

THE
WORLD
OF
Swap.
2019



ARKOSLIGHT®

THE WORLD OF Swap.[®] 2019



reddot design award
winner 2015



ARKOSLIGHT[®]

Swap.
Square

Swap.
Square Asymmetric

Swap. ^(XL)

Swap. ^(L)
Asymmetric

Swap. ^(L)

Swap. ^(M)
Asymmetric

Swap. ^(M)

Swap. ^(S)



THERE IS A SWAP FOR ANY MEASUREMENT

Swap is a family of recess-mounted LED spotlights with 4 different sizes (S, M, L and XL). Any recess-mounted diameter from 62 to 126 mm can thus be covered.



Swap. S



Swap. M



Swap. L



Swap. XL



ASYMMETRIC LIGHTING

On the outside they look like any other Swap, but the asymmetric models (available in sizes M and L) cover the function of wall washers thanks to the oblique projection of its light beam (tilted at 20°).



Swap. [Ⓜ]
Asymmetric



Swap. [Ⓛ]
Asymmetric

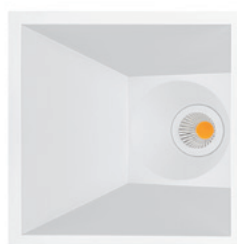


SQUARE SWAP

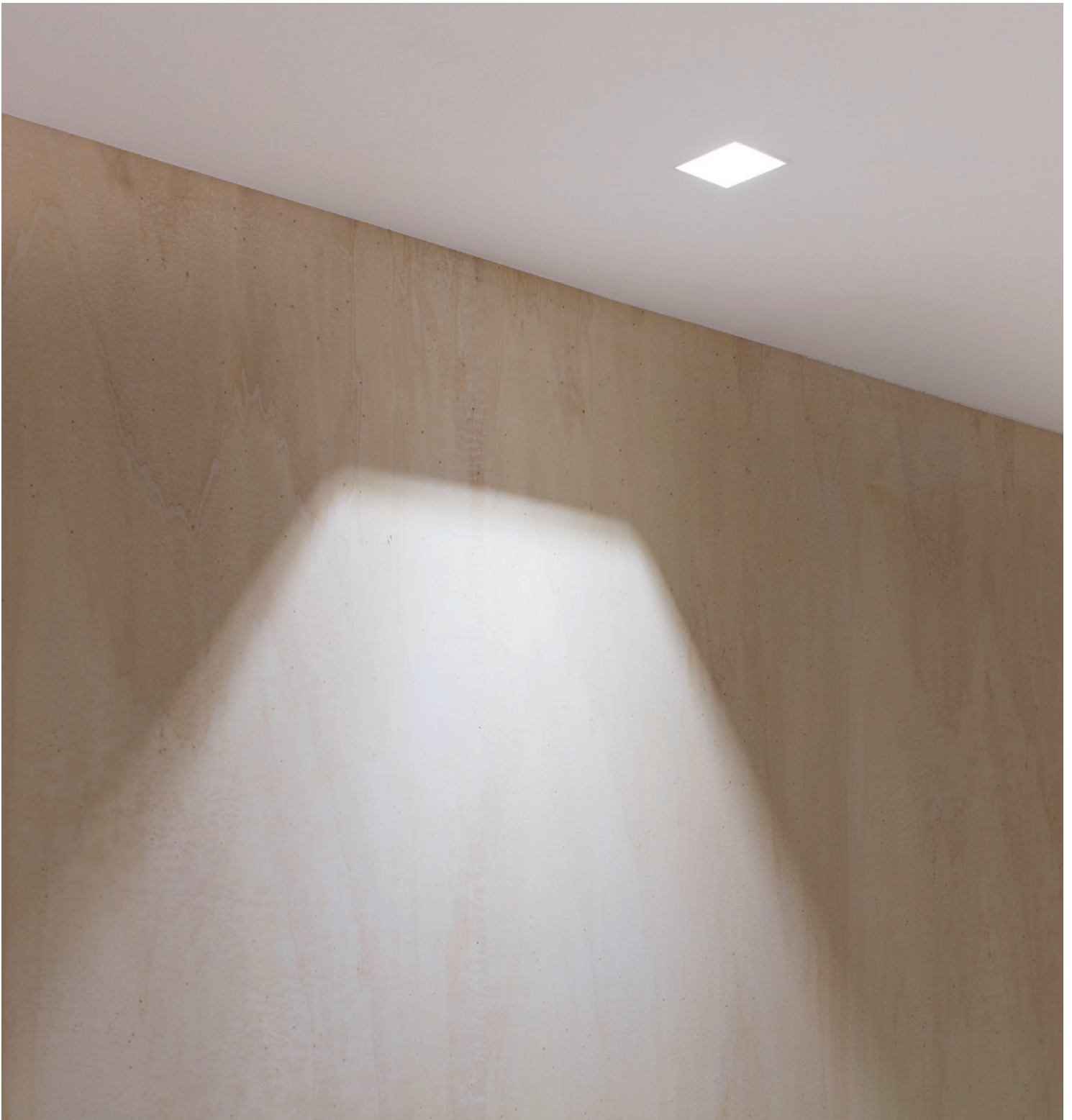
For interior designs that prefer straight lines, Swap is available in square version, either symmetric or asymmetric (tilted at 20°).



