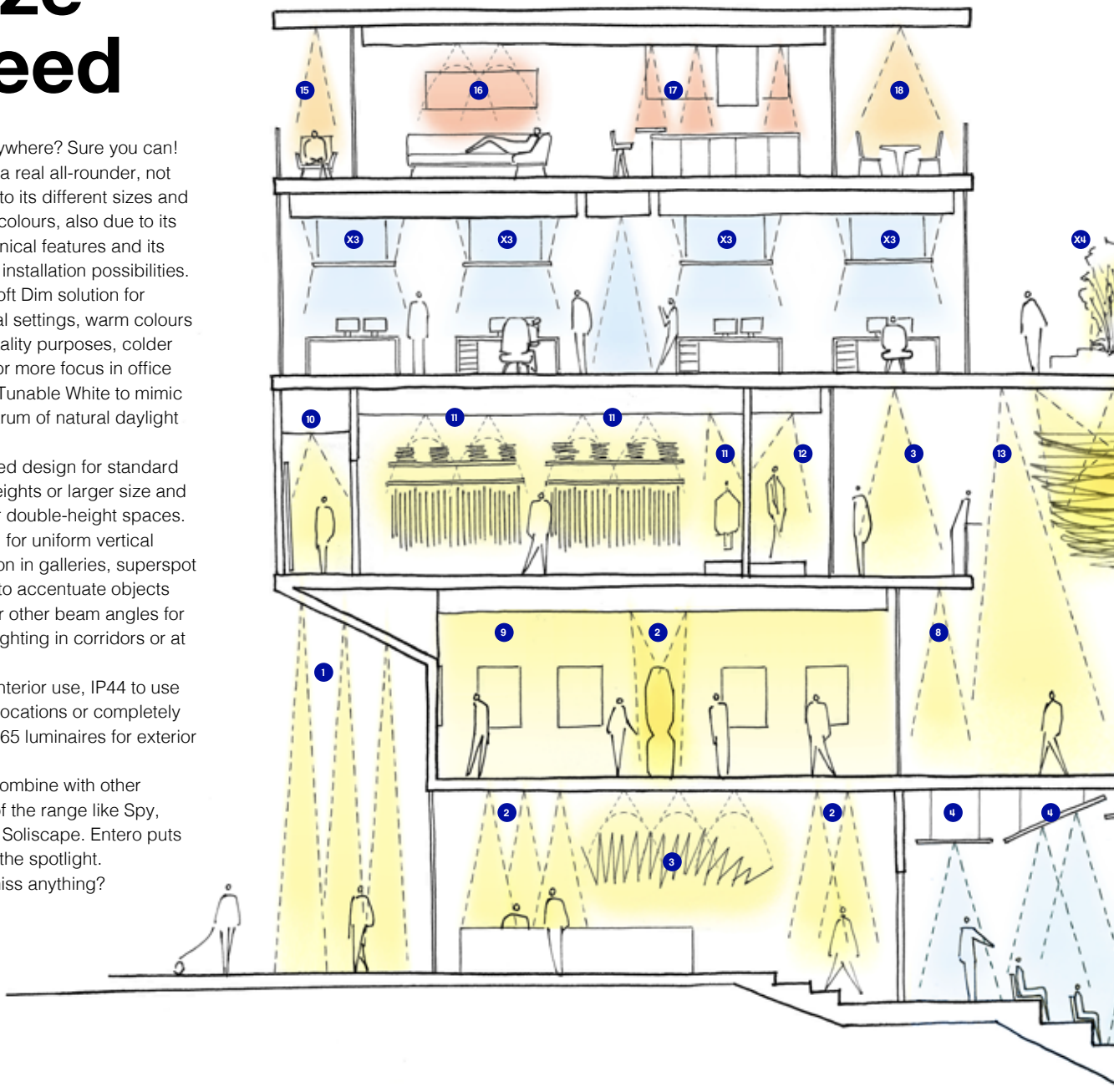
one.

[French] **Entier**

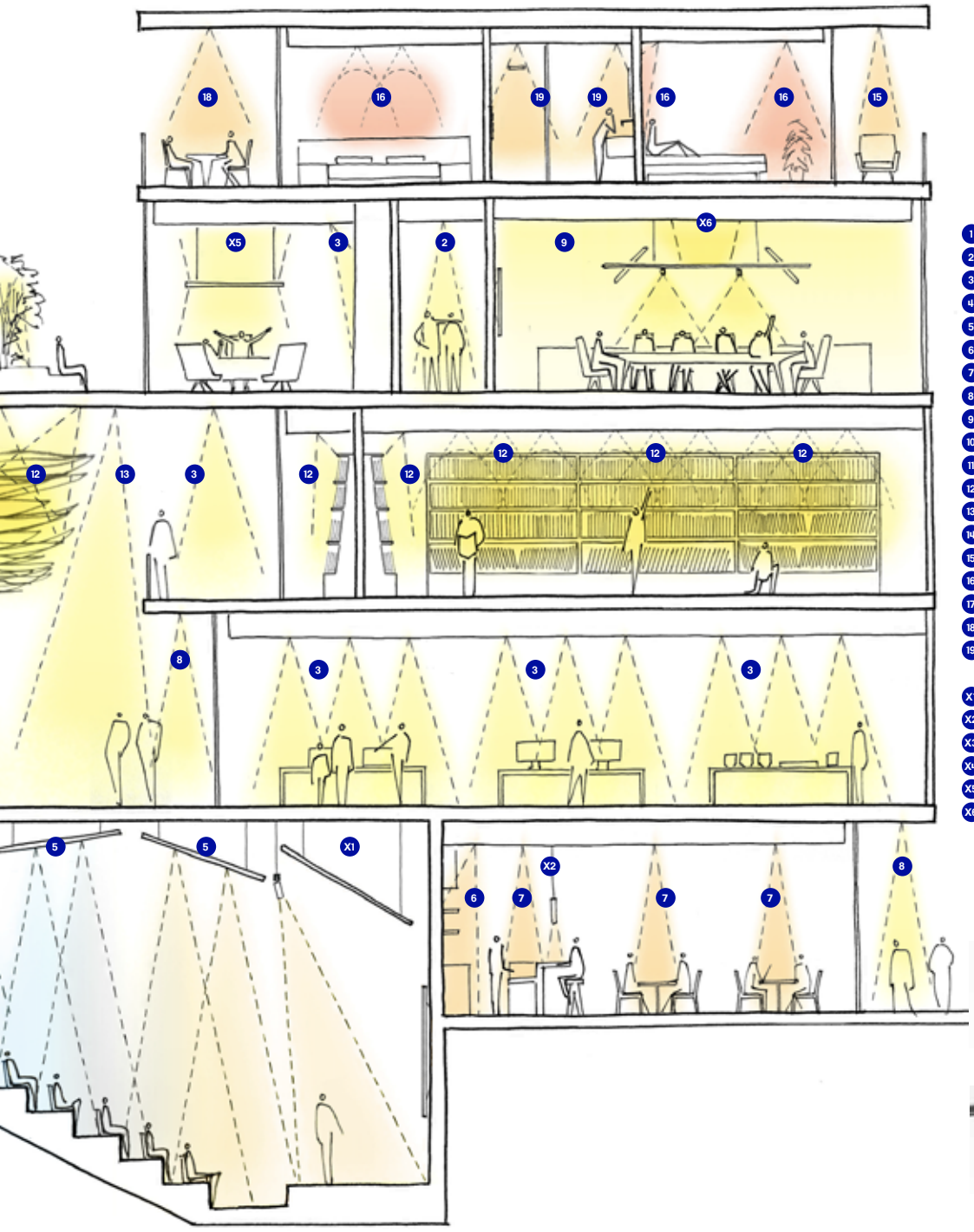
[Danish] **Hel**

Any Project Size Need

Use it anywhere? Sure you can! Entero is a real all-rounder, not only due to its different sizes and finishing colours, also due to its light technical features and its variety in installation possibilities.
A cosy Soft Dim solution for residential settings, warm colours for hospitality purposes, colder colours for more focus in office areas or Tunable White to mimic the spectrum of natural daylight inside.
Small sized design for standard ceiling heights or larger size and power for double-height spaces. Wallwash for uniform vertical illumination in galleries, superspot versions to accentuate objects in retail or other beam angles for general lighting in corridors or at home.
IP20 for interior use, IP44 to use in damp locations or completely sealed IP65 luminaires for exterior use.
Easy to combine with other families of the range like Spy, Inform or Soliscape. Entero puts others in the spotlight.
Did we miss anything?

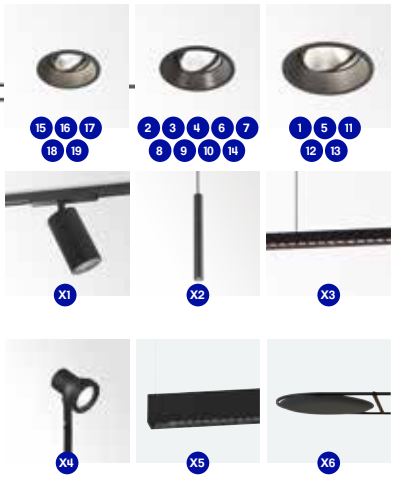


[Swedish] **Hela**



1 **ENTERO L X** - 3000K - 10°
2 **ENTERO M** - 3000K - 18°
3 **ENTERO M**- 3000K - 30°
4 **ENTERO M** - TUNABLE WHITE - 30°
5 **ENTERO L** - TUNABLE WHITE - 18°
6 **ENTERO M** - 2700K - 30°
7 **ENTERO M** - 2700K - 18°
8 **ENTERO M X** - 3000K - 18°
9 **ENTERO M**- 3000K - WALLWASH
10 **ENTERO M** - 3000K - 45°
11 **ENTERO L** - 3000K - 30°
12 **ENTERO L** - 3000K - 45°
13 **ENTERO L** - 3000K - 18°
14 **ENTERO M** - 4000K (ON REQUEST) - 18°
15 **ENTERO S X** - 2700K - 20°
16 **ENTERO S** - SOFT DIM - 45°
17 **ENTERO S** - SOFT DIM - 20°
18 **ENTERO S** - 2700K - 45°
19 **ENTERO S IP** - 2700K - 45°

X1 **TRACK 3F ON + SPY 90 ADM** - TUNABLE WHITE - 18°
X2 **MICROSPY 39 C** - 2700K
X3 **INFORM SQ C DOWN-UP** - 4000K
X4 **KIX M PIN** - 3000K
X5 **CONFORM DOWN-UP** - 3000K
X6 **SOLISCAPE**



Office.

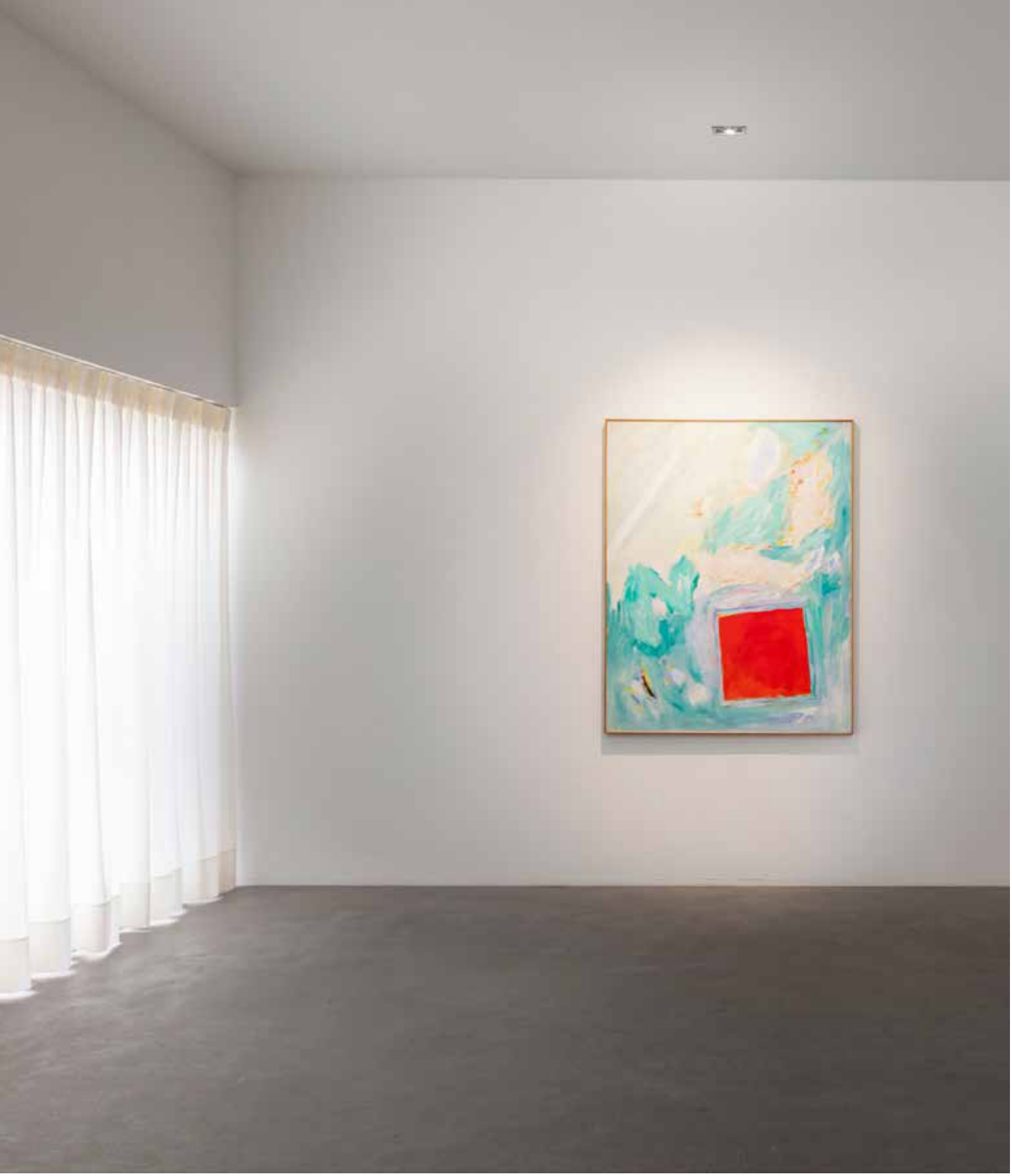
Entero M Round

Architect Govaert & Vanhoutte
Lighting Design INTI House of light

Residential.

Entero M Round Trimless

Architect Mallol Arquitectos / **Photography** Fernando Alda



CALLEWAERT VANLANGENDONCK GALLERY

Gallery.