Swap.
Square



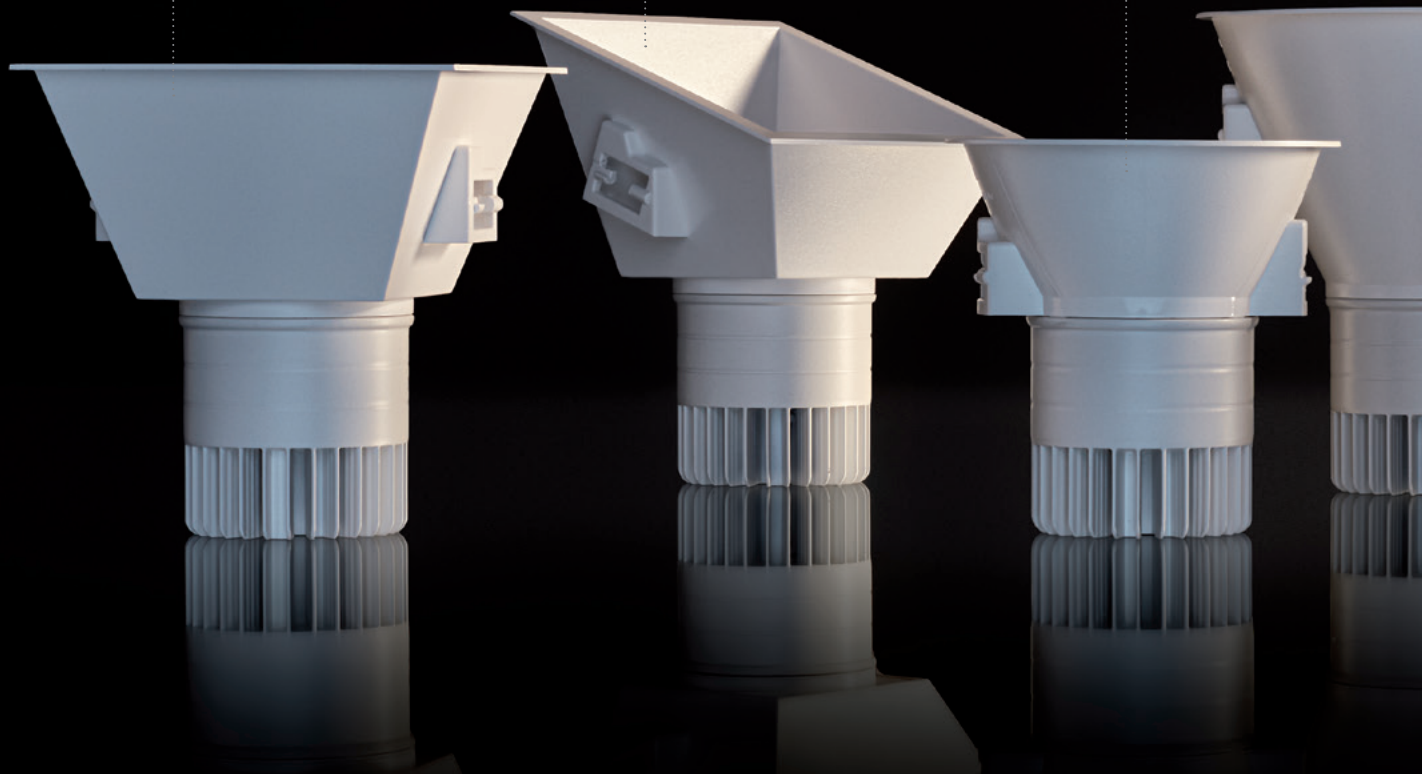
Swap.
Square Asymmetric



Swap.
Square

Swap.
Square Asymmetric

Swap. [®]M



Swap. ^{XL}

Swap. ^S

Swap. ^L

Swap. ^M
Asymmetric

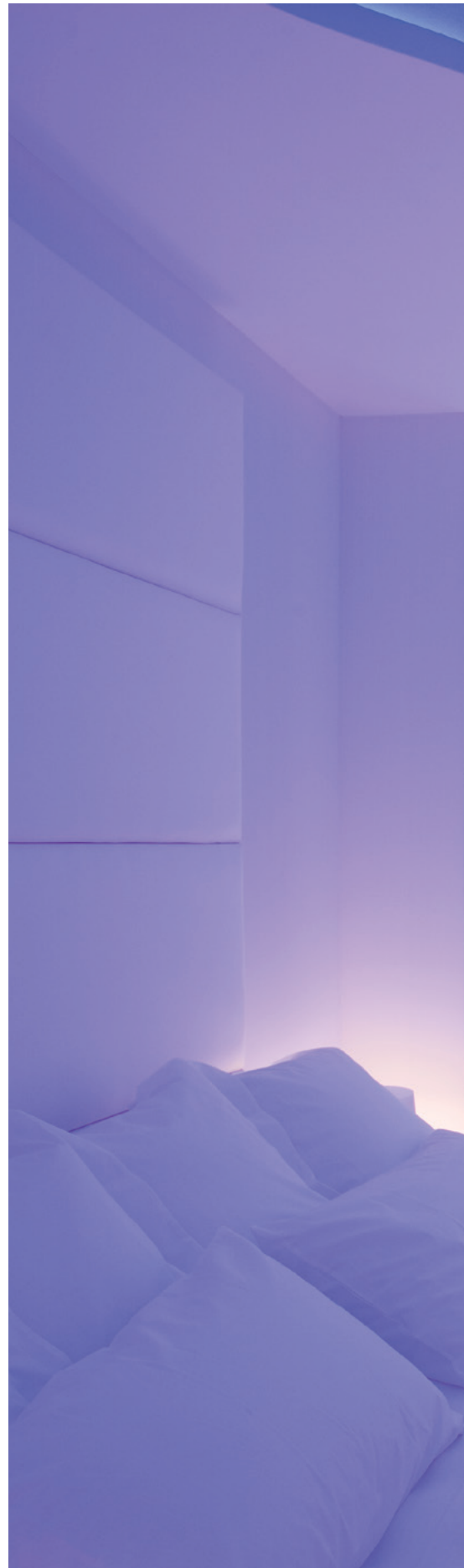
Swap. ^L
Asymmetric



MINIMALIST AESTHETICS, PERFECT INTEGRATION

In the Swap design, its extremely fine and narrow bezel disappears from sight when the light is turned on, in an elegant 'trimless effect'. That is why Swap is a piece that stands out for its minimalism and perfect integration into the ceiling. This, together with the anti-glare matt finish and perfect light wash of its shade, make Swap the perfect luminaire for projects that aesthetically seek clean lights, neutrality and an elegant and unperceived presence.

Hotel Boutique La Mar, Perifiscola (Spain) · www.hotelboutiquelamar.com | Design: SOM Soluciones Mobiliarias · www.somsolucionesmobiliarias.com





EXTRA BEZEL

This accessory is always included* but its use is optional. Extend the bezel of the piece to cover also larger ceiling cutouts, preserving the minimalism of Swap and its perfect integration into the ceiling. Easy installation.



Swap												
COLOUR	W	R	G	Z	W	N						
beisel												
COLOUR	W	W	W	W	W	W	N	N				



*Except Swap with IP54 option



RECESS-MOUNTED MEASUREMENTS

① 62-126

Swap. ⑤



① 62-66

+



① 66-78

Swap. ③



① 75-79

+



① 79-91

Swap. ④



① 85-89

+



① 89-101

Swap. ⑥



① 101-105

+



① 105-126

ASYMMETRIC · RECESS-MOUNTED MEASUREMENTS

⑦ 75-101

Swap. [Ⓜ]
Asymmetric



⑦ 75-79

+



⑦ 79-91

Swap. [Ⓛ]
Asymmetric



⑦ 85-89

+



⑦ 89-101

SQUARE · RECESS-MOUNTED MEASUREMENTS

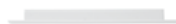
⑧ 85-101

Swap.
Square



⑧ 85-89

+



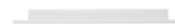
⑧ 89-101

Swap.
Square Asymmetric



⑧ 85-89

+



⑧ 89-101

ANY RECESS-MOUNTING MEASUREMENT, SEAMLESS

From 62 to 126 mm. Ideal for reforms where the light points are changed, leaving pre-existing holes, without having to touch the ceiling or paint again. Swap is the best LED update option, compared with 'retrofit' replacement lamps.

RECESS-MOUNTING MEASUREMENTS · SEAMLESS

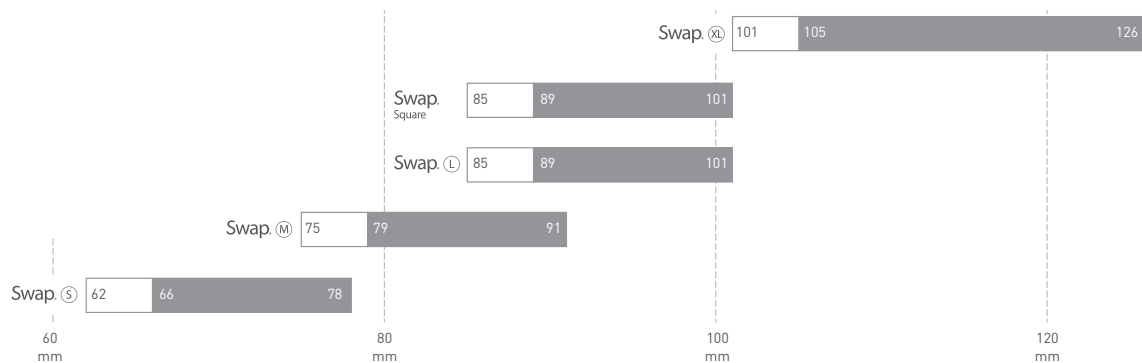
from 62 to 126 mm.