Entero L Square

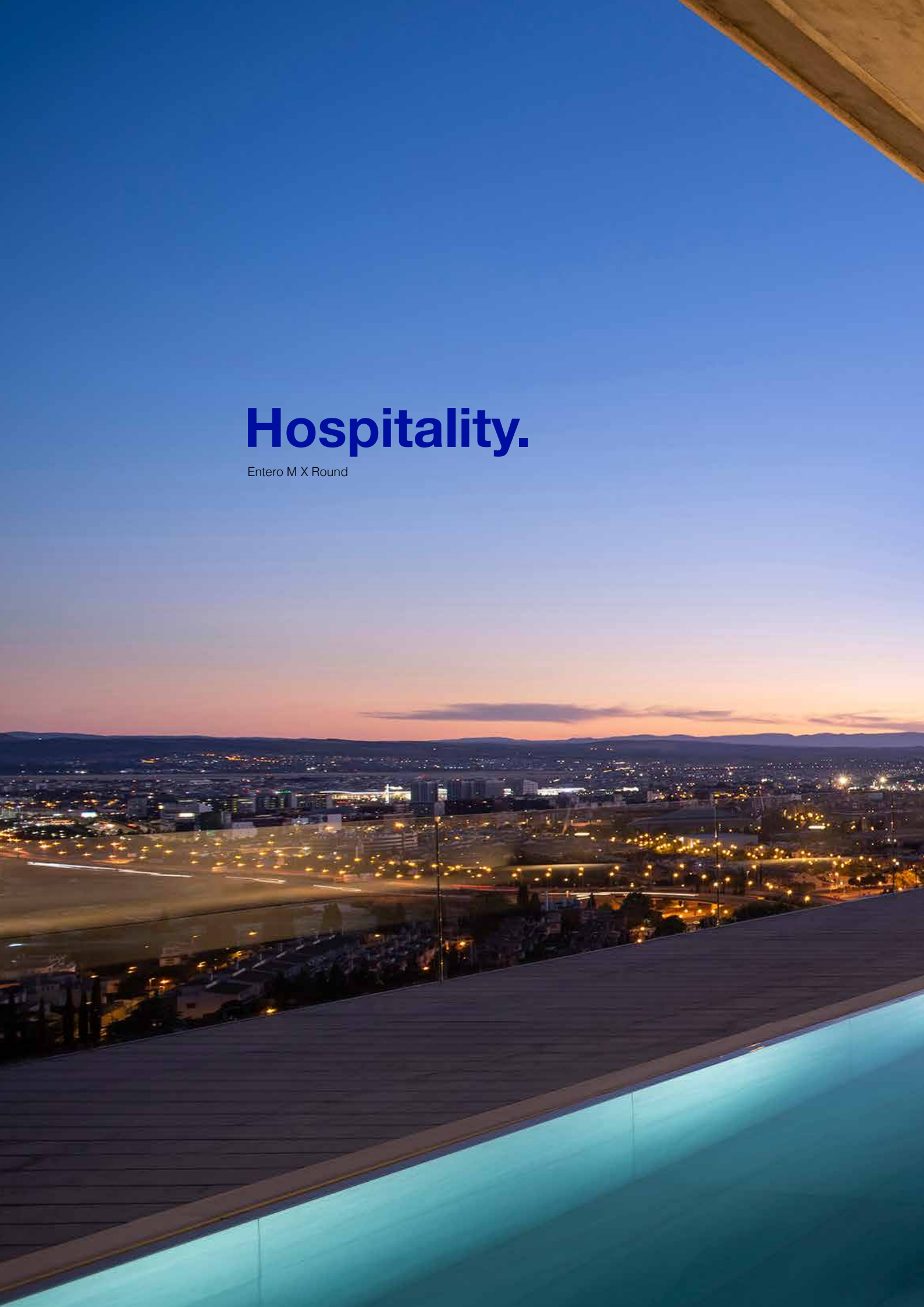
Retail.

Entero L Round

Architect Diego Guayasamin

Hospitality.

Entero M X Round



Interior Design Opera De Domingo **/ Architect** Estudio 3 Granada
Lighting Design BIG Architectural Lighting **/ Photography** Juanan Barros

Outdoor.

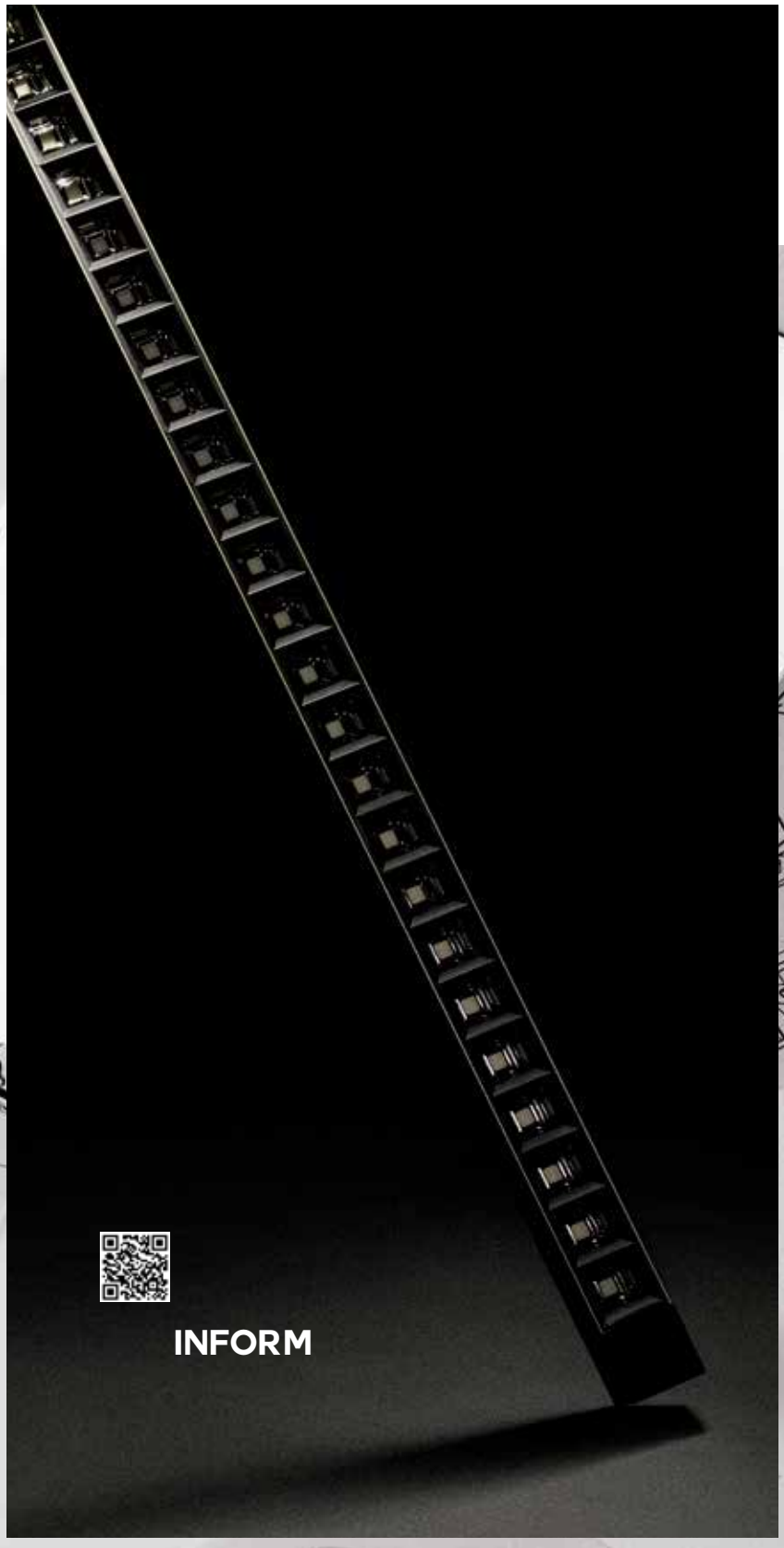
Entero M X Round

Architect Cubyc Architects / **Photography** Koen Van Damme

SOLISCAPE

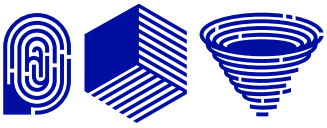
One
to combine.

Entero can perfectly be used on its own throughout a project, but it can easily be combined with other families of the Delta Light range as well.
With Soliscape or Spy for example, as Entero uses the same LED engines and type of optics that are being used in throughout the Spy range or within the Soliscape spot modules.
Or use it together with Inform in office settings, where Inform guarantees pleasant desk lighting and Entero backs up for the general lighting in corridors or meeting rooms.



INFORM

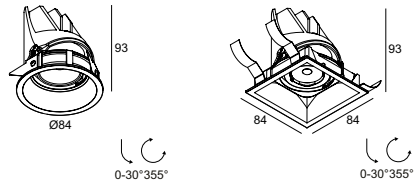
SPY

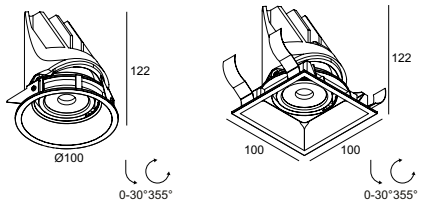


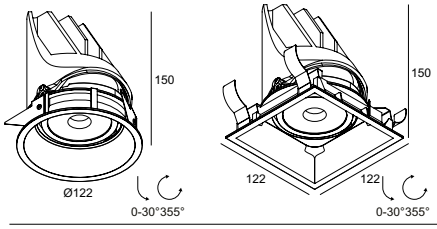
What if there is only one?

Entero
Overview.

	KELVIN	LUMEN	BEAM	INTERIOR IP20		INTERIOR IP44		EXTERIOR IP65	
				ROUND / SQUARE		ROUND / SQUARE		ROUND / SQUARE	
				TRIMLESS	TRIM	TRIMLESS	TRIM	TRIMLESS	TRIM
SMALL	2700 & 3000K	519lm	10°	✓	✓	✓	✓		✓
		1467lm	20°	✓	✓	✓	✓		✓
			45°	✓	✓	✓	✓		✓
		1089lm	WALLWASH	✓	✓				
	SOFT DIM 3000-1800K	934lm	20°	✓	✓	✓	✓		✓
			45°	✓	✓	✓	✓		✓
	TUNABLE WHITE 4000-1800K 6500-2700K	1087lm	20°	✓	✓	✓	✓		✓
			45°	✓	✓	✓	✓		✓
			WALLWASH	✓	✓				
MEDIUM	2700 & 3000K	677lm	10°	✓	✓	✓	✓		✓
		2907lm	18°	✓	✓	✓	✓		✓
			30°	✓	✓	✓	✓		✓
			45°	✓	✓	✓	✓		✓
		1089lm	WALLWASH	✓	✓				
	SOFT DIM 3000-1800K	1618lm	18°	✓	✓	✓	✓		✓
			30°	✓	✓	✓	✓		✓
			45°	✓	✓	✓	✓		✓
	TUNABLE WHITE 4000-1800K 6500-2700K	1087lm	18°	✓	✓	✓	✓		✓
			30°	✓	✓	✓	✓		✓
			45°	✓	✓	✓	✓		✓
			WALLWASH	✓	✓				
LARGE	2700 & 3000K	814lm	10°	✓	✓		✓		✓
		4579lm	18°	✓	✓		✓		✓
			30°	✓	✓		✓		✓
			45°	✓	✓		✓		✓
	TUNABLE WHITE 6500-2700K	2054lm	18°	✓	✓		✓		✓
			30°	✓	✓		✓		✓
			45°	✓	✓		✓		✓

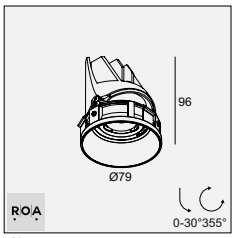






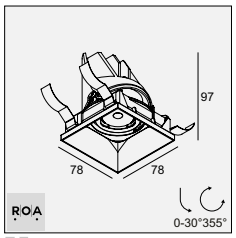
Entero Small Trimless

ROUND



ØKIT x 105

SQUARE



KIT x 110

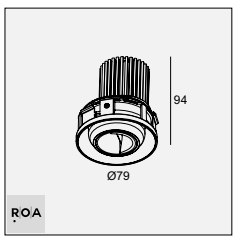
	3000K / CRI>90	2700K / CRI>90
	LED [E] 5.7W / 519lm / 500mA	LED [E] 5.7W / 519lm / 500mA
	10°	10°
ROUND	**28424 9310** ◇ *	**28424 9210** ◇ *
SQUARE	**28524 9310** ◇ *	**28524 9210** ◇ *
	◇ B / GC / W	
	0,2 IP20	

	3000K / CRI>90		2700K / CRI>90	
	LED [U] 8.6W / 1089lm / 500mA LED [U] 12.4W / 1467lm / 700mA		LED [U] 8.6W / 1041lm / 500mA LED [U] 12.4W / 1403lm / 700mA	
	20°	45°	20°	45°
ROUND	**28425 9320** ◇	**28425 9330** ◇	**28425 9220** ◇	**28425 9230** ◇
SQUARE	**28525 9320** ◇	**28525 9330** ◇	**28525 9220** ◇	**28525 9230** ◇
	◇ B / GC / W			
	0,2 IP20			

	SOFT DIM		TUNABLE WHITE		TUNABLE WHITE	
	3000-1800K / CRI>90		4000-1800K / CRI>90		6500-2700K / CRI>90	
	LED [X] 8.3W / 934lm / 250mA		LED [Y] 9W / 979lm / 500mA		LED [Y] 9W / 1087lm / 500mA	
	20°	45°	20°	45°	20°	45°
ROUND	**28426 9020** ◇	**28426 9030** ◇	**28464 9020** ◇	**28464 9030** ◇	**28427 9020** ◇	**28427 9030** ◇
SQUARE	**28526 9020** ◇	**28526 9030** ◇	**28564 9020** ◇	**28564 9030** ◇	**28527 9020** ◇	**28527 9030** ◇
	◇ B / GC / W					
	0,2 IP20					