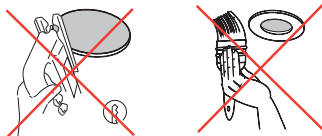
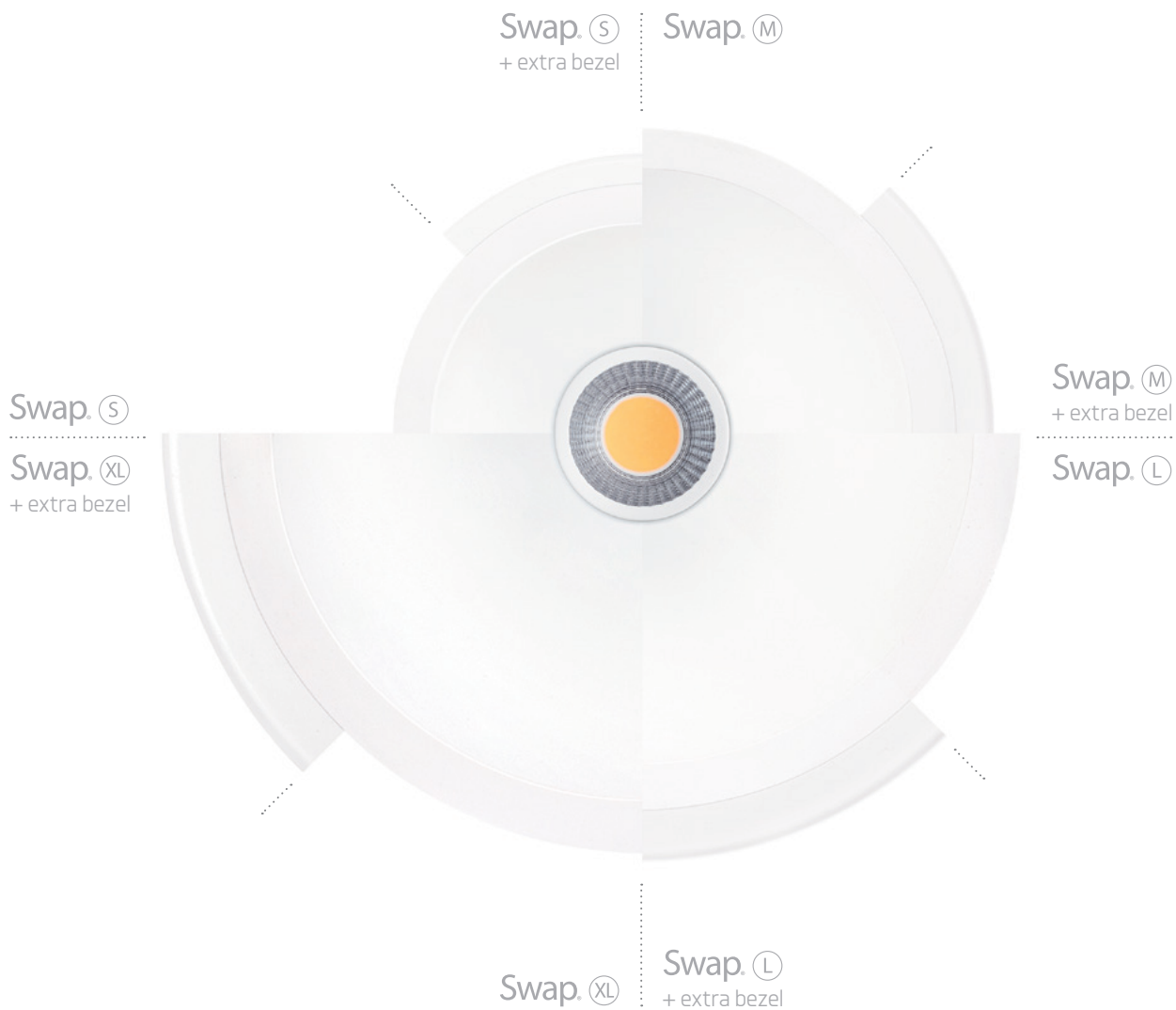


Swap



Swap + extra bezel





NO WORK, NO PAINTING

SWAP SUPER-CRI

ADDITIONALLY TO THE EXCELLENT CHROMATIC REPRODUCTION INDEX OF THE STANDARD SWAP REFERENCES (ABOVE 90) , WE ALSO HAVE A SUPER-CRI VERSION TO OBTAIN A HYPER-FAITHFUL RENDERING OF THE COLOURS. SUPER-CRI SWAP OFFERS A VALUE OF 97 ON THE CRI SCALE. THE CRI SCALE INDICATES HOW FAITHFUL THE COLOURS RENDERED BY AN ARTIFICIAL LIGHT SOURCE ARE, COMPARED WITH NATURAL LIGHT.

PERFECT COLOUR RENDERING

THE CRI VALUE OF A LED IS ESTABLISHED BY THE MEAN OFFERED IN THE CHROMATIC RENDERING OF A SERIES OF REFERENCE COLOURS. EVEN WHEN TESTED WITH THE COLOURS THAT ARE MORE UNFAVOURABLY RENDERED BY LED LIGHT SOURCES (R8, R9, R10), SUPER-CRI SWAP OFFERS OUTSTANDING VALUES AT ANY OF THE TEMPERATURES (2700, 3000 AND 4000K).



R8_Light reddish purple

2700K Super Warm White CRI 97

3000K Warm White CRI 98

4000K Cool Warm White CRI 98



R9_Strong red

2700K Super Warm White CRI 92

3000K Warm White CRI 92

4000K Cool Warm White CRI 99



R10_Strong yellow

2700K Super Warm White CRI 92

3000K Warm White CRI 91

4000K Cool Warm White CRI 92







Cinema room in private residence, Betera (Spain) | Design: Alfredo Monzó & Ester Climent | Photography: Mayte Píera · www.maytepieraimagenes.blogspot.com.es

VISUAL COMFORT AND MINIMUM GLARE

Swap is a luminaire that takes care of the visual comfort of the spaces where it is installed, like no other. Its small-sized reflector, situated in a considerably set back position with respect to the ceiling plane, permits reducing glare, thus offering a very low UGR index.

Even so, the UGR is not a typical characteristic of the luminaire, but of the installation, so the values given in this catalogue have been calculated using standard installation. We recommend the specific calculation of your installation to ensure the desired anti-glare index. All the UGRs in this catalogue have been calculated under the conditions: 4H 2H Shr1.

LUMINOUS EFFICACY

Swap has a reflector that has been specifically designed to minimise flux losses, taking advantage of the gross flow volume of the LED and getting the luminaire to offer maximum effective output lumens.

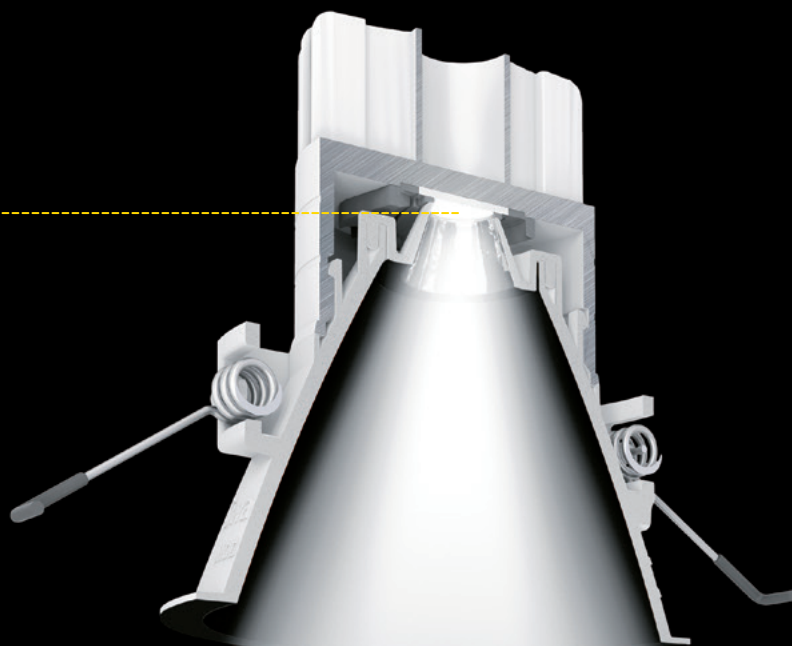
Thus, all the models offer luminous efficacy with a light output ratio of up to 90%.

ADJUSTABLE FLUX

Swap is sold with DALI, Push and phase-cut adjustment protocols, to offer end users the possibility of moderating their luminous flux and adjusting it to the specific needs of any facility, scene, moment, etc.

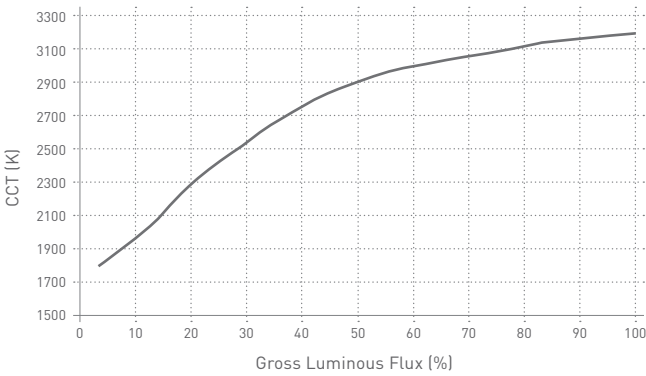
100%
GROSS FLUX
OF THE LED

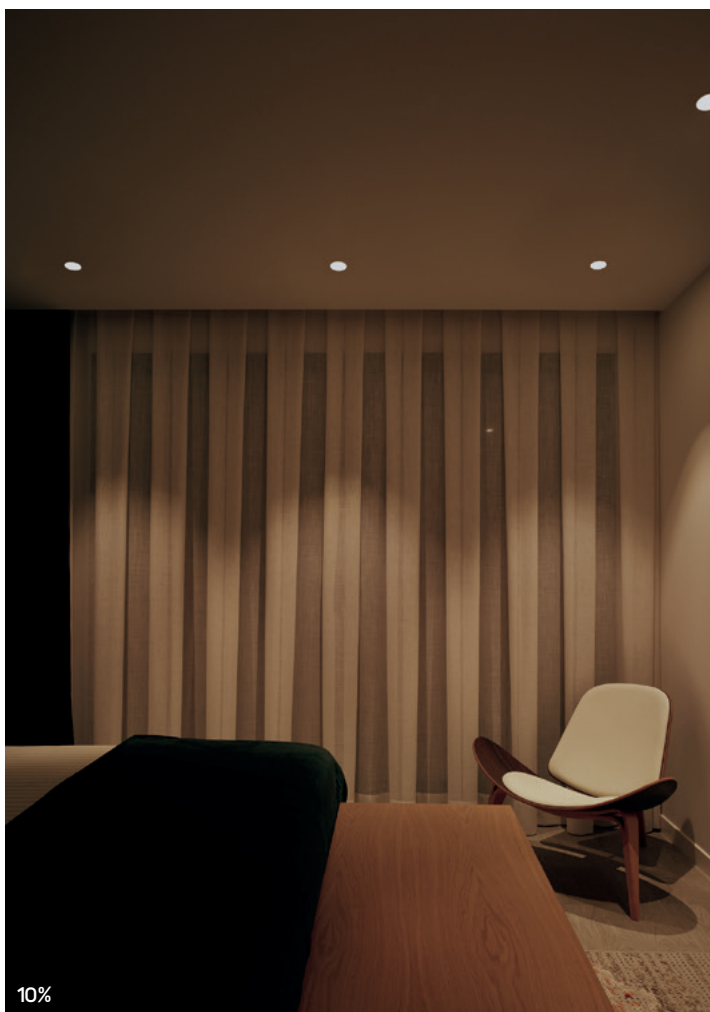
90%
EFFECTIVE FLUX
OF THE LUMINAIRE





DIM TO WARM CCT VS. GROSS LUMINOUS FLUX





SWAP DIM TO WARM

The DIM to Warm tuning technology is a method for synchronized modulation of light intensity and colour temperature.

Within the CCT limits of this lighting fixture, it provides the coldest temperature at 100% of its luminous flux.

As the intensity fades, the luminaire changes the color temperature to more pleasing values. When the setting reaches the minimum luminous flux, the luminaire is able to provide the warmest colour temperature.

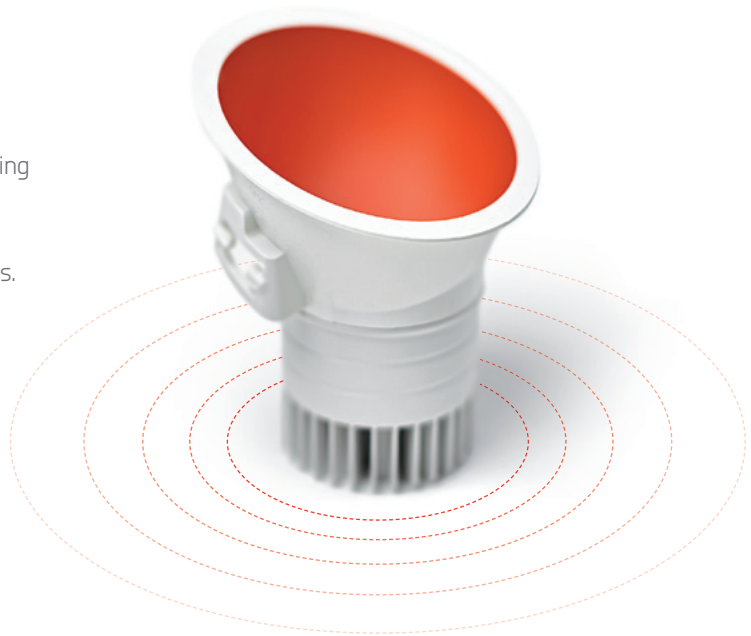
This effect is similar to the behaviour of the traditional halogen bulbs when submitted to intensity variations.

Highly appreciated in domestic environments, hotels, etc ... the DIM to Warm effect is the answer to the link that the colour temperature and the amount of light have with the comfort and well-being of the people. For those moments of the day in which activity starts and high biorhythms are required, a cold and abundant light is adequate. On the contrary, when the activity decreases and it is time to relax, a soft temperature and a strictly necessary amount of light are the desired characteristics.

THERMAL MANAGEMENT AND RELIABILITY. LONG-LIFE TO SWAP

Swap has a compact highly efficient dissipator that allows it to be installed in ceilings with very small recess-mounting heights. This compact dissipator can also manage the temperature of your LED to always keep it within the optimal working range. This prevents the light source from overheating, maximising the working life of the LED.

Thus, the Swap LED offers a working life expectancy of more than 60,000 hours, one of the best on the market. Moreover, even after that time, it will continue working, as the working life means that, after those hours of operation, the luminous flux will have dropped by 20% at the most. Guaranteed for 90% of the appliances.



WORKING LIFE PREDICTION

>60.000 h. L80 B10

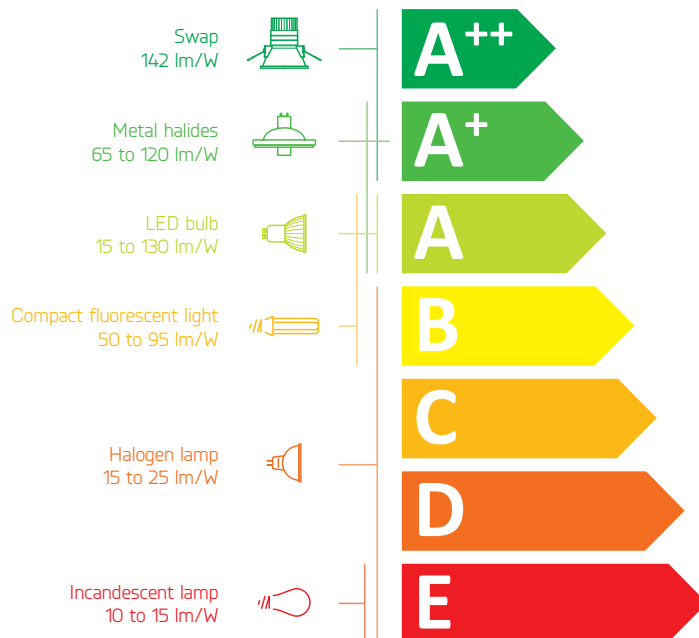
Working hours

It will maintain at least 80% of the luminous flux for more than 60,000 hours.