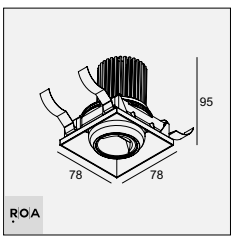
Entero Small Trimless Wallwash

ROUND WALLWASH

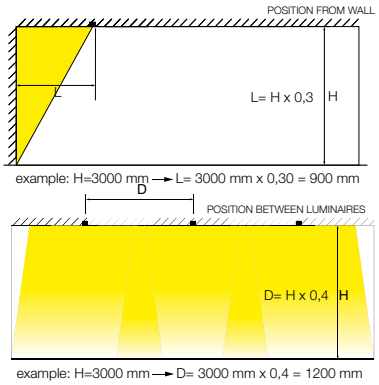


ØKIT x 95

SQUARE WALLWASH



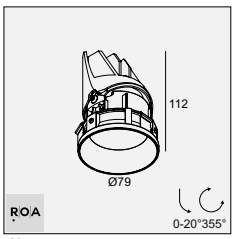
KIT x 95



			TUNABLE WHITE	TUNABLE WHITE
	3000K / CRI>90	2700K / CRI>90	4000-1800K / CRI>90	6500-2700K / CRI>90
	LED [U] 8.6W / 1089lm / 500mA	LED [U] 8.6W / 1041lm / 500mA	LED [Y] 9W / 979lm / 500mA	LED [Y] 9W / 1087lm / 500mA
	WALLWASH	WALLWASH	WALLWASH	WALLWASH
ROUND	**28428 9300** ◇	**28428 9200** ◇	**28465 9000** ◇	**28466 9000** ◇
SQUARE	**28528 9300** ◇	**28528 9200** ◇	**28565 9000** ◇	**28566 9000** ◇
	◇ B / GC / W			
	0,1 IP20			

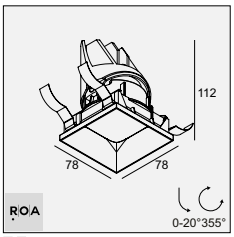
Entero
Small
Trimless IP

ROUND IP



ØKIT x 115

SQUARE IP



KIT x 120

	3000K / CRI>90		2700K / CRI>90	
	LED [U] 8.6W / 1089lm / 500mA		LED [U] 8.6W / 1041lm / 500mA	
	20°	45°	20°	45°
ROUND	**28450 9320** ◇	**28450 9330** ◇	**28450 9220** ◇	**28450 9230** ◇
SQUARE	**28550 9320** ◇	**28550 9330** ◇	**28550 9220** ◇	**28550 9230** ◇

◇ B / GC / W

0,2 IP20 IP44

	3000-1800K / CRI>90		4000-1800K / CRI>90		6500-2700K / CRI>90	
	LED [X] 8.3W / 934lm / 250mA		LED [Y] 9W / 979lm / 500mA		LED [Y] 9W / 1087lm / 500mA	
	20°	45°	20°	45°	20°	45°
ROUND	**28451 9020** ◇	**28451 9030** ◇	**28472 9020** ◇	**28472 9030** ◇	**28452 9020** ◇	**28452 9030** ◇
SQUARE	**28551 9020** ◇	**28551 9030** ◇	**28572 9020** ◇	**28572 9030** ◇	**28552 9020** ◇	**28552 9030** ◇

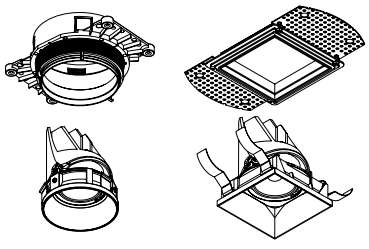
◇ B / GC / W

0,2 IP20 IP44

REQUIREMENTS
FOR ROUND
MOUNTING KIT ENTERO RD-S O.F.A. ▸ **28400 0010**
or MOUNTING KIT ENTERO RD-S CSC ▸ **28400 0070**
or MOUNTING KIT ENTERO RD-S WSC ▸ **28400 0130**

FOR SQUARE
MOUNTING KIT ENTERO SQ-S ▸ **28400 0040**
or MOUNTING KIT ENTERO SQ-S CSC ▸ **28400 0100**
or MOUNTING KIT ENTERO SQ-S WSC ▸ **28400 0160**

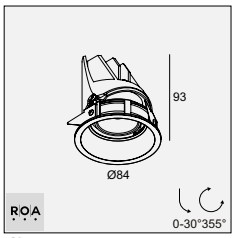
LED POWER SUPPLY



CSC: Cold Stretched Ceiling
WSC: Warm Stretched Ceiling

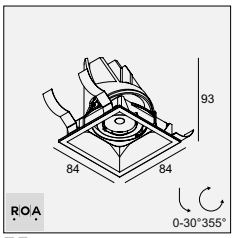
Entero
Small

ROUND



Ø76 x 100 / max.16

SQUARE



76 x 76 x 100 / 12,5 or 25

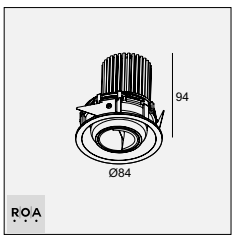
	3000K / CRI>90	2700K / CRI>90
	LED [E] 5.7W / 519lm / 500mA	LED [E] 5.7W / 519lm / 500mA
	10°	10°
ROUND	**28401 9310** ◇ *	**28401 9210** ◇ *
SQUARE	**28501 9310** ◇ *	**28501 9210** ◇ *
	◇ B / GC / W	
	0,2 IP20	

	3000K / CRI>90		2700K / CRI>90	
	LED [U] 8.6W / 1089lm / 500mA LED [U] 12.4W / 1467lm / 700mA		LED [U] 8.6W / 1041lm / 500mA LED [U] 12.4W / 1403lm / 700mA	
	20°	45°	20°	45°
ROUND	**28402 9320** ◇	**28402 9330** ◇	**28402 9220** ◇	**28402 9230** ◇
SQUARE	**28502 9320** ◇	**28502 9330** ◇	**28502 9220** ◇	**28502 9230** ◇
	◇ B / GC / W			
	0,2 IP20			

	SOFT DIM		TUNABLE WHITE		TUNABLE WHITE	
	3000-1800K / CRI>90		4000-1800K / CRI>90		6500-2700K / CRI>90	
	LED [X] 8.3W / 934lm / 250mA		LED [Y] 9W / 979lm / 500mA		LED [Y] 9W / 1087lm / 500mA	
	20°	45°	20°	45°	20°	45°
ROUND	**28403 9020** ◇	**28403 9030** ◇	**28456 9020** ◇	**28456 9030** ◇	**28404 9020** ◇	**28404 9030** ◇
SQUARE	**28503 9020** ◇	**28503 9030** ◇	**28556 9020** ◇	**28556 9030** ◇	**28504 9020** ◇	**28504 9030** ◇
	◇ B / GC / W					
	0,2 IP20					

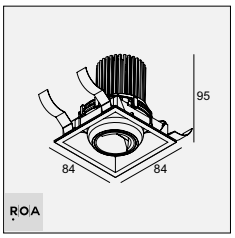
Entero
Small
Wallwash

ROUND WALLWASH

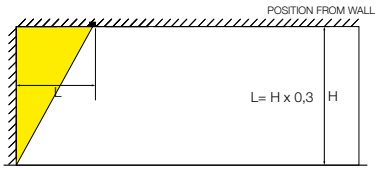


Ø76 x 95 / max.16

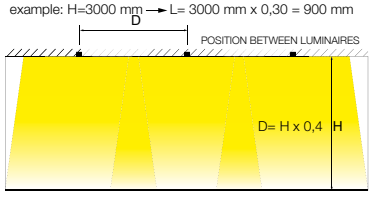
SQUARE WALLWASH



76 x 76 x 95 / 12,5 or 25



example: H=3000 mm → L= 3000 mm x 0,30 = 900 mm

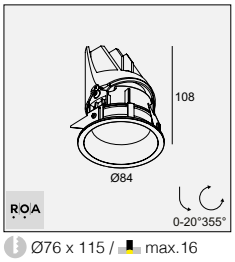


example: H=3000 mm → D= 3000 mm x 0,4 = 1200 mm

			TUNABLE WHITE	TUNABLE WHITE
	3000K / CRI>90	2700K / CRI>90	4000-1800K / CRI>90	6500-2700K / CRI>90
	LED [U] 8.6W / 1089lm / 500mA	LED [U] 8.6W / 1041lm / 500mA	LED [Y] 9W / 979lm / 500mA	LED [Y] 9W / 1087lm / 500mA
	WALLWASH	WALLWASH	WALLWASH	WALLWASH
ROUND	**28405 9300** ◇	**28405 9200** ◇	**28457 9000** ◇	**28458 9000** ◇
SQUARE	**28505 9300** ◇	**28505 9200** ◇	**28557 9000** ◇	**28558 9000** ◇
	◇ B / GC / W			
	0,1 IP20			

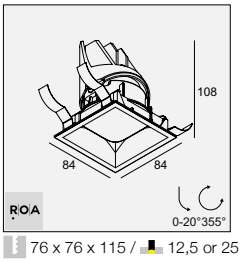
Entero
Small
IP

ROUND IP



Ø76 x 115 / ▄▀ max.16

SQUARE IP



76 x 76 x 115 / ▄▀ 12,5 or 25

	3000K / CRI>90		2700K / CRI>90	
	LED [U] 8.6W / 1089lm / 500mA		LED [U] 8.6W / 1041lm / 500mA	
	20°	45°	20°	45°
ROUND	**28406 9320** ◇	**28406 9330** ◇	**28406 9220** ◇	**28406 9230** ◇
SQUARE	**28506 9320** ◇	**28506 9330** ◇	**28506 9220** ◇	**28506 9230** ◇
	◇ B / GC / W			

0,2 IP20 IP44

	3000-1800K / CRI>90		4000-1800K / CRI>90		6500-2700K / CRI>90	
	LED [X] 8.3W / 934lm / 250mA		LED [Y] 9W / 979lm / 500mA		LED [Y] 9W / 1087lm / 500mA	
	20°	45°	20°	45°	20°	45°
ROUND	**28407 9020** ◇	**28407 9030** ◇	**28459 9020** ◇	**28459 9030** ◇	**28408 9020** ◇	**28408 9030** ◇
SQUARE	**28507 9020** ◇	**28507 9030** ◇	**28559 9020** ◇	**28559 9030** ◇	**28508 9020** ◇	**28508 9030** ◇
	◇ B / GC / W					

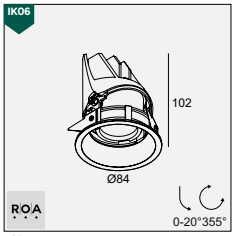
0,2 IP20 IP44

REQUIREMENTS
LED POWER SUPPLY

OPTIONS
ENTERO ROUND S MOUNTING SET S2 ▸ **28500 0190** (for Concrete Installation)

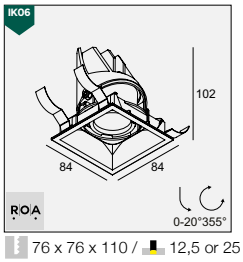
Entero
Small
X

ROUND



Ø76 x 110 / max.16

SQUARE



76 x 76 x 110 / 12,5 or 25

	3000K / CRI>90	2700K / CRI>90
	LED [E] 5.7W / 519lm / 500mA	LED [E] 5.7W / 519lm / 500mA
	10°	10°
ROUND	**28438 9310** ◇ *	**28438 9210** ◇ *
SQUARE	**28538 9310** ◇ *	**28538 9210** ◇ *
	◇ B / W	
	0,3 IP65	

	3000K / CRI>90		2700K / CRI>90	
	LED [U] 8.6W / 1089lm / 500mA		LED [U] 8.6W / 1041lm / 500mA	
	20°	45°	20°	45°
ROUND	**28439 9320** ◇	**28439 9330** ◇	**28439 9220** ◇	**28439 9230** ◇
SQUARE	**28539 9320** ◇	**28539 9330** ◇	**28539 9220** ◇	**28539 9230** ◇
	◇ B / W			
	0,3 IP65			

	SOFT DIM		TUNABLE WHITE		TUNABLE WHITE	
	3000-1800K / CRI>90		4000-1800K / CRI>90		6500-2700K / CRI>90	
	LED [X] 8.3W / 934lm / 250mA		LED [Y] 9W / 979lm / 500mA		LED [Y] 9W / 1087lm / 500mA	
	20°	45°	20°	45°	20°	45°
ROUND	**28440 9020** ◇	**28440 9030** ◇	**28470 9020** ◇	**28470 9030** ◇	**28441 9020** ◇	**28441 9030** ◇
SQUARE	**28540 9020** ◇	**28540 9030** ◇	**28570 9020** ◇	**28570 9030** ◇	**28541 9020** ◇	**28541 9030** ◇
	◇ B / W					
	0,3 IP65					

REQUIREMENTS
LED POWER SUPPLY

OPTIONS
ENTERO ROUND S MOUNTING SET S2 ▸ **28500 0190** (for Concrete Installation)

ACCESSORIES
ENTERO S GLASS SBL ▸ **28500 0040**
ENTERO S HONEYCOMB DOUBLE USE ◇ ▸ **28500 0060** B
ENTERO S HONEYCOMB SINGLE USE ◇ ▸ **28500 0050** B
ENTERO S LINEAR SPREAD LENS ▸ **28500 0010**
ENTERO S SOFTENING LENS ▸ **28500 0030**
ENTERO S SPREAD LENS ▸ **28500 0020**

Max.500mA when using accessories
* One accessory: honeycomb single use

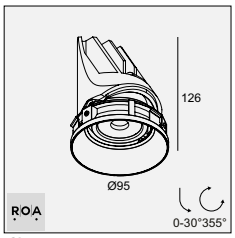
ENTERO ROUND S TRIMLESS IP

Scale 100%

ENTERO SQUARE S TRIMLESS IP

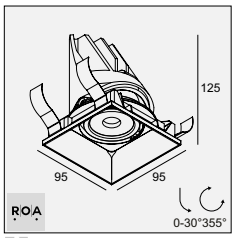
Entero
Medium
Trimless

ROUND



ØKIT x 135

SQUARE



KIT x 130

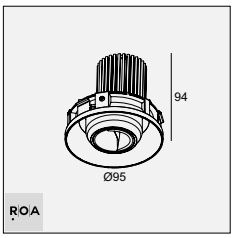
	3000K / CRI>90 LED [E] 8.2W / 677lm / 700mA	2700K / CRI>90 LED [E] 8.2W / 677lm / 700mA
	10°	10°
ROUND	**28429 9310 ◇ ***	**28429 9210 ◇ ***
SQUARE	**28529 9310 ◇ ***	**28529 9210 ◇ ***
	◇ B / GC / W	
	0,4 IP20	

	3000K / CRI>90 LED [R] 17.1W / 2125lm / 500mA LED [R] 24.6W / 2907lm / 700mA			2700K / CRI>90 LED [R] 17.1W / 2068lm / 500mA LED [R] 24.6W / 2829lm / 700mA		
	18°	30°	45°	18°	30°	45°
ROUND	**28430 9310 ◇**	**28430 9320 ◇**	**28430 9330 ◇**	**28430 9210 ◇**	**28430 9220 ◇**	**28430 9230 ◇**
SQUARE	**28530 9310 ◇**	**28530 9320 ◇**	**28530 9330 ◇**	**28530 9210 ◇**	**28530 9220 ◇**	**28530 9230 ◇**
	◇ B / GC / W					
	0,5 IP20					