90% of the units will satisfy the predicted working life. The luminous flux will only drop by more than 20% in 1 out of every 10 units (maximum) before the 60,000 hours.

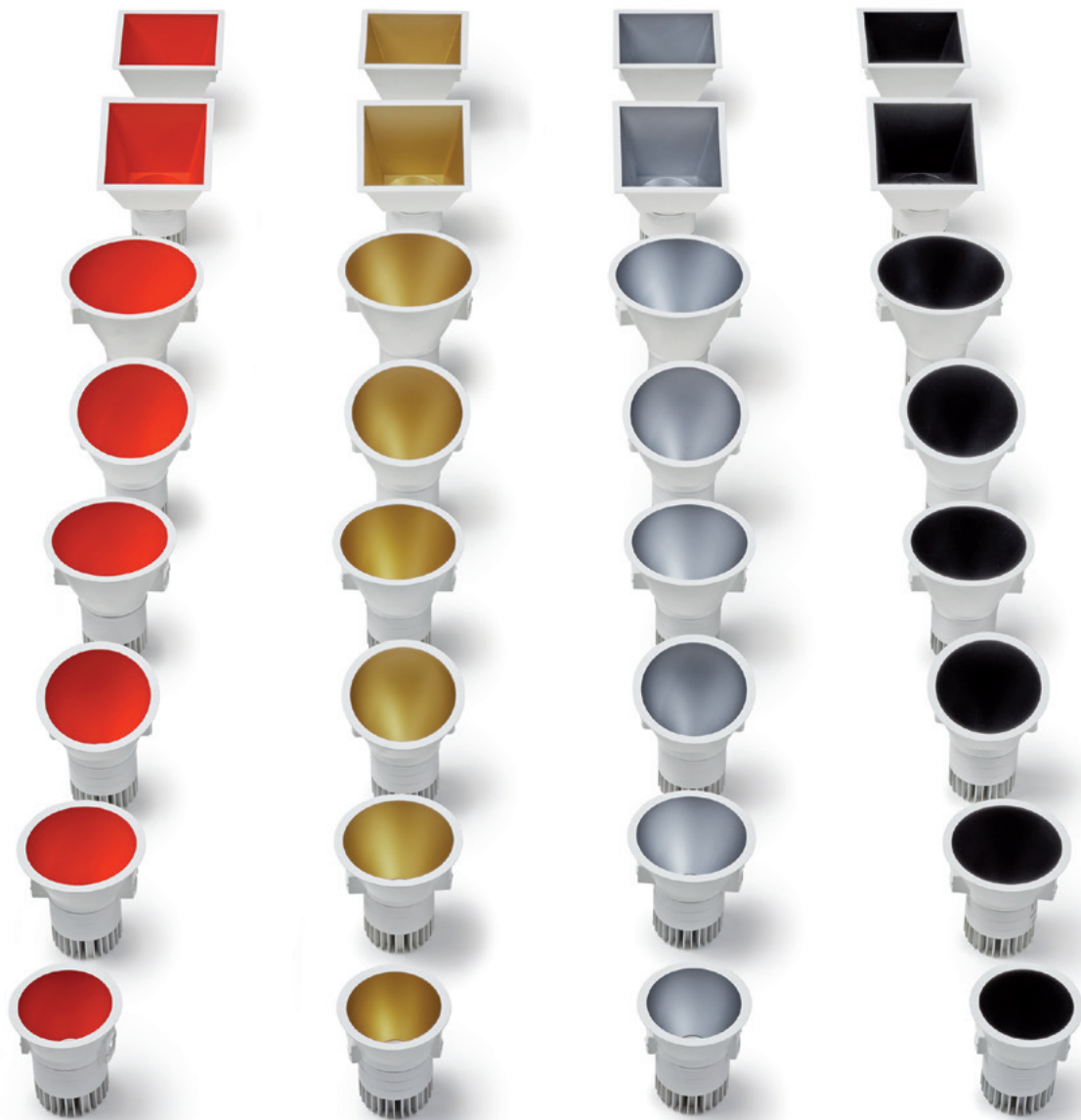
MAXIMUM PERFORMANCE AND ENERGY SAVING FINALLY GO HAND IN HAND

The latest generation LED technology of SWAP makes it one of the most modern and efficient luminaires on the market. Its light source is able to generate up to 142 lumens of gross luminous flux for every watt consumed. Compared with the normal performance of a LED bulb, or with any of the traditional light sources, Swap scores way above all of them, both in efficacy (up to 142 lm/W) and in energy efficiency (up to A++).



DECORATIVE SHADE

With absolutely no shadows and an elegant matt finish to enhance visual comfort. Colour finishes, which light up when the piece is turned out, with practically no luminous efficacy loss.





IP 54-RATED WEATHER RESISTANCE

To make the difference, Swap IP54 reaches a high sealing level, maintaining at the same time the same aesthetics as a standard Swap. The insulating property is obtained thanks to a protection placed just over the LED, and a silicone joint on the internal part of the bezel. In this way, the external aspect of Swap IP54 is identical to any other Swap IP20.

Swap offers the possibility of requesting any of its models with IP54-rated weather resistance, which converts it into an optimal luminaire to be installed in atmospheres where the product may suffer from the impact of water or frequent presence of humidity.

Level IP54 guarantees that Swap is able to prevent the ingress of any dust particle that might prevent its normal operation and that it is also able to prevent the filtration of water, projected from any angle, when subject to a flow volume of 10 litres per minute (at a pressure of 80–100 kN/m²) for at least 5 minutes.

The IP protection grading specifies the different protection levels afforded by the enclosures that protect the components of electrical or electronic equipment. The higher the IP protection grade, the more protected is the equipment.

An IPXY protection grade indicates the following:

X – Describes the protection level against dust and other particles.

0: No protection.

1: 50 mm particles cannot ingress.

2: 12.5mm particles cannot ingress.

3: 2.5mm particles cannot ingress.

4: 1mm particles cannot ingress.

5: Protection against ingress of dust.

Y – Describes the protection level against liquids. The maximum Y value is 8.

0: No protection.

1: Protection against dripping water.

2: Protection against dripping water, in more demanding test conditions.

3: Protection against spraying water.

4: Protection against water jets.

5: Protection against water jets, in more demanding test conditions.

6: Protection against more powerful water jets.

7: Full immersion in water.

8: Full continuous immersion in water.





REDDOT DESIGN AWARD WINNER 2015

Swap has won the Red Dot Design Award. This design award is one of the most important and long-lived in the world. It has been granted since 1955 to reward the best products created by designers and manufacturers anywhere on the planet. Its international prestige makes it one of the most famous acknowledgements that a product, from any sector, can obtain, due to its design and quality.

The organisation of the Red Dot Design Award (carried out by Design Zentrum Nordrhein Westfalen) calls international specialists from many different design areas to form part of the jury for these awards. This group of renowned experts meets in Germany for 4 days to assess the samples of the candidate products in situ and choose the best from out of thousands of participants from all the continents.

Those selected receive their award at an annual gala of the Red Dot Design Awards and form part of the temporary exhibition that the Red Dot museum exhibits every year in Essen (Germany).

The winning products of the Red Dot Design Award obtain the right to promote themselves with the Red Dot label throughout their entire commercial lifecycle, as a mark and guarantee of it being an excellent product from the design and quality perspective.



reddot design award
winner 2015

GERMAN DESIGN AWARD NOMINEE 2016

Swap has been selected as German Design Award Nominee 2016. This award recognises the excellent design of this luminaire, endorsing its reputation and commercial success. The German Design Awards are only granted to products that represent a significant contribution to the world design scene. The prestigious international jury that assesses the hundreds of candidates guarantees this. The German Design Award is a compendium of the latest and most outstanding tendencies in the creation of new products, a show where the cutting-edge of the design world competes.

The German Design Council, the institution that watches over the promotion of design in Germany, is in charge of organising these awards. This entity was founded by a Bundestag (low chamber of Germany) mandate in 1953. Since then, it has been responsible for supporting and fostering the creation of added value in industry through design. Based on its work of more than 60 years, the German Design Council is one of the most important design promotion centres in the world. Its network of members includes the most outstanding design associations of reference all over the world.

GERMAN
DESIGN
AWARD
NOMINEE
2016



ENEC CERTIFICATE

Swap has been certified with the ENEC mark. This mark guarantees that the product satisfies the most demanding standards of the European directives on electrical safety. Unlike EC marking, whose declaration depends on the manufacturer and includes less strict requirements, ENEC is a mark granted by external independent certified laboratories that have nothing to do with Arkoslight, which have demanded from Swap the highest safety requirements of industry.





PATENTED MODEL

Arkoslight has patented the unique design and functionality of Swap, to protect an innovative and cutting-edge product, without match among the other technical lighting manufacturers. Enjoy the exclusiveness of a unique product.



Patented Model

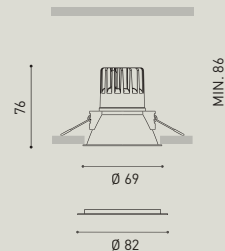


Swap[®]

TECHNICAL
SPECIFICATIONS

Swap. S

									W	K	mA	Lm	%Eff
SWAP S CRI>90	A212-11-10-	W	R	G	Z	WN	N	W54	5W	2700K	150	675	86%
	A212-11-11-	W	R	G	Z	WN	N	W54	5W	3000K	150	700	86%
	A212-11-12-	W	R	G	Z	WN	N	W54	5W	4000K	150	710	86%
SWAP S CRI>90	A212-12-10-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%
	A212-12-11-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%
	A212-12-12-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
	A212-12-20-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%
	A212-12-21-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%
	A212-12-22-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
	A212-12-30-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%
	A212-12-31-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%
	A212-12-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
	A212-12-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
SWAP S Super CRI CRI>97	A312-12-10-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
	A312-12-11-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
	A312-12-12-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%
	A312-12-20-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
	A312-12-21-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
	A312-12-22-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%
	A312-12-30-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
	A312-12-31-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
	A312-12-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%
	A312-12-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%



SWAP S DIM to warm CRI>90	A212-13-29-	W	R	G	Z	WN	N	W54	6W	3000-1800K	350	640	80%
	A212-13-39-	W	R	G	Z	WN	N	W54	6W	3000-1800K	350	640	80%



Swap IP54*

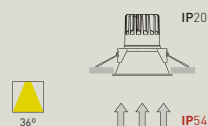
AFFECTS THE LIGHTING PARAMETERS.

		%Eff
W54	DIRECT REFERENCE	81%
	DIM TO WARM W54	76%

OTHER COLOURS REFERENCE + IP54 ACCESSORY

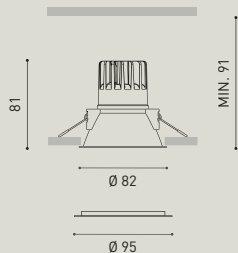
IP54 ACCESSORY S A212-10-54

PRE-ASSEMBLED. NOT SOLD SEPARATELY.

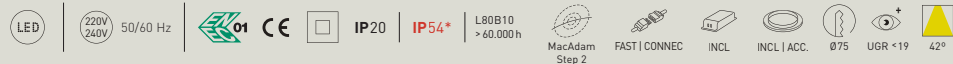


** OTHER DIM, PLEASE CONSULT | COLOURS MAY AFFECT THE LIGHTING PAREMETERS

& FAST 220-230 V » PLEASE CONSULT



										W	K	mA	Lm	%Eff
SWAP M CRI>90	A212-21-10-	W	R	G	Z	WN	N	W54		5W	2700K	150	675	86%
	A212-21-11-	W	R	G	Z	WN	N	W54		5W	3000K	150	700	86%
	A212-21-12-	W	R	G	Z	WN	N	W54		5W	4000K	150	710	86%
SWAP M CRI>90	A212-22-10-	W	R	G	Z	WN	N	W54		7W	2700K	200	910	86%
	A212-22-11-	W	R	G	Z	WN	N	W54		7W	3000K	200	940	86%
	A212-22-12-	W	R	G	Z	WN	N	W54		7W	4000K	200	960	86%
	A212-22-20-	W	R	G	Z	WN	N	W54		7W	2700K	200	910	86%
	A212-22-21-	W	R	G	Z	WN	N	W54		7W	3000K	200	940	86%
	PHASE CUT**	A212-22-22-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
		A212-22-30-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%
		A212-22-31-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%
	DALI PUSH**	A212-22-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
		A312-22-10-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
SWAP M Super CRI CRI>97	A312-22-11-	W	R	G	Z	WN	N	W54		7W	3000K	200	800	86%
	A312-22-12-	W	R	G	Z	WN	N	W54		7W	4000K	200	820	86%
	A312-22-20-	W	R	G	Z	WN	N	W54		7W	2700K	200	770	86%
	A312-22-21-	W	R	G	Z	WN	N	W54		7W	3000K	200	800	86%
	PHASE CUT**	A312-22-22-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%
		A312-22-30-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
		A312-22-31-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
	DALI PUSH**	A312-22-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%



SWAP M DIM to warm CRI>90	PHASE CUT**	A212-23-29-	W	R	G	Z	WN	N	W54	6W	3000-1800K	350	640	80%
	DALI PUSH**	A212-23-39-	W	R	G	Z	WN	N	W54	6W	3000-1800K	350	640	80%

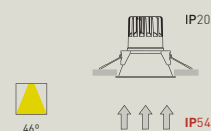


Swap IP54*

AFFECTS THE LIGHTING PARAMETERS.

		%Eff
W54	DIRECT REFERENCE	81%
	DIM TO WARM W54	76%
OTHER COLOURS	REFERENCE + IP54 ACCESSORY	
IP54 ACCESSORY M	A212-20-54	

PRE-ASSEMBLED. NOT SOLD SEPARATELY.



Swap Flat Spring Accessory

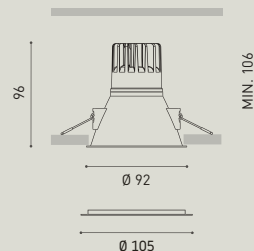
FLAT SPRING ACCESSORY M	A212-00-00
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** OTHER DIM, PLEASE CONSULT | COLOURS MAY AFFECT THE LIGHTING PAREMETERS

FAST & 220-230 V » PLEASE CONSULT

									W	K	mA	Lm	%Eff
SWAP L CRI>90	A212-31-10-	W	R	G	Z	WN	N	W54	5W	2700K	150	675	86%
	A212-31-11-	W	R	G	Z	WN	N	W54	5W	3000K	150	700	86%
	A212-31-12-	W	R	G	Z	WN	N	W54	5W	4000K	150	710	86%
SWAP L CRI>90	A212-32-10-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%
	A212-32-11-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%
	A212-32-12-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
	A212-32-20-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%
	A212-32-21-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%
	A212-32-22-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
	A212-32-30-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%
	A212-32-31-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%
	A212-32-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
	A212-32-10-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
SWAP L Super CRI CRI>97	A312-32-11-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
	A312-32-12-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%
	A312-32-20-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
	A312-32-21-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
	A312-32-22-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%
	A312-32-30-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
	A312-32-31-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
	A312-32-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%
	A312-32-10-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
	A312-32-11-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%



SWAP L DIM to warm CRI>90	A212-33-29-	W	R	G	Z	WN	N	W54	6W	3000-1800K	350	640	80%
	A212-33-39-	W	R	G	Z	WN	N	W54	6W	3000-1800K	350	640	80%

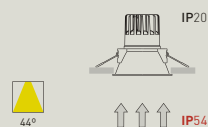


Swap IP54*

AFFECTS THE LIGHTING PARAMETERS.