	SOFT DIM 3000-1800K / CRI>90 LED [X] 16.1W / 1618lm / 450mA			TUNABLE WHITE 4000-1800K / CRI>90 LED [Y] 9W / 979lm / 500mA			TUNABLE WHITE 6500-2700K / CRI>90 LED [Y] 9W / 1087lm / 500mA		
	18°	30°	45°	18°	30°	45°	18°	30°	45°
ROUND	**28431 9010 ◇**	**28431 9020 ◇**	**28431 9030 ◇**	**28467 9010 ◇**	**28467 9020 ◇**	**28467 9030 ◇**	**28432 9010 ◇**	**28432 9020 ◇**	**28432 9030 ◇**
SQUARE	**28531 9010 ◇**	**28531 9020 ◇**	**28531 9030 ◇**	**28567 9010 ◇**	**28567 9020 ◇**	**28567 9030 ◇**	**28532 9010 ◇**	**28532 9020 ◇**	**28532 9030 ◇**
	◇ B / GC / W								
	0,4 IP20								

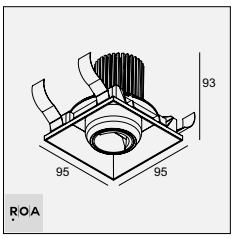
Entero
Medium
Trimless
Wallwash

ROUND WALLWASH

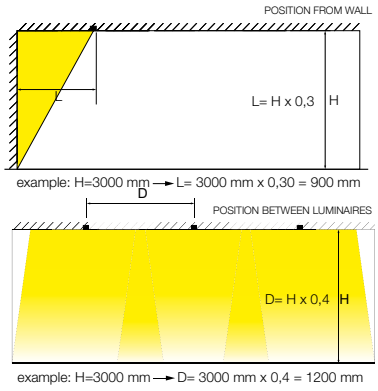


ØKIT x 95

SQUARE WALLWASH



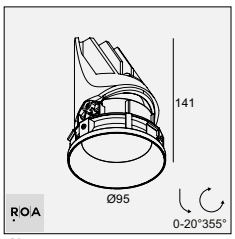
KIT x 95



	3000K / CRI>90 LED [U] 8.6W / 1089lm / 500mA	2700K / CRI>90 LED [U] 8.6W / 1041lm / 500mA	TUNABLE WHITE 4000-1800K / CRI>90 LED [Y] 9W / 979lm / 500mA	TUNABLE WHITE 6500-2700K / CRI>90 LED [Y] 9W / 1087lm / 500mA
	WALLWASH	WALLWASH	WALLWASH	WALLWASH
ROUND	**28433 9300 ◇**	**28433 9200 ◇**	**28468 9000 ◇**	**28469 9000 ◇**
SQUARE	**28533 9300 ◇**	**28533 9200 ◇**	**28568 9000 ◇**	**28569 9000 ◇**
	◇ B / GC / W			
	0,2 IP20			

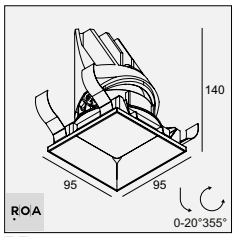
Entero
Medium
Trimless IP

ROUND IP



ØKIT x 150

SQUARE IP



KIT x 150

	3000K / CRI>90		2700K / CRI>90	
	LED [R] 17.1W / 2125lm / 500mA		LED [R] 17.1W / 2068lm / 500mA	
	18°	30°	18°	30°
ROUND	**28453 9310** ◇	**28453 9320** ◇	**28453 9210** ◇	**28453 9220** ◇
SQUARE	**28553 9310** ◇	**28553 9320** ◇	**28553 9210** ◇	**28553 9220** ◇

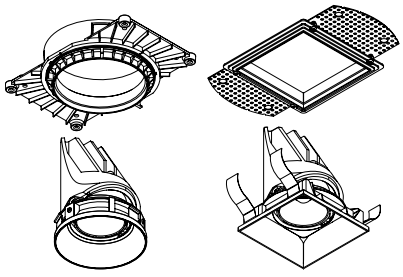
◇ B / GC / W

0,4 IP20 IP44

	SOFT DIM		TUNABLE WHITE		TUNABLE WHITE	
	3000-1800K / CRI>90		4000-1800K / CRI>90		6500-2700K / CRI>90	
	LED [X] 16.1W / 1618lm / 450mA		LED [Y] 9W / 979lm / 500mA		LED [Y] 9W / 1087lm / 500mA	
	18°	30°	18°	30°	18°	30°
ROUND	**28454 9010** ◇	**28454 9020** ◇	**28473 9010** ◇	**28473 9020** ◇	**28455 9010** ◇	**28455 9020** ◇
SQUARE	**28554 9010** ◇	**28554 9020** ◇	**28573 9010** ◇	**28573 9020** ◇	**28555 9010** ◇	**28555 9020** ◇

◇ B / GC / W

0,4 IP20 IP44



REQUIREMENTS
FOR ROUND
MOUNTING KIT ENTERO RD-M O.F.A. ▸ **28400 0020**
or MOUNTING KIT ENTERO RD-M CSC ▸ **28400 0080**
or MOUNTING KIT ENTERO RD-M WSC ▸ **28400 0140**

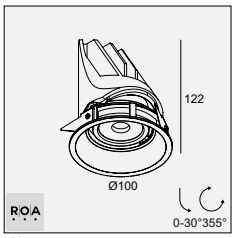
FOR SQUARE
MOUNTING KIT ENTERO SQ-M ▸ **28400 0050**
or MOUNTING KIT ENTERO SQ-M CSC ▸ **28400 0110**
or MOUNTING KIT ENTERO SQ-M WSC ▸ **28400 0170**

LED POWER SUPPLY

CSC: Cold Stretched Ceiling
WSC: Warm Stretched Ceiling

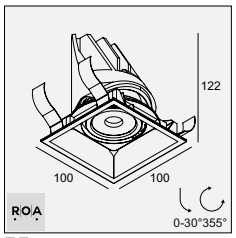
Entero
Medium

ROUND



Ø92 x 130 / max.16

SQUARE



92 x 92 x 130 / 12,5 or 25

	3000K / CRI>90	2700K / CRI>90
	LED [E] 8.2W / 677lm / 700mA	LED [E] 8.2W / 677lm / 700mA
	10°	10°
ROUND	**28409 9310** ◇ *	**28409 9210** ◇ *
SQUARE	**28509 9310** ◇ *	**28509 9210** ◇ *

◇ B / GC / W

0,4 IP20

	3000K / CRI>90			2700K / CRI>90		
	LED [R] 17.1W / 2125lm / 500mA LED [R] 24.6W / 2907lm / 700mA			LED [R] 17.1W / 2068lm / 500mA LED [R] 24.6W / 2829lm / 700mA		
	18°	30°	45°	18°	30°	45°
ROUND	**28410 9310** ◇	**28410 9320** ◇	**28410 9330** ◇	**28410 9210** ◇	**28410 9220** ◇	**28410 9230** ◇
SQUARE	**28510 9310** ◇	**28510 9320** ◇	**28510 9330** ◇	**28510 9210** ◇	**28510 9220** ◇	**28510 9230** ◇

◇ B / GC / W

0,5 IP20

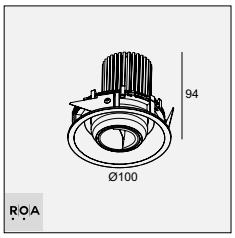
	SOFT DIM			TUNABLE WHITE			TUNABLE WHITE		
	3000-1800K / CRI>90			4000-1800K / CRI>90			6500-2700K / CRI>90		
	LED [X] 16.1W / 1618lm / 450mA			LED [Y] 9W / 979lm / 500mA			LED [Y] 9W / 1087lm / 500mA		
	18°	30°	45°	18°	30°	45°	18°	30°	45°
ROUND	**28411 9010** ◇	**28411 9020** ◇	**28411 9030** ◇	**28460 9010** ◇	**28460 9020** ◇	**28460 9030** ◇	**28412 9010** ◇	**28412 9020** ◇	**28412 9030** ◇
SQUARE	**28511 9010** ◇	**28511 9020** ◇	**28511 9030** ◇	**28560 9010** ◇	**28560 9020** ◇	**28560 9030** ◇	**28512 9010** ◇	**28512 9020** ◇	**28512 9030** ◇

◇ B / GC / W

0,4 IP20

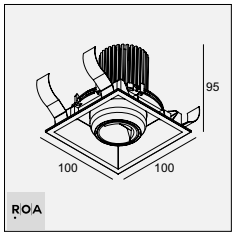
Entero
Medium
Wallwash

ROUND WALLWASH

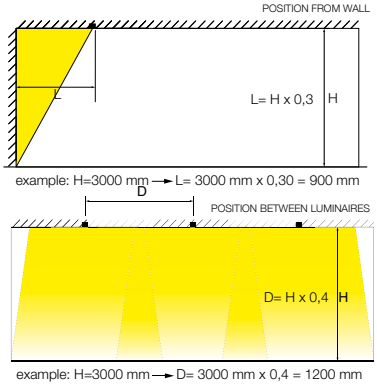


Ø92 x 95 / max.16

SQUARE WALLWASH



92 x 92 x 95 / 12,5 or 25



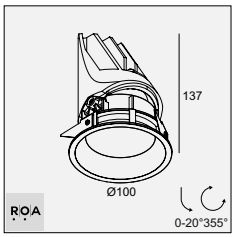
			TUNABLE WHITE	TUNABLE WHITE
	3000K / CRI>90	2700K / CRI>90	4000-1800K / CRI>90	6500-2700K / CRI>90
	LED [U] 8.6W / 1089lm / 500mA	LED [U] 8.6W / 1041lm / 500mA	LED [Y] 9W / 979lm / 500mA	LED [Y] 9W / 1087lm / 500mA
	WALLWASH	WALLWASH	WALLWASH	WALLWASH
ROUND	**28413 9300** ◇	**28413 9200** ◇	**28461 9000** ◇	**28462 9000** ◇
SQUARE	**28513 9300** ◇	**28513 9200** ◇	**28561 9000** ◇	**28562 9000** ◇

◇ B / GC / W

0,2 IP20

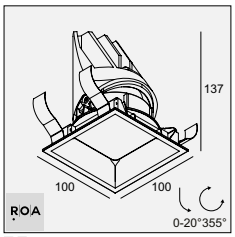
Entero
Medium
IP

ROUND IP



Ø92 x 145 / max.16

SQUARE IP



92 x 92 x 145 / 12,5 or 25

	3000K / CRI>90		2700K / CRI>90	
	LED [R] 17.1W / 2125lm / 500mA		LED [R] 17.1W / 2068lm / 500mA	
	18°	30°	18°	30°
ROUND	**28414 9310** ◇	**28414 9320** ◇	**28414 9210** ◇	**28414 9220** ◇
SQUARE	**28514 9310** ◇	**28514 9320** ◇	**28514 9210** ◇	**28514 9220** ◇

◇ B / GC / W

0,4 IP20 IP44

	SOFT DIM		TUNABLE WHITE		TUNABLE WHITE	
	3000-1800K / CRI>90		4000-1800K / CRI>90		6500-2700K / CRI>90	
	LED [X] 16.1W / 1618lm / 450mA		LED [Y] 9W / 979lm / 500mA		LED [Y] 9W / 1087lm / 500mA	
	18°	30°	18°	30°	18°	30°
ROUND	**28415 9010** ◇	**28415 9020** ◇	**28463 9010** ◇	**28463 9020** ◇	**28416 9010** ◇	**28416 9020** ◇
SQUARE	**28515 9010** ◇	**28515 9020** ◇	**28563 9010** ◇	**28563 9020** ◇	**28516 9010** ◇	**28516 9020** ◇

◇ B / GC / W

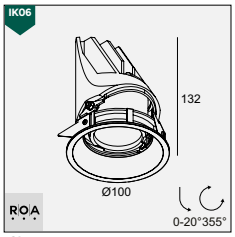
0,4 IP20 IP44

REQUIREMENTS
LED POWER SUPPLY

OPTIONS
ENTERO ROUND M MOUNTING SET S2 ▸ **28500 0200** (for Concrete Installation)

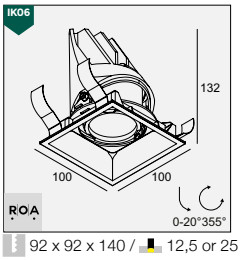
Entero
Medium
X

ROUND



Ø92 x 140 / max.16

SQUARE



92 x 92 x 140 / 12,5 or 25

	3000K / CRI>90	2700K / CRI>90
	LED [E] 8.2W / 677lm / 700mA	LED [E] 8.2W / 677lm / 700mA
	10°	10°
ROUND	**28442 9310** ◇ *	**28442 9210** ◇ *
SQUARE	**28542 9310** ◇ *	**28542 9210** ◇ *

◇ B / W

0,5 IP65

	3000K / CRI>90		2700K / CRI>90	
	LED [R] 17.1W / 2125lm / 500mA		LED [R] 17.1W / 2068lm / 500mA	
	18°	30°	18°	30°
ROUND	**28443 9310** ◇	**28443 9320** ◇	**28443 9210** ◇	**28443 9220** ◇
SQUARE	**28543 9310** ◇	**28543 9320** ◇	**28543 9210** ◇	**28543 9220** ◇

◇ B / W

0,5 IP65

	SOFT DIM		TUNABLE WHITE		TUNABLE WHITE	
	3000-1800K / CRI>90		4000-1800K / CRI>90		6500-2700K / CRI>90	
	LED [X] 16.1W / 1618lm / 450mA		LED [Y] 9W / 979lm / 500mA		LED [Y] 9W / 1087lm / 500mA	
	18°	30°	18°	30°	18°	30°
ROUND	**28444 9010** ◇	**28444 9020** ◇	**28471 9010** ◇	**28471 9020** ◇	**28445 9010** ◇	**28445 9020** ◇
SQUARE	**28544 9010** ◇	**28544 9020** ◇	**28571 9010** ◇	**28571 9020** ◇	**28545 9010** ◇	**28545 9020** ◇

◇ B / W

0,5 IP65

REQUIREMENTS
LED POWER SUPPLY

OPTIONS
ENTERO ROUND M MOUNTING SET S2 ▸ **28500 0200** (for Concrete Installation)

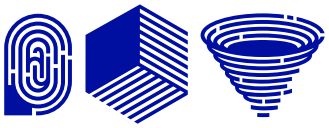
ACCESSORIES
ENTERO M GLASS SBL ▸ **28500 0100**
ENTERO M HONEYCOMB DOUBLE USE ▸ **28500 0120** B
ENTERO M HONEYCOMB SINGLE USE ▸ **28500 0110** B
ENTERO M LINEAR SPREAD LENS ▸ **28500 0070**
ENTERO M SOFTENING LENS ▸ **28500 0090**
ENTERO M SPREAD LENS ▸ **28500 0080**

Max.500mA when using 1 accessory
Max.450mA when using 2 accessories
* One accessory: honeycomb single use

ENTERO ROUND M WALLWASH

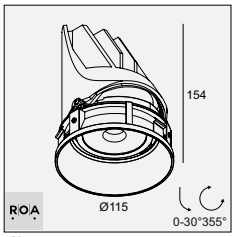
Scale 100%

ENTERO SQUARE M WALLWASH



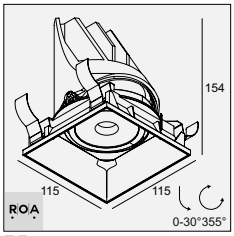
Entero
Large
Trimless

ROUND



ØKIT x 165

SQUARE



KIT x 165

	3000K / CRI>90	2700K / CRI>90
	LED [E] 10.7W / 814lm / 900mA	LED [E] 10.7W / 814lm / 900mA
	10°	10°
ROUND	**28434 9310** ◇ *	**28434 9210** ◇ *
SQUARE	**28534 9310** ◇ *	**28534 9210** ◇ *
	◇ B / GC / W	
	0,7 IP20	

	3000K / CRI>90			2700K / CRI>90		
	LED [I] 36.5W / 4579lm / 1050mA			LED [I] 36.5W / 4380lm / 1050mA		
	18°	30°	45°	18°	30°	45°
ROUND	**28435 9310** ◇	**28435 9320** ◇	**28435 9330** ◇	**28435 9210** ◇	**28435 9220** ◇	**28435 9230** ◇
SQUARE	**28535 9310** ◇	**28535 9320** ◇	**28535 9330** ◇	**28535 9210** ◇	**28535 9220** ◇	**28535 9230** ◇
	◇ B / GC / W					
	0,7 IP20					

TUNABLE WHITE

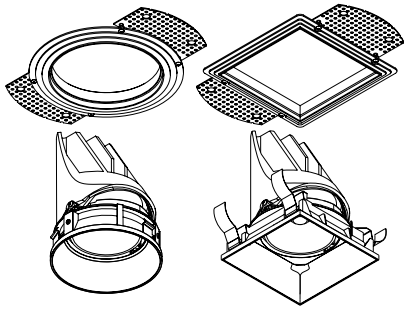
	6500-2700K / CRI>90		
	LED [Z] 17.8W / 2054lm / 500mA		
	18°	30°	45°
ROUND	**28437 9010** ◇	**28437 9020** ◇	**28437 9030** ◇
SQUARE	**28537 9010** ◇	**28537 9020** ◇	**28537 9030** ◇
	◇ B / GC / W		
	0,7 IP20		

REQUIREMENTS
FOR ROUND
MOUNTING KIT ENTERO RD-L ▸ **28400 0030**
or MOUNTING KIT ENTERO RD-L CSC ▸ **28400 0090**
or MOUNTING KIT ENTERO RD-L WSC ▸ **28400 0150**

FOR SQUARE
MOUNTING KIT ENTERO SQ-L ▸ **28400 0060**
or MOUNTING KIT ENTERO SQ-L CSC ▸ **28400 0120**
or MOUNTING KIT ENTERO SQ-L WSC ▸ **28400 0180**

LED POWER SUPPLY

ACCESSORIES
ENTERO L GLASS SBL ▸ **28500 0160**
ENTERO L HONEYCOMB DOUBLE USE ▸ **28500 0180** B
ENTERO L HONEYCOMB SINGLE USE ▸ **28500 0170** B
ENTERO L LINEAR SPREAD LENS ▸ **28500 0130**
ENTERO L SOFTENING LENS ▸ **28500 0150**
ENTERO L SPREAD LENS ▸ **28500 0140**

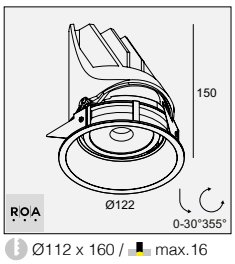


Max.900mA when using 1 accessory
Max.800mA when using 2 accessories
* One accessory: honeycomb single use

CSC: Cold Stretched Ceiling
WSC: Warm Stretched Ceiling

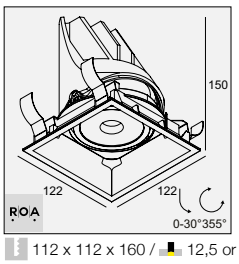
Entero
Large

ROUND



Ø112 x 160 / max.16

SQUARE



112 x 112 x 160 / 12,5 or 25

	3000K / CRI>90	2700K / CRI>90
	LED [E] 10.7W / 814lm / 900mA	LED [E] 10.7W / 814lm / 900mA
	10°	10°
ROUND	**28417 9310** ◇ *	**28417 9210** ◇ *
SQUARE	**28517 9310** ◇ *	**28517 9210** ◇ *
	◇ B / GC / W	
	0,7 IP20	

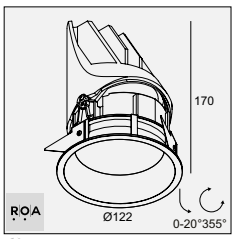
	3000K / CRI>90			2700K / CRI>90		
	LED [I] 36.5W / 4579lm / 1050m.			LED [I] 36.5W / 4380lm / 1050m.		
	18°	30°	45°	18°	30°	45°
ROUND	**28418 9310** ◇	**28418 9320** ◇	**28418 9330** ◇	**28418 9210** ◇	**28418 9220** ◇	**28418 9230** ◇
SQUARE	**28518 9310** ◇	**28518 9320** ◇	**28518 9330** ◇	**28518 9210** ◇	**28518 9220** ◇	**28518 9230** ◇
	◇ B / GC / W					
	0,7 IP20					

TUNABLE WHITE

	6500-2700K / CRI>90		
	LED [Z] 17.8W / 2054lm / 500mA		
	18°	30°	45°
ROUND	**28420 9010** ◇	**28420 9020** ◇	**28420 9030** ◇
SQUARE	**28520 9010** ◇	**28520 9020** ◇	**28520 9030** ◇
	◇ B / GC / W		
	0,7 IP20		

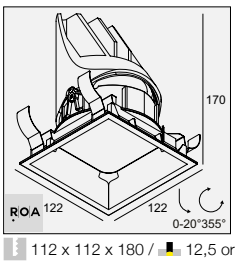
Entero
Large
IP

ROUND IP



ØKIT x 180 / max.16

SQUARE IP



112 x 112 x 180 / 12,5 or 25

	3000K / CRI>90		2700K / CRI>90	
	LED [I] 30.8W / 3974lm / 900mA		LED [I] 30.8W / 3802lm / 900mA	
	18°	30°	18°	30°
ROUND	**28421 9310** ◇	**28421 9320** ◇	**28421 9210** ◇	**28421 9220** ◇
SQUARE	**28521 9310** ◇	**28521 9320** ◇	**28521 9210** ◇	**28521 9220** ◇
	◇ B / GC / W			

0,7 IP20 IP44

TUNABLE WHITE

	6500-2700K / CRI>90	
	LED [Z] 17.8W / 2054lm / 500mA	
	18°	30°
ROUND	**28423 9010** ◇	**28423 9020** ◇
SQUARE	**28523 9010** ◇	**28523 9020** ◇
	◇ B / GC / W	

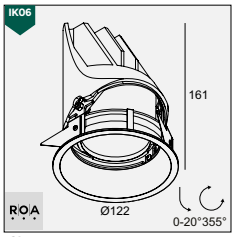
0,7 IP20 IP44

REQUIREMENTS
LED POWER SUPPLY

OPTIONS
ENTERO ROUND L MOUNTING SET S2 ▸ **28500 0210** (for Concrete Installation)

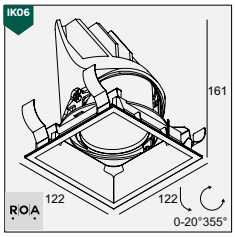
Entero
Large
X

ROUND



Ø112 x 175 / max.16

SQUARE



112 x 112 x 175 / 12,5 or 25

	3000K / CRI>90	2700K / CRI>90
	LED [E] 10.7W / 814lm / 900mA	LED [E] 10.7W / 814lm / 900mA
	10°	10°
ROUND	**28446 9310** ◇ *	**28446 9210** ◇ *
SQUARE	**28546 9310** ◇ *	**28546 9210** ◇ *

◇ B / W

0,8 IP65

	3000K / CRI>90		2700K / CRI>90	
	LED [I] 30.8W / 3974lm / 900mA		LED [I] 30.8W / 3802lm / 900mA	
	18°	30°	18°	30°
ROUND	**28447 9310** ◇	**28447 9320** ◇	**28447 9210** ◇	**28447 9220** ◇
SQUARE	**28547 9310** ◇	**28547 9320** ◇	**28547 9210** ◇	**28547 9220** ◇

◇ B / W

0,8 IP65

TUNABLE WHITE

	6500-2700K / CRI>90	
	LED [Z] 17.8W / 2054lm / 500mA	
	18°	30°
ROUND	**28449 9010** ◇	**28449 9020** ◇
SQUARE	**28549 9010** ◇	**28549 9020** ◇

◇ B / W

0,8 IP65

REQUIREMENTS
LED POWER SUPPLY

OPTIONS
ENTERO ROUND L MOUNTING SET S2 ▸ **28500 0210** (for Concrete Installation)

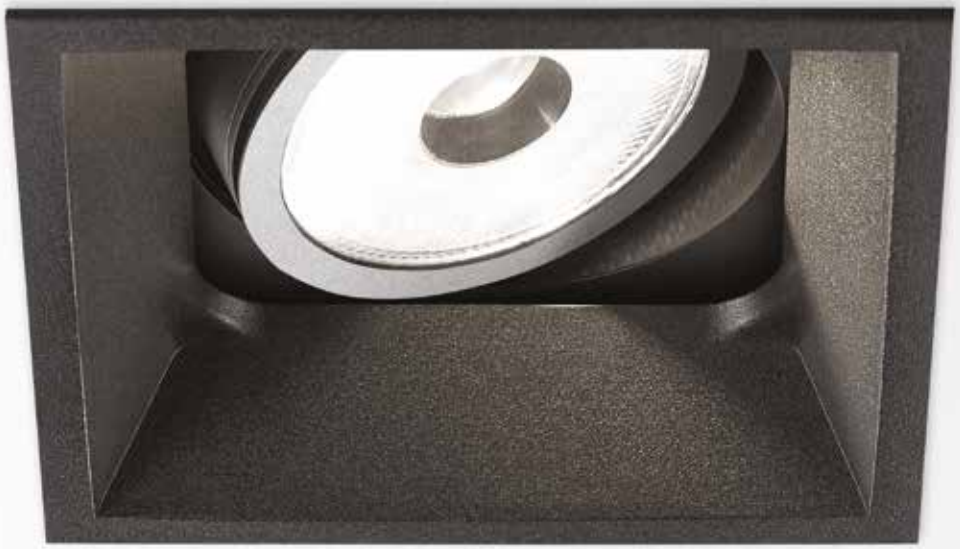
ACCESSORIES
ENTERO L GLASS SBL ▸ **28500 0160**
ENTERO L HONEYCOMB DOUBLE USE ▸ **28500 0180** B
ENTERO L HONEYCOMB SINGLE USE ▸ **28500 0170** B
ENTERO L LINEAR SPREAD LENS ▸ **28500 0130**
ENTERO L SOFTENING LENS ▸ **28500 0150**
ENTERO L SPREAD LENS ▸ **28500 0140**

Max.900mA when using 1 accessory
Max.800mA when using 2 accessories
* One accessory: honeycomb single use

REQUIREMENTS ▸ INFO FOLD-OUT RIGHT / **OPTIONS** ▸ INFO TECHNICAL CHAPTER

ENTERO ROUND L

Scale 100%



ENTERO SQUARE L

Technical Data.

WIRELESS CONTROL

Delta Light introduces **CTRL DELTA**, enabling you to control and manage a selection of LED luminaires via mobile devices (Apple or Android).
In essence, all dimmable luminaires can be wireless controlled, as long as the required components are either integrated or installed externally.
Throughout this Lighting Bible®, the symbols below show if wireless control is possible with the luminaire in question.

CTRL DELTA IN

CTRL DELTA INSIDE
WIRELESS CONTROL IS STANDARD AND THE LUMINAIRE HAS THE REQUIRED COMPONENT INTEGRATED.

CTRL DELTA R

CTRL DELTA READY
LUMINAIRE CAN BE WIRELESS CONTROLLED, BUT REQUIRES AN EXTERNAL COMPONENT. IN ORDER TO ENSURE THE BEST INTERACTION, THIS COMPONENT NEEDS TO BE INSTALLED NEARBY THE LUMINAIRE. INSTALLATION OPTIONS NEED TO BE CHECKED ACCORDING TO THE NATURE OF THE LUMINAIRE AND THE INSTALLATION POSSIBILITIES.

Easy to install. You don't need any new wiring, switches, devices or networks.
Plug in the lighting fixture and pair it with your smartphone or tablet.
No other configurations needed.

Easy to use. You can control your lights with an intuitive and visual user interface on your smartphone or tablet.

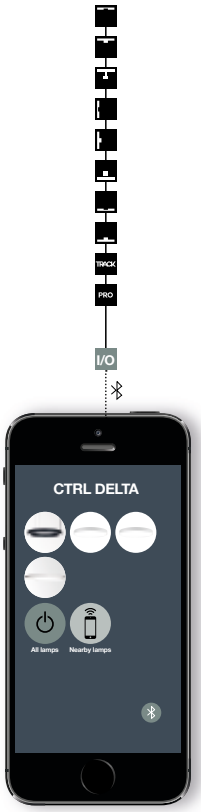
Easy to enjoy. With a tap on your smartphone you can set the ambience.
With the Casambi App you can control your luminaires individual or in groups.

How to in 5 easy steps
1. Order your desired CTRL DELTA unit (not standard included with luminaire)
2. Install the CTRL DELTA unit
3. Download the Casambi App in the App or Play Store.
4. Find your CTRL DELTA unit in the Casambi app, using Bluetooth.
5. Take a picture of your room and place the light controls upon the related pictures.
   Now you can visually manage your luminaires directly through the picture.