		%Eff
W54	DIRECT REFERENCE	81%
	DIM TO WARM W54	76%
OTHER COLOURS	REFERENCE + IP54 ACCESSORY	
IP54 ACCESSORY L	A212-30-54	

PRE-ASSEMBLED. NOT SOLD SEPARATELY.



Swap Flat Spring Accessory

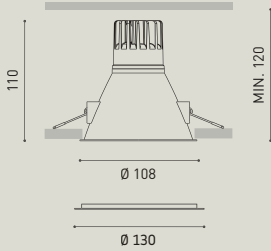
FLAT SPRING ACCESSORY L	A212-00-00
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** OTHER DIM, PLEASE CONSULT | COLOURS MAY AFFECT THE LIGHTING PAREMETERS

& FAST 220-230 V » PLEASE CONSULT

Swap XL



									W	K	mA	Lm	%Eff	
SWAP XL CRI>90	A212-41-10-	W	R	G	Z	WN	N	W54	5W	2700K	150	675	86%	
	A212-41-11-	W	R	G	Z	WN	N	W54	5W	3000K	150	700	86%	
	A212-41-12-	W	R	G	Z	WN	N	W54	5W	4000K	150	710	86%	
SWAP XL CRI>90	A212-42-10-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%	
	A212-42-11-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%	
	A212-42-12-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%	
	 PHASE CUT**	A212-42-20-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%
		A212-42-21-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%
		A212-42-22-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
	 DALI PUSH**	A212-42-30-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%
		A212-42-31-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%
		A212-42-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
	SWAP XL Super CRI CRI>97	A312-42-10-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
		A312-42-11-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
		A312-42-12-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%
 PHASE CUT**		A312-42-20-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
		A312-42-21-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
		A312-42-22-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%
 DALI PUSH**		A312-42-30-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
		A312-42-31-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
	A312-42-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%	



SWAP XL DIM to warm CRI>90	PHASE CUT**	A212-43-29-	W	R	G	Z	WN	N	W54	6W	3000-1800K	350	640	80%
	DALI PUSH**	A212-43-39-	W	R	G	Z	WN	N	W54	6W	3000-1800K	350	640	80%

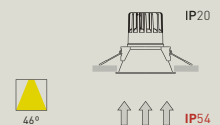


Swap IP54*

AFFECTS THE LIGHTING PARAMETERS.

		%Eff
W54 □	DIRECT REFERENCE	81%
	DIM TO WARM W54	76%
OTHER COLOURS	REFERENCE + IP54 ACCESSORY	
IP54 ACCESSORY XL	A212-40-54	

PRE-ASSEMBLED. NOT SOLD SEPARATELY.



Swap Flat Spring Accessory

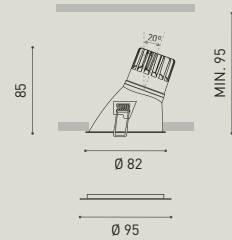
FLAT SPRING ACCESSORY XL	A212-00-00
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** OTHER DIM, PLEASE CONSULT | COLOURS MAY AFFECT THE LIGHTING PARAMETERS

FAST & 220-230 V » PLEASE CONSULT

									W	K	mA	Lm	%Eff
SWAP M Asymmetric CRI>90	A216-21-10-	W R G Z WN N W54	5W	2700K	150	675	86%						
	A216-21-11-	W R G Z WN N W54	5W	3000K	150	700	86%						
	A216-21-12-	W R G Z WN N W54	5W	4000K	150	710	86%						
SWAP M Asymmetric CRI>90	A216-22-10-	W R G Z WN N W54	7W	2700K	200	910	86%						
	A216-22-11-	W R G Z WN N W54	7W	3000K	200	940	86%						
	A216-22-12-	W R G Z WN N W54	7W	4000K	200	960	86%						
	 PHASE CUT**	A216-22-20-	W R G Z WN N W54	7W	2700K	200	910	86%					
		A216-22-21-	W R G Z WN N W54	7W	3000K	200	940	86%					
		A216-22-22-	W R G Z WN N W54	7W	4000K	200	960	86%					
	 DALI PUSH**	A216-22-30-	W R G Z WN N W54	7W	2700K	200	910	86%					
		A216-22-31-	W R G Z WN N W54	7W	3000K	200	940	86%					
		A216-22-32-	W R G Z WN N W54	7W	4000K	200	960	86%					
	SWAP M Asymmetric Super CRI CRI>97	A316-22-10-	W R G Z WN N W54	7W	2700K	200	770	86%					
		A316-22-11-	W R G Z WN N W54	7W	3000K	200	800	86%					
		A316-22-12-	W R G Z WN N W54	7W	4000K	200	820	86%					
 PHASE CUT**		A316-22-20-	W R G Z WN N W54	7W	2700K	200	770	86%					
		A316-22-21-	W R G Z WN N W54	7W	3000K	200	800	86%					
		A316-22-22-	W R G Z WN N W54	7W	4000K	200	820	86%					
 DALI PUSH**		A316-22-30-	W R G Z WN N W54	7W	2700K	200	770	86%					
		A316-22-31-	W R G Z WN N W54	7W	3000K	200	800	86%					
		A316-22-32-	W R G Z WN N W54	7W	4000K	200	820	86%					



SWAP M Asymmetric DIM to warm CRI>90	A216-23-29-	W R G Z WN N W54	6W	3000-1800K	350	640	80%
	A216-23-39-	W R G Z WN N W54	6W	3000-1800K	350	640	80%

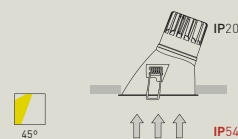


Swap IP54*

AFFECTS THE LIGHTING PARAMETERS.

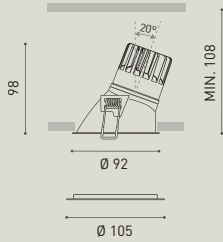
		%Eff
W54	DIRECT REFERENCE	81%
	DIM TO WARM W54	76%
OTHER COLOURS		REFERENCE + IP54 ACCESSORY
IP54 ACCESSORY M		A212-20-54

PRE-ASSEMBLED. NOT SOLD SEPARATELY.



Swap. L

Asymmetric



									W	K	mA	Lm	%Eff	
SWAP L Asymmetric CRI>90	A216-31-10-	W	R	G	Z	WN	N	W54	5W	2700K	150	675	86%	
	A216-31-11-	W	R	G	Z	WN	N	W54	5W	3000K	150	700	86%	
	A216-31-12-	W	R	G	Z	WN	N	W54	5W	4000K	150	710	86%	
SWAP L Asymmetric CRI>90	A216-32-10-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%	
	A216-32-11-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%	
	A216-32-12-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%	
	 PHASE CUT**	A216-32-20-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%
		A216-32-21-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%
		A216-32-22-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
	 DALI PUSH**	A216-32-30-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%
		A216-32-31-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%
		A216-32-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
	SWAP L Asymmetric Super CRI CRI>97	A316-32-10-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
		A316-32-11-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
		A316-32-12-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%
 PHASE CUT**		A316-32-20-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
		A316-32-21-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
		A316-32-22-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%
 DALI PUSH**		A316-32-30-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
		A316-32-31-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
		A316-32-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%



SWAP L Asymmetric DIM to warm CRI>90	PHASE CUT**	A216-33-29-	W	R	G	Z	WN	N	W54	6W	3000-1800K	350	640	80%
	DALI PUSH**	A216-33-39-	W	R	G	Z	WN	N	W54	6W	3000-1800K	350	640	80%

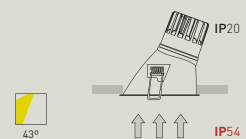


Swap IP54*

AFFECTS THE LIGHTING PARAMETERS.