For more information and technical info please go to
www.deltalight.com/CTRLDELTA

CTRL DELTA IDENTITY KIT	
RF TECHNOLOGY	
GATEWAY	OPTIONAL*
MOBILE PLATFORM	
APPLE HOME	COMPATIBLE PENDING
WALL SWITCH	WIRELESS SWITCH PUSH BUTTON INTERFACE
NODES PER NETWORK	128 (IN & OUT)
iBEACON PROXIMITY	YES
AVAILABLE HARDWARE	1-10V DALI FE DIMMING 4 CHANNEL FLEX INTERFACE

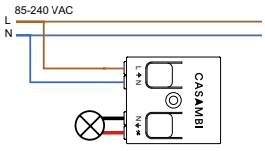
* For external communication only



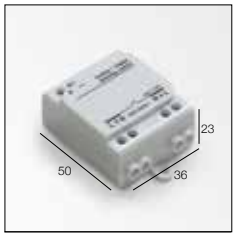
CTRL DELTA RECEIVER

WIRELESS CONTROL DIM8
300 90 004 ED8
100-240V / 0,6A

0,1 IP20



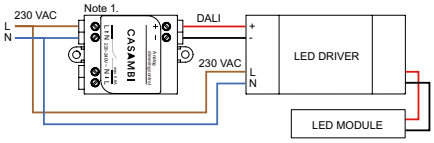
MAINS VOLTAGE E27/GU10 max.150W
LOW VOLTAGE + ELECTRONIC TRANSFO max.50W
LED POWER SUPPLY + LED max.50W



WIRELESS CONTROL DIM5
300 90 004 ED5
220-240V / 0,6A

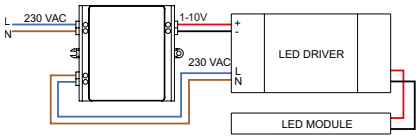
max.4 DALI DEVICES

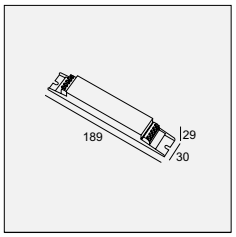
0,1 IP20



WIRELESS CONTROL 5A DIM1
300 90 016 ED1
100-240V / 5A

0,1 IP20

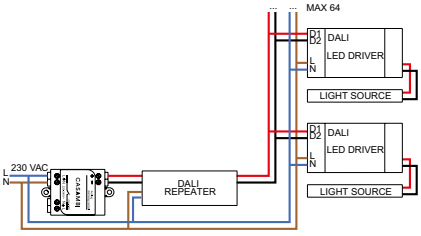




DALI REPEATER
300 90 137

max.64 DALI DEVICES
max.DISTANCE 300m

0,1 IP20



WIRELESS CONTROL DIM5 + DALI GATEWAY

21032 0065

DUAL MODE

WIRELESS CONTROL MODE:
BROADCAST 1 ADRESS:
DALI or DT8 TW or DT8 RGB*
(MAX. 35 DALI DEVICES)
DALI POWER SUPPLY REQUIRED

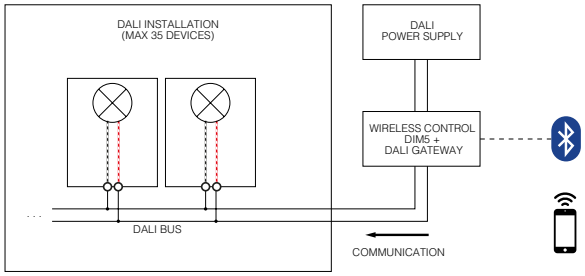
DALI GATEWAY MODE:
1 ADRESS/CTRL DELTA DEVICE

MAX DALI BUS CURRENT: 250mA
VOLTAGE RANGE: 9,5-22,5V-DC

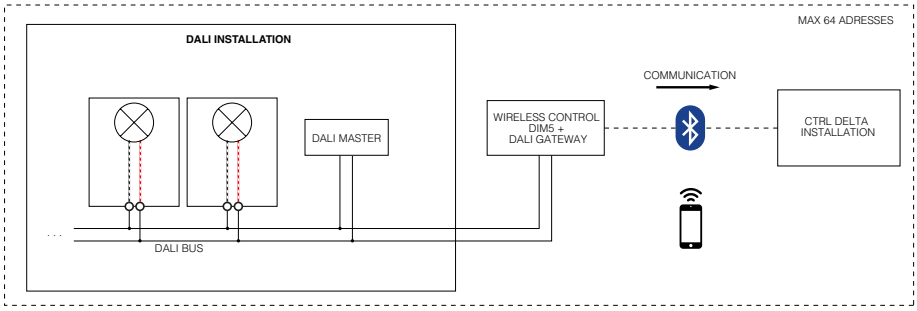
0,1 IP20

*selection to be made in app

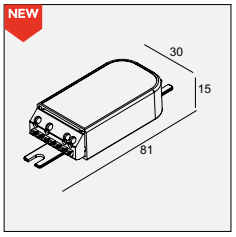
WIRELESS CONTROL MODE



DALI GATEWAY MODE



DALI POWER SUPPLY

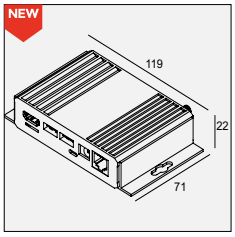


21032 0075

DALI OUTPUT CURRENT:
70mA
DALI VOLTAGE RANGE:
13,6-18,4V-DC
220-240V / 50-60Hz

0,1 IP20

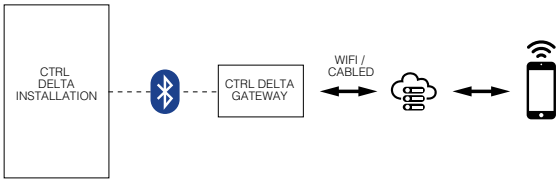
CTRL DELTA GATEWAY



21032 0090

CASAMBI APP
PRE-INSTALLED
220-240V / 50-60Hz

0,1 IP20



CTRL DELTA TRANSMITTER

WIRELESS SWITCH

300 90 312 ◇

◇ B / W

BATTERY POWERED
5 YEAR LIFETIME
4 FUNCTIONS

0,1 IP20

WIRELESS PUSH BUTTON INTERFACE

300 90 009

BATTERY POWERED
5 YEAR LIFETIME
4 FUNCTIONS EXTERNAL
PUSH BUTTON
TYPE OF FUNCTION
SET BY CTRL DELTA

0,1 IP20

WIRELESS PUSH BUTTON INTERFACE 24V-DC

21032 0020

24V-DC

4 FUNCTIONS EXTERNAL
PUSH BUTTON
TYPE OF FUNCTION
SET BY CTRL DELTA

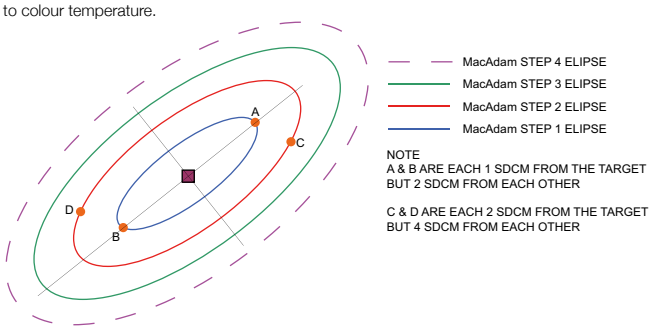
III 0,1 IP20

LED
Specifications.

At Delta Light®, we follow the evolution in LED at close range. What appears to be similar quality at first sight, can be totally different when looking at some of the underlying characteristics. These characteristics, like binning, risk factor, thermal management, degradation in luminous flux are part of the DNA of the Light Emitting Diode. These aspects determine the lifespan and the quality of the LED. For this matter, Delta Light® assures it only selects qualitative LEDs from qualitative manufacturers. High quality design cannot be made without high quality components.

COLOUR BINNING
No 2 LEDs are the same. When LEDs are produced, they vary in light output and in colour temperature, even when they are produced in the same batch. These differences may be small, but they do influence the quality of the LED. That is why manufacturers sort the LEDs, according to these performances, in different 'bins'. By reducing the number of bins to choose from, quality increases as performances are closer to each other.

MACADAM STEP
The differences in colour temperature between LEDs can be measured by looking at the MacAdam ellipses in Standard Deviation of Colour Matching (SDCM), according to the CIE 1931 Standard. This system looks at the ability of the human eye to perceive colour differences and ranks it on a scale from 0 to 10. Within 1 MacAdam ellipse a colour difference is not noticeable to the human eye under any condition. From 1 to 3 ellipses it is very difficult for the human eye to notice any difference in colour, meaning that up to 3 MacAdam ellipses all LEDs are very homogeneous when it comes to colour temperature.

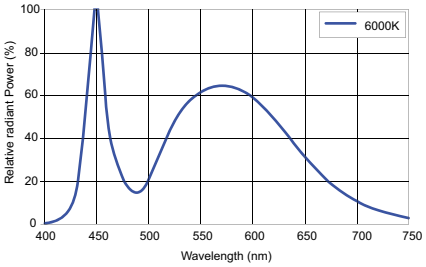


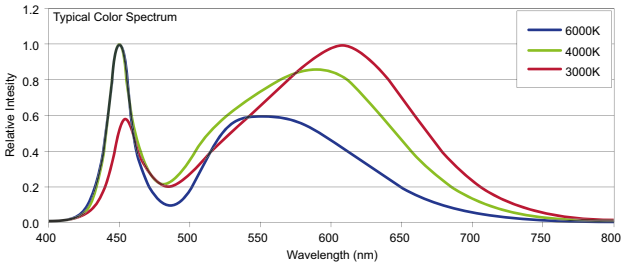
RISK FACTOR
The European standard for photo biological safety EN 62471 describes a measuring method to determine whether a lamp or luminaire carries a risk of eye and skin damage. LED light contains almost no light from the ultraviolet or infrared spectrum, and therefore is not dangerous to the skin.
It does however provide a high peak in the blue spectrum which, when looking into a bright light source (for a long period of time), may result in irreversible damage to the retina, the so-called the Blue Light Hazard.

Whether the risk is real, depends on several factors: luminance of the LED, colour temperature, but also light distribution and distance to the luminaire play an important role. When a LED is placed in a luminaire, it is located behind a lens, reflector or diffuser, thus levelling off the luminance.

To allow users to estimate the risk, the standard EN 62471 determines that lamps and luminaries must be divided into four risk groups:
- Risk group 0 ("exempt" group): this means that there is no danger, even with unlimited viewing of the light source.
- Risk group 1: The risk is limited, no more than 10.000 seconds of viewing is allowed (just under 3 hours).
- Risk group 2: up to 100 seconds of viewing is allowed.
- Risk group 3: up to 0.25 seconds of viewing is allowed. This is shorter than the natural aversion reflex of the eye.

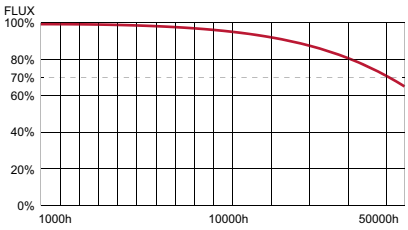
For light sources of risk group 3, protective measures are always needed. For the other groups, it depends on the application. If the light sources belong in group 2 or 3, then this must be indicated.





LED LIFESPAN LM-80 – TM-21
Conventional light sources mostly burn out before a serious loss of light output is noticeable. As the lifetime of LEDs exceeds the lifetime of conventional light sources, light output degrades over time before burning out. This degradation in luminous flux can be measured according to the L value and the operating period of time:
- L value shows the percentage of luminous flux regarding the initial luminous flux over a period of time.
- The operating period of time, expressed in hours.

Example: L_{70} 60.000h means that after 60.000 hours the luminous flux will be at least 70% of the original luminous flux.



All the technical parameters for LED-apply to the entire module.
In view of the complex manufacturing process for light emitting diodes (LED), the typical values given in this **Lighting Bible®** are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values. For most accurate info, please consult: **www.deltalight.com/ledspecs.pdf**

All lumen values in this catalogue are related to the Led units. For more info on the lumen values of the products please visit our website **www.deltalight.com**

TM30
Consult our website for more info on R9 values and TM30 details : Fidelity Index (Rf) and Gamut Index (Rg)