		%Eff
W54	DIRECT REFERENCE	81%
	DIM TO WARM W54	76%
OTHER COLOURS		REFERENCE + IP54 ACCESSORY
IP54 ACCESSORY L		A212-30-54

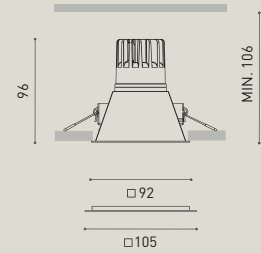
PRE-ASSEMBLED. NOT SOLD SEPARATELY.



** OTHER DIM, PLEASE CONSULT | COLOURS MAY AFFECT THE LIGHTING PAREMETERS

& FAST 220-230 V » PLEASE CONSULT

									W	K	mA	Lm	%Eff
SWAP Square CRI>90	A254-31-10-	W R G Z WN N W54	5W	2700K	150	675	90%						
	A254-31-11-	W R G Z WN N W54	5W	3000K	150	700	90%						
	A254-31-12-	W R G Z WN N W54	5W	4000K	150	710	90%						
SWAP Square CRI>90	A254-32-10-	W R G Z WN N W54	7W	2700K	200	910	90%						
	A254-32-11-	W R G Z WN N W54	7W	3000K	200	940	90%						
	A254-32-12-	W R G Z WN N W54	7W	4000K	200	960	90%						
	 PHASE CUT**	A254-32-20-	W R G Z WN N W54	7W	2700K	200	910	90%					
		A254-32-21-	W R G Z WN N W54	7W	3000K	200	940	90%					
		A254-32-22-	W R G Z WN N W54	7W	4000K	200	960	90%					
	 DALI PUSH**	A254-32-30-	W R G Z WN N W54	7W	2700K	200	910	90%					
		A254-32-31-	W R G Z WN N W54	7W	3000K	200	940	90%					
		A254-32-32-	W R G Z WN N W54	7W	4000K	200	960	90%					
	SWAP Square Super CRI CRI>97	A354-32-10-	W R G Z WN N W54	7W	2700K	200	770	90%					
		A354-32-11-	W R G Z WN N W54	7W	3000K	200	800	90%					
		A354-32-12-	W R G Z WN N W54	7W	4000K	200	820	90%					
 PHASE CUT**		A354-32-20-	W R G Z WN N W54	7W	2700K	200	770	90%					
		A354-32-21-	W R G Z WN N W54	7W	3000K	200	800	90%					
		A354-32-22-	W R G Z WN N W54	7W	4000K	200	820	90%					
 DALI PUSH**		A354-32-30-	W R G Z WN N W54	7W	2700K	200	770	90%					
		A354-32-31-	W R G Z WN N W54	7W	3000K	200	800	90%					
		A354-32-32-	W R G Z WN N W54	7W	4000K	200	820	90%					



SWAP Square DIM to warm CRI>90	A254-33-29-	W R G Z WN N W54	6W	3000-1800K	350	640	80%
	A254-33-39-	W R G Z WN N W54	6W	3000-1800K	350	640	80%

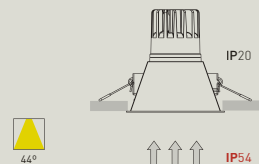


Swap IP54*

AFFECTS THE LIGHTING PARAMETERS.

		%Eff
W54	DIRECT REFERENCE	85%
	DIM TO WARM W54	76%
OTHER COLOURS	REFERENCE + IP54 ACCESSORY	
IP54 ACCESSORY Square	A245-30-54	

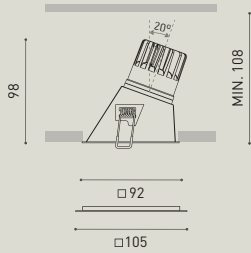
PRE-ASSEMBLED. NOT SOLD SEPARATELY.



** OTHER DIM, PLEASE CONSULT | COLOURS MAY AFFECT THE LIGHTING PAREMETERS

& FAST 220-230 V » PLEASE CONSULT

Swap. Square Asymmetric



									W	K	mA	Lm	%Eff	
SWAP Square Asymmetric CRI>90	A255-31-10-	W	R	G	Z	WN	N	W54	5W	2700K	150	675	86%	
	A255-31-11-	W	R	G	Z	WN	N	W54	5W	3000K	150	700	86%	
	A255-31-12-	W	R	G	Z	WN	N	W54	5W	4000K	150	710	86%	
SWAP Square Asymmetric CRI>90	A255-32-10-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%	
	A255-32-11-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%	
	A255-32-12-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%	
	 PHASE CUT**	A255-32-20-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%
		A255-32-21-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%
		A255-32-22-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
	 DALI PUSH**	A255-32-30-	W	R	G	Z	WN	N	W54	7W	2700K	200	910	86%
		A255-32-31-	W	R	G	Z	WN	N	W54	7W	3000K	200	940	86%
		A255-32-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	960	86%
	SWAP Square Asymmetric Super CRI CRI>97	A355-32-10-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
		A355-32-11-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
		A355-32-12-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%
 PHASE CUT**		A355-32-20-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
		A355-32-21-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
		A355-32-22-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%
 DALI PUSH**		A355-32-30-	W	R	G	Z	WN	N	W54	7W	2700K	200	770	86%
		A355-32-31-	W	R	G	Z	WN	N	W54	7W	3000K	200	800	86%
		A355-32-32-	W	R	G	Z	WN	N	W54	7W	4000K	200	820	86%



50/60 Hz



IP20

IP54*

L80B10 > 60.000 h



SWAP Square Asymmetric DIM to warm CRI>90	PHASE CUT**	A255-33-29-	W	R	G	Z	WN	N	W54	6W	3000-1800K	350	640	80%
	DALI PUSH**	A255-33-39-	W	R	G	Z	WN	N	W54	6W	3000-1800K	350	640	80%



50/60 Hz



IP20

IP54*

L80B20 > 55.000 h

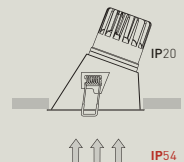


Swap IP54*

AFFECTS THE LIGHTING PARAMETERS.

		%Eff
W54	DIRECT REFERENCE	81%
	DIM TO WARM W54	76%
OTHER COLOURS REFERENCE + IP54 ACCESSORY		
IP54 ACCESSORY Square	A254-30-54	

PRE-ASSEMBLED. NOT SOLD SEPARATELY.



** OTHER DIM, PLEASE CONSULT | COLOURS MAY AFFECT THE LIGHTING PAREMETERS

FAST & 220-230 V » PLEASE CONSULT

Colours

Available finishes



W | Matt white



R | Red



G | Gold



Z | Aluminium



WN | White-Black



N | Matt black

SPECIAL THANKS

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ART MANAGEMENT

Estudio David Cercós · www.davidcercos.com

Glossary

K	Colour Temperature
Eff%	Efficiency
	Dimmable
	LED lamp
	Power supply voltage 220-240V
	ENEC certified
	CE marking
	Electrical isolation. Class II
IPXX	Sealing rating
	Chromatic stability: MacAdam Steps
	Fast connection
	Electronic equipment included
	Add-on bezel
	Fitting hole for recessed luminaires in mm
	UGR (Unified Glare Rating) Visual comfort
	Installation type and light beam direction
	Emergency lighting device
	Fast connection of the driver to the mains supply

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