CRI 90				2700K	3000K	4000K	TYPICAL VALUES		LIFETIME¹		RISK GROUP¹	SDCM¹	EMERGENCY²
LED			POWER	LUMINOUS FLUX @ 70°	LUMINOUS FLUX @ 70°	LUMINOUS FLUX @ 70°	FORW. CUR.	FORW. VOLT.	L_{xx}	HOURS			BLF %
	[A]		**2,3W**	214lm - 94lm/W	240lm - 105lm/W	NOT AVAILABLE	800mA	2,9V*	L_{90}	>100000h	RG1	3	100 %
			3W	264lm - 88lm/W	301lm - 101lm/W	NOT AVAILABLE	1050mA	2,9V*					100 %
	[C]		-										
	[D]		**6,4W**	587lm - 92lm/W	587lm - 92lm/W	NOT AVAILABLE	350mA	18,3V*	L_{90} L_{80}	>30000h >60500h	RG1	2	100 %
			9,5W	755lm - 79lm/W	755lm - 79lm/W	NOT AVAILABLE	500mA	19,1V*					71 %
	[E]		**3,9W**	385lm - 98lm/W	385lm - 98lm/W	NOT AVAILABLE	350mA	11,3V*	L_{90}	>72600h	RG2 TRESHOLD 0,6m	2	54 %
			5,1W	480lm - 94lm/W	480lm - 94lm/W	NOT AVAILABLE	450mA	11,4V*					54 %
			5,7W	519lm - 90lm/W	519lm - 90lm/W	NOT AVAILABLE	500mA	11,5V*					54 %
			8,2W	677lm - 82lm/W	677lm - 82lm/W	NOT AVAILABLE	700mA	11,7V*					50 %
			10,7W	814lm - 76lm/W	814lm - 76lm/W	NOT AVAILABLE	900mA	11,9V*					50 %
	[F]		**2W**	201lm - 101lm/W	229lm - 115lm/W	NOT AVAILABLE	700mA	2,9V*	L_{80}	>36300h	RG2 TRESHOLD 0,6m	3	-
			3,2W	280lm - 88lm/W	319lm - 100lm/W	NOT AVAILABLE	1050mA	3,0V*					-
			4,3W	351lm - 82lm/W	400lm - 93lm/W	NOT AVAILABLE	1400mA	3,1V*					-
	[G]		**3,2W**	297lm - 94lm/W	309lm - 98lm/W	NOT AVAILABLE	350mA	9V*	L_{70}	>50000h	RG1	2	100 %
			6,8W	520lm - 77lm/W	543lm - 80lm/W	NOT AVAILABLE	700mA	9,7V*					52 %
	[H]		**6W**	675lm - 112lm/W	703lm - 117lm/W	752lm - 125lm/W	300mA	20,0V*	L_{70}	>50000h	RG1	2	100 %
			7,1W	779lm - 110lm/W	812lm - 115lm/W	870lm - 123lm/W	350mA	20,2V*					91 %
			10,4W	1083lm - 105lm/W	1128lm - 109lm/W	1204lm - 116lm/W	500mA	20,7V*					64 %
			15W	1456lm - 97lm/W	1517lm - 101lm/W	1620lm - 108lm/W	700mA	21,4V*					44 %
	[I]		**11,3W**	1561lm - 168lm/W	1632lm - 178lm/W	NOT AVAILABLE	350mA	32,2V*	L_{90}	>50000h	RG1	1	48 %
			27,1W	3410lm - 126lm/W	3565lm - 132lm/W	NOT AVAILABLE	800mA	34,2V*					
			30,8W	3802lm - 123lm/W	3974lm - 129lm/W	NOT AVAILABLE	900mA	34,2V*					
			36,5W	4380lm - 120lm/W	4579lm - 126lm/W	NOT AVAILABLE	1050mA	34,7V*					
	[J]		**16,3W**	2209lm - 136lm/W	2309lm - 142lm/W	2443lm - 150lm/W	500mA	32,5V*	L_{70}	>50000h	RG1	1	36 %
			23,2W	3031lm - 130lm/W	3169lm - 136lm/W	3353lm - 144lm/W	700mA	33,2V*					25 %
			36W	4393lm - 122lm/W	4592lm - 127lm/W	4859lm - 135lm/W	1050mA	34,3V*					16 %
			41,7W	4948lm - 119lm/W	5173lm - 124lm/W	5473lm - 131lm/W	1200mA	34,7V*					12 %
	[Q]		**6,1W**	768lm - 126lm/W	775lm - 127lm/W	812lm - 133lm/W	350mA	17,4V*	L_{70}	>50000h	RG1	1	100%
			8W	967lm - 121lm/W	976lm - 122lm/W	1023lm - 128lm/W	450mA	17,8V*					77%
			9W	1067lm - 119lm/W	1076lm - 120lm/W	1128lm - 126lm/W	500mA	17,9V*					70%
			13W	1422lm - 110lm/W	1435lm - 111lm/W	1504lm - 116lm/W	700mA	18,5V*					50%
	[R]		**11,7W**	1481lm - 127lm/W	1522lm - 130lm/W	1688lm - 144lm/W	350mA	33,4V*	L_{70}	>50000h	RG1	1	50%
			15,3W	1830lm - 120lm/W	1913lm - 125lm/W	2024lm - 132lm/W	450mA	33,9V*					34%
			17,1W	2068lm - 121lm/W	2125lm - 124lm/W	2357lm - 138lm/W	500mA	34,2V*					34%
			24,6W	2829lm - 115lm/W	2907lm - 118lm/W	3225lm - 131lm/W	700mA	35,1V*					22%
	[U]		**4,1W**	551lm - 135lm/W	576lm - 141lm/W	ON REQUEST	250mA	16,3V*	L_{70} L_{80}	>50000h >51400h	RG1	1	100 %
			5,8W	753lm - 129lm/W	787lm - 135lm/W	ON REQUEST	350mA	16,6V*	L_{70} L_{80}	>50000h >51400h	RG1	1	100 %
			8,6W	1041lm - 121lm/W	1089lm - 127lm/W	ON REQUEST	500mA	17,1V*	L_{70} L_{80}	>50000h >51400h	RG1	1	70 %
			12,4W	1403lm - 113lm/W	1467lm - 118lm/W	ON REQUEST	700mA	17,7V*	L_{70} L_{80}	>50000h >51400h	RG1	1	50 %

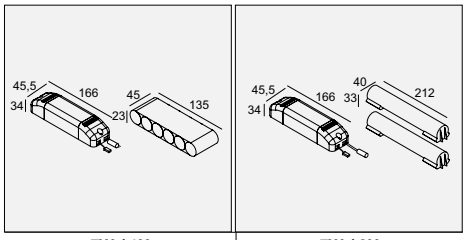
CRI 90				SOFT DIM 3000-1800K									
	[S]		**9,5W**	760lm - 80lm/W	NOT AVAILABLE	NOT AVAILABLE	650mA	14,6V*	L_{70}	>50000h	RG0	3	-
	[V]		**15,7W**	1257lm - 80lm/W	NOT AVAILABLE	NOT AVAILABLE	800mA	19,6V*	L_{70}	>50000h	RG0	3	-

CRI 90				3000-1800K									
	[W]		**6W**	623lm - 105lm/W	NOT AVAILABLE	NOT AVAILABLE	350mA	17V*	L_{90}	>56000h	RG1	2	-
	[X]		**8,3W**	934lm - 113lm/W	NOT AVAILABLE	NOT AVAILABLE	250mA	33,8V*	L_{90}	>56000h	RG1	2	-
			11,8W	1327lm - 112lm/W	NOT AVAILABLE	NOT AVAILABLE	350mA	33,8V*	L_{90}	>56000h	RG1	2	-
			16,1W	1618lm - 101lm/W	NOT AVAILABLE	NOT AVAILABLE	450mA	35,7V*	L_{90}	>56000h	RG1	2	-

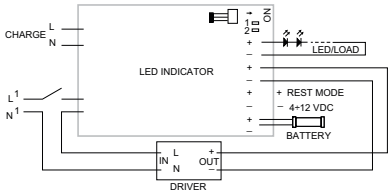
CRI 90				TUNABLE WHITE 6500-2700K	TUNABLE WHITE 4000-1800K								
	[Y]		**8,1W**	1007lm - 124lm/W	NOT AVAILABLE	NOT AVAILABLE	450mA	18V*	L_{90}	>56000h	RG1	2	-
			9W	1087lm - 121lm/W	979lm - 109lm/W	NOT AVAILABLE	500mA	18V*	L_{90}	>56000h	RG1	2	-
	[Z]		**17,8W**	2054lm - 116lm/W	NOT AVAILABLE	NOT AVAILABLE	500mA	35,5V*	L_{90}	>56000h	RG1	2	-

Requirements.
LED Power Supply.

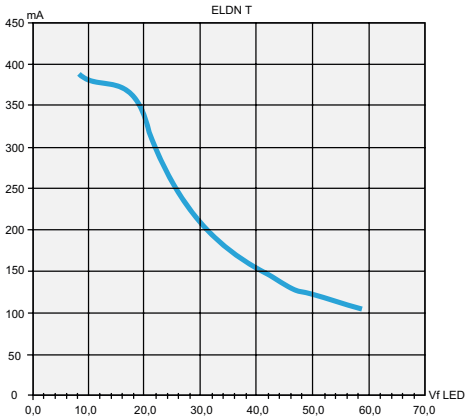
EMERGENCY UNIT



7W / 1H	7W / 3H
166 x 46 x 34 + 135 x 45 x 23	166 x 46 x 34 + 2 x (212 x 40 x 33)
125-350mA 9-46V-DC	**125-350mA** 9-46V-DC
202 91 0701	**202 91 0703**
220-240V / 50-60 Hz	
NI-Cd BATTERY 7,2V - 1,6Ah EMERGENCY OPERATION 1h CHARGING TIME 24h	NI-Cd BATTERY 7,2V - 4Ah EMERGENCY OPERATION 3h CHARGING TIME 24h
0,2 IP20	0,2 IP20



MAINTAINED WITH EXTERNAL ELECTRONIC DRIVER DIAGRAM
MAX. 2m DISTANCE EMERGENCY UNIT - DRIVER



Emergency units are battery powered units that come into force in case of general power failure. In this Lighting Bible we offer emergency units specifically for LED luminaires. Thanks to the battery, a luminaire can keep emitting an amount of light, equal to a percentage of the nominal value when the luminaire is emitting at full power. This percentage is determined by the emergency unit and is known as the Ballast-Lumen Factor (BLF). More info on this Ballast Lumen Factor can be found on PAG TEC 16-17 based on the type of LED.

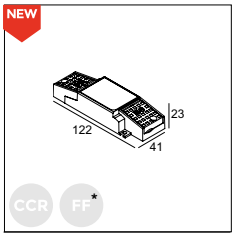
CC CONSTANT CURRENT

CCR CONSTANT CURRENT REDUCTION

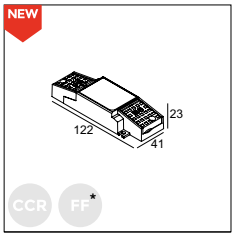
FF FLICKER-FREE

FF* **FLICKER-FREE:** MIN DIM LEVEL OF DIMMING DEVICE TO BE ADJUSTED FOR FLICKR FREE DIMMING

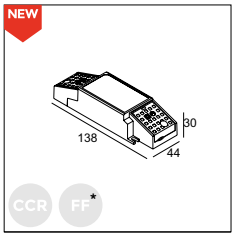
MULTI-POWER - IP20



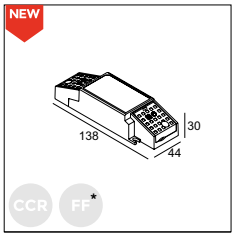
DIM8
min. 50
250mA / 7W 16-29V-DC
300mA / 8W 16-29V-DC
350mA / 10W 16-29V-DC
λ 0,90
MAINS DIMMING (FE)
21012 0258
220-240V / 50-60Hz
IP20



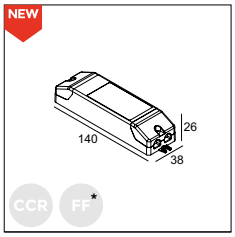
DIM8
min. 50
250mA / 10W 26-42V-DC
300mA / 12W 26-42V-DC
350mA / 14W 26-42V-DC
λ 0,90
MAINS DIMMING (FE)
21012 0268
220-240V / 50-60Hz
IP20



DIM8
min. 55
500mA / 14W 15-28V-DC
700mA / 19W 15-28V-DC
λ 0,90
MAINS DIMMING (FE)
21012 0278
220-240V / 50-60Hz
IP20



DIM8
min. 55
500mA / 26W 30-52V-DC
700mA / 36W 30-52V-DC
λ 0,90
MAINS DIMMING (FE)
21012 0288
220-240V / 50-60Hz
IP20



DIM8
min. 48
250mA / 13W 7-44V-DC
350mA / 17W 7-44V-DC
450mA / 19W 7-44V-DC
500mA / 19W 7-40V-DC
650mA / 19W 7-30V-DC
700mA / 19W 7-28V-DC
λ 0,90
MAINS DIMMING (FE)
21012 0298
220-240V / 50-60Hz
IP20

350-500-700-1050MA-DC - IP44

NEW

CCR FF*

DIM8

min. 38

350mA / 6W
13-21V-DC

λ 0,90

MAINS DIMMING (FE)

21012 0308

220-240V / 50-60Hz

IP44

NEW

CCR FF*

DIM8

min. 38

500mA / 10W
13-21V-DC

λ 0,90

MAINS DIMMING (FE)

21012 0318

220-240V / 50-60Hz

IP44

NEW

CCR FF*

DIM8

min. 38

700mA / 15W
13-21V-DC

λ 0,90

MAINS DIMMING (FE)

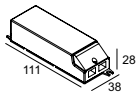
21012 0328

220-240V / 50-60Hz

IP44

1050MA-DC

CC



1050mA / 22W (110V: 12W)

min. 48

2-21V-DC

λ 0,6

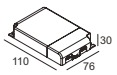
NON DIMMABLE

300 90 148

110-240V / 50-60Hz

0,1 IP20

MULTI-POWER



CC

HV

min. 90

350mA / 30W
43-85V-DC

450mA / 35W
33-85V-DC

500mA / 40W
30-85V-DC

650mA / 55W
25-85V-DC

700mA / 60W
25-86V-DC

800mA / 70W
25-88V-DC

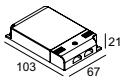
λ 0,95

NON DIMMABLE

300 90 135

220-240V / 50-60Hz

0,1 IP20



CCR FF

DIM7

min. 72

350mA / 18W
10-53V-DC

450mA / 23W
5-52V-DC

500mA / 25W
2-50V-DC

650mA / 32W
2-49V-DC

700mA / 32W
2-46V-DC

800mA / 32W
2-25V-DC

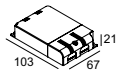
λ 0,95

1-10V DIM / SWITCH DIM

300 90 64

110-240V / 50-60Hz (110V: 15W)

0,1 IP20



CCR FF

DIM5

min. 72

350mA / 17W
5-48V-DC

450mA / 22W
5-48V-DC

500mA / 24W
5-48V-DC

650mA / 31W
3-48V-DC

700mA / 32W
3-46V-DC

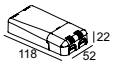
λ > 0,9

DALI DIM

300 90 68

110-240V / 50-60Hz (110V: 15W)

0,2 IP20



CCR FF

DIM5

min. 55

350mA / 17W
10-49V-DC

450mA / 20W
5-45V-DC

500mA / 20W
5-40V-DC

700mA / 20W
3-28V-DC

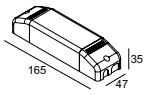
λ > 0,9

DALI DIM

300 90 125

110-240V / 50-60Hz (110V: 15W)

0,2 IP20



CCR

DIM6

min. 56

350mA / 17W
2-47V-DC

500mA / 24W
2-47V-DC

700mA / 32W
2-46V-DC

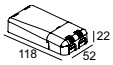
λ > 0,9

SWITCH DIM / MAINS DIM (FE)

300 90 61

220-240V / 50-60Hz

0,2 IP20



CCR FF

DIM7

min. 55

350mA / 18W
15-50V-DC

450mA / 20W
5-45V-DC

500mA / 20W
5-40V-DC

650mA / 20W
3-31V-DC

700mA / 20W
3-29V-DC

λ > 0,9

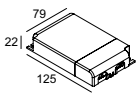
1-10V DIM / SWITCH DIM

300 90 124

110-240V / 50-60Hz (110V: 15W)

0,1 IP20

MULTI-POWER



CCR FF

DIM9

min. 84

350mA / 25W
2-74V-DC

500mA / 35W
2-72V-DC

650mA / 46W
2-72V-DC

700mA / 50W
2-72V-DC

1050mA / 60W
2-57V-DC

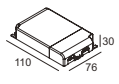
λ > 0,9

SWITCH / 1-10V / DALI DIM

300 90 63

110-240V / 50-60Hz (110V: 40W)

0,1 IP20



CCR FF

HC DIM9

min. 90

1050mA / 45W
2-44V-DC

1200mA / 52W
2-44V-DC

1400mA / 55W
2-43V-DC

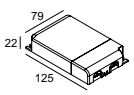
λ > 0,9

SWITCH / 1-10V / DALI DIM

300 90 136

110-240V / 50-60Hz (110V: 40W)

0,2 IP20



CCR FF

HV DIM9

min. 90

350mA / 39W
20-112V-DC

500mA / 56W
2-112V-DC

650mA / 60W
2-92V-DC

700mA / 60W
2-86V-DC

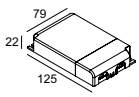
λ > 0,9

SWITCH / 1-10V / DALI DIM

300 90 69

110-240V / 50-60Hz (110V: 40W)

0,2 IP20



CCR FF

WD

min. 84

350mA / 25W
2-74V-DC

500mA / 35W
2-72V-DC

650mA / 46W
2-72V-DC

700mA / 50W
2-72V-DC

1050mA / 60W
2-57V-DC

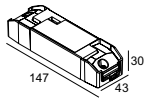
λ > 0,9

WIRELESS DIM

21012 004W

110-240V / 50-60Hz (110V: 40W)

0,1 IP20



CCR FF

WD

min. 54

350mA / 18,5W
3-54V-DC

450mA / 24W
3-54V-DC

500mA / 27W
3-54V-DC

650mA / 35W
3-54V-DC

700mA / 36W
3-51V-DC

1050mA / 38W
3-36V-DC

λ > 0,9

WIRELESS DIM

21012 005W

220-240V / 50-60Hz

0,1 IP20

Requirements.
Installation

APPLICATION OF MOUNTING OPTIONS

Consult where used list of mounting options per luminaire: **www.deltalight.com/mountingoptions**

SUSPENDED T-BAR & CEILING TILES (MIN. 8 MM)

APPLY: (replace tile by MDF) MOUNTING KIT

MF (METAL FRAME) CEILING DRY LINED / GYPROC / MDF

APPLY: MOUNTING KIT

STUCANET

APPLY: MOUNTING KIT

CONCRETE + PLASTER

APPLY: MOUNTING KIT

CONCRETE BEAM & BLOCK + PLASTER

APPLY: MOUNTING KIT

PREFABRICATED CONCRETE PLATE + PLASTER

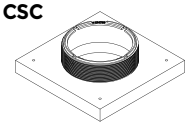
APPLY: MOUNTING KIT

STRETCHED CEILING

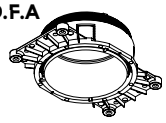
APPLY: MOUNTING KIT

HOW TO MOUNT KITS

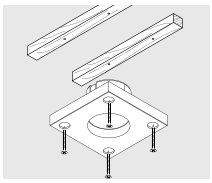
CSC

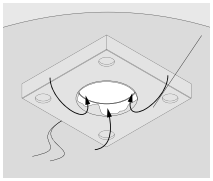


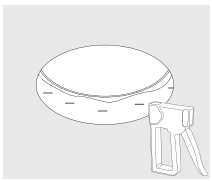
O.F.A



STRETCHED CEILING*

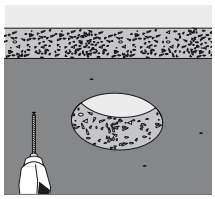


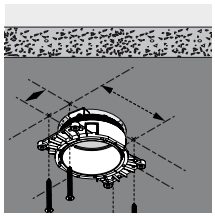


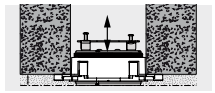


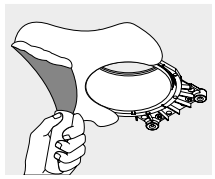
* STRETCHED CEILING kits available for both COLD STRETCHED CEILING and WARM STRETCHED CEILING

CONCRETE

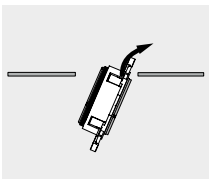


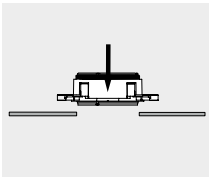


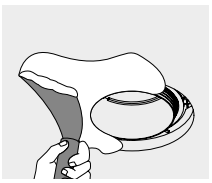




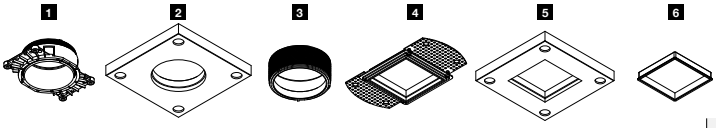
PLASTERBOARD





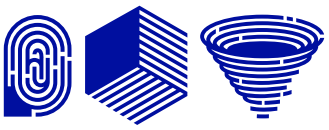


FULL I NFO ON RECESSED KITS ON **PAG TEC 33**

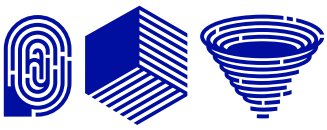


MOUNTING KITS	REFERENCE	A x B x C	KG	HOLLOW MATERIAL			TYPE
MOUNTING KIT ENTERO RD-S CSC	**28400 0070**	150 x 150 x 18	0,4	-	-	-	2
MOUNTING KIT ENTERO RD-S O.F.A.	**28400 0010**	138 x 97 x 45	0,3	-	105	-	1
MOUNTING KIT ENTERO RD-S WSC	**28400 0130**	Ø90 x 36	0,2	-	-	-	3
MOUNTING KIT ENTERO SQ-S	**28400 0040**	190 x 98 x 15	0,2	106 x 106	-	min.10 - max.15	4
MOUNTING KIT ENTERO SQ-S CSC	**28400 0100**	150 x 150 x 18	0,4	-	-	-	5
MOUNTING KIT ENTERO SQ-S WSC	**28400 0160**	83 x 83 x 13	0,2	-	-	-	6
MOUNTING KIT ENTERO RD-M CSC	**28400 0080**	170 x 170 x 18	0,4	-	-	-	2
MOUNTING KIT ENTERO RD-M O.F.A.	**28400 0020**	172 x 117 x 45	0,4	-	127	-	1
MOUNTING KIT ENTERO RD-M WSC	**28400 0140**	Ø111 x 39	0,2	-	-	-	3
MOUNTING KIT ENTERO SQ-M	**28400 0050**	210 x 119 x 18	0,2	122 x 122	-	min.10 - max.15	4
MOUNTING KIT ENTERO SQ-M CSC	**28400 0110**	170 x 170 x 18	0,4	-	-	-	5
MOUNTING KIT ENTERO SQ-M WSC	**28400 0170**	97 x 97 x 13	0,2	-	-	-	6
MOUNTING KIT ENTERO RD-L	**28400 0030**	225 x 160 x 20	0,3	-	162	min.10 - max.15	1
MOUNTING KIT ENTERO RD-L CSC	**28400 0090**	190 x 190 x 18	0,6	-	-	-	2
MOUNTING KIT ENTERO RD-L WSC	**28400 0150**	Ø121 x 13	0,3	-	-	-	3
MOUNTING KIT ENTERO SQ-L	**28400 0060**	235 x 145 x 20	0,3	142 x 142	-	min.10 - max.15	4
MOUNTING KIT ENTERO SQ-L CSC	**28400 0120**	190 x 190 x 18	0,6	-	-	-	5
MOUNTING KIT ENTERO SQ-L WSC	**28400 0180**	121 x 121 x 13	0,3	-	-	-	6

O.F.A. kits PATENT



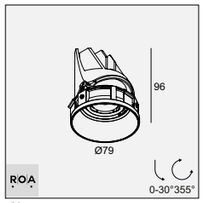
What if there is only one?



What if there is only one?

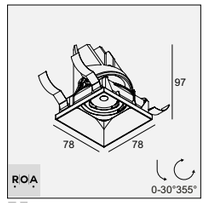
How to use this matrix.

ROUND



ØKIT x 105

SQUARE



KIT x 110

	3000K / CRI>90	2700K / CRI>90
	LED [E] 5.7W / 519lm / 500mA	LED [E] 5.7W / 519lm / 500mA
	10°	10°
ROUND	**28424 9310** ◇ *	**28424 9210** ◇ *
SQUARE	**28524 9310** ◇ *	**28524 9210** ◇ *
	◇ B / GC / W	

0,2 IP20

EXAMPLE CURRENT CONTROLLED POWER SUPPLY
1.LED Power Supply 500mA/20W
21012 0278
Min. 2 - Max.2 ENTERO S can be connected
(Power Supply fits through cut out of 55mm)

DIM1: dimming by 1-10V
DIM5: dimming by Dali
DIM6: dimming by push button / falling edge dimmer
DIM7: dimming by push button / 1-10V
DIM8: dimming by falling edge dimmer
DIM9: dimming by push button / 1-10V / Dali

Example: 4-14(11): min.4 - max.14 LED for 240V / min.4 - max.11 LED for 110V

				E					I				R				U				X			Y
LED POWER SUPPLY		MIN	mA	3,9w	5,1w	5,7w	8,2w	10,7w	11,3W	27,1W	30,8W	36,5W	11,7W	15,3W	17,1W	24,6W	4,1W	5,8W	8,6W	12,4W	9W	11,8W	16,1W	9W
350mA-DC / 7,35W DIM8 **21012 0308** 220-240V / 50-60Hz / IP44	NEW	min.38	350															1-1						
500mA-DC / 10W DIM8 **21012 0318** 220-240V / 50-60Hz / IP44	NEW	min.38	500																1-1					
700mA-DC / 15W DIM8 **21012 0328** 220-240V / 50-60Hz / IP44	NEW	min.38	700																	1-1				
MULTI-POWER 10W DIM8 **21012 0258** 220-240V / 50-60Hz / IP20	NEW	min.50	250																					
			350	2-2																				
MULTI-POWER 15W DIM8 **21012 0268** 220-240V / 50-60Hz / IP20	NEW	min.50	250														2-2				1-1			
			350	3-3					1-1				1-1					2-2				1-1		
MULTI-POWER 20W DIM8 **21012 0278** 220-240V / 50-60Hz / IP20		min.55	500			2-2													1-1					
			700				2-2													1-1				
MULTI-POWER 36W DIM8 **21012 0288** 220-240V / 50-60Hz / IP20	NEW	min.55	500			3-4									1-1				2-2					
			700				3-4									1-1				2-2				
MULTI-POWER 20W DIM8 **21012 0298** 220-240V / 50-60Hz / IP20	NEW	min.48	250														1-2				1-1			
			350	1-3					1-1				1-1					1-2				1-1		
			450		1-3									1-1										
			500			1-3									1-1				1-2					
			700				1-2													1-1				
1050mA-DC / 22W **300 90 148**		min.46	1050																					
MULTI-POWER HV **300 90 135** 220-240V / 50-60Hz / IP20		min.90	350	5-7					2-2				2-2					3-4						
			450		4-7									2-2										
			500			3-7									1-2				2-4					
			700				3-6									1-2				2-4				
			800				3-6			1-2						1-2				2-4				
			900					3-6			1-2													
			1050								1-1													
MULTI-POWER DIM7 **300 90 64** 110-240V / 50-60Hz / IP20		min.72	250																		1-1 (1)			
			350	1-4 (3)					1-1 (1)				1-1 (1)					1-2 (2)				1-1 (1)		
			450		1-4 (2)									1-1 (0)										
			500			1-4 (2)									1-1 (0)				1-2 (1)					
			700				1-3 (1)									1-1 (0)				1-2 (1)				
			800				1-3 (1)									1-1 (0)				1-2 (1)				
			900					1-1 (1)																
MULTI-POWER DIM5 **300 90 68** 110-240V / 50-60Hz / IP20		min.72	250																		1-1 (1)			
			350	1-4 (3)					1-1 (1)				1-1 (1)					1-2 (2)				1-1 (1)		
			450		1-4 (2)									1-1 (0)										
			500			1-3 (2)									1-1 (0)				1-2 (1)					
			700				1-3 (1)									1-1 (0)				1-2 (1)				
MULTI-POWER MINI DIM5 **300 90 125** 110-240V / 50-60Hz / IP20		min.55	250																		1-1 (1)			
			350	1-4 (3)					1-1 (1)				1-1 (1)					1-2 (2)				1-1 (1)		
			450		1-3 (2)									1-1 (0)										
			500			1-3 (2)									1-1 (0)				1-2 (1)					
			700				1-2 (1)													1-1 (1)				
MULTI-POWER DIM6 **300 90 61** 220-240V / 50-60Hz / IP20		min.56	350	1-3					1-1				1-1					1-2				1-1		
			500			1-3									1-1				1-2					
			700				1-3									1-1				1-2				
MULTI-POWER DIM7 **300 90 124** 110-240V / 50-60Hz / IP20		min.55	250																		1-1 (1)			
			350	2-4 (3)					1-1 (1)				1-1 (1)					1-2 (2)				1-1 (1)		
			450		1-3 (2)									1-1 (0)										
			500			1-3 (2)									1-1 (0)				1-2 (1)					
			700				1-2 (1)													1-1 (1)				
			900					1-1 (1)																
MULTI-POWER DIM9 **300 90 63** 110-240V / 50-60Hz / IP20		min.84	350	1-6 (6)					1-2 (2)				1-2 (2)					1-4 (4)				1-2 (2)		
			500			1-5 (5)									1-2 (2)				1-3 (3)					
DIM1 IN			700				1-5 (4)									1-2 (1)				1-3 (3)				
MULTI-POWER WD **21012 004W** 110-240V / 50-60Hz / IP20			900					1-5 (3)			1-1 (1)													
			1050									1-1 (1)												
MULTI-POWER HC DIM9 **300 90 136** 110-240V / 50-60Hz / IP20		min.90	1050									1-1 (1)												
			1200																					
			1400																					
MULTI-POWER HV DIM9 **300 90 69** 110-240V / 50-60Hz / IP20		min.90	250																		1-3 (3)			
			350	2-9 (10)					1-3 (3)				1-3 (3)					2-6 (6)				1-3 (3)		
			450											1-3 (1)										
			500			1-9 (6)									1-3 (2)				1-6 (4)					
			700				1-6 (4)									1-2 (1)				1-4 (3)				
DIM1 IN			350	2-4					1-1				1-1					1-3				1-1		
MULTI-POWER COMPACT WD **21012 005W** 220-240V / 50-60Hz / IP20		min.54	450											1-1										
			500			2-4									1-1				1-2					
			700				1-4									1-1				1-2				
			900								1-1 (1)													
			1050									1-1 (1)												
LED POWER SUPPLY 2CH TW **500mA-DC** **21012 0355** DALI DIMLMING (DT8) 220-240V / 50-60Hz / IP20		min.86	500																					1-2

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