



Dimensions



Accessories



IP65 ACCESSORY



ADD-ON BEZEL



FLAT SPRING ACCESSORY

Awards



reddot design award
winner 2015



Name	SWAP L 6W PH.CUT DIM TO WARM N
Reference	A212329N
Color	Matt black
RAL	9005
Category	CEILING RECESSED

PRODUCT

Type	LED
Gross luminous flux	640 lm
Colour temperature	Dim to warm 3000 - 1800 K
Chromatic stability	MacAdam Step 3
Colour Rendering Index	CRI>90
Power	6 W
Current	350 mA
Efficacy	107 lm/W
LED lifespan	L80B20 >55.000h

LIGHT SOURCE

Lighting efficiency	58%
Light beam angle	40°

LIGHTING FIXTURE | PHOTOMETRIC DATA

Driver	Included - Fast Connect
Power values of the system	7,63 W
Frequency	50/60 Hz
Dimming	Phase Cut - Other DIM, please consult
Electrical insulation class	□

LIGHTING FIXTURE | ELECTRICAL DATA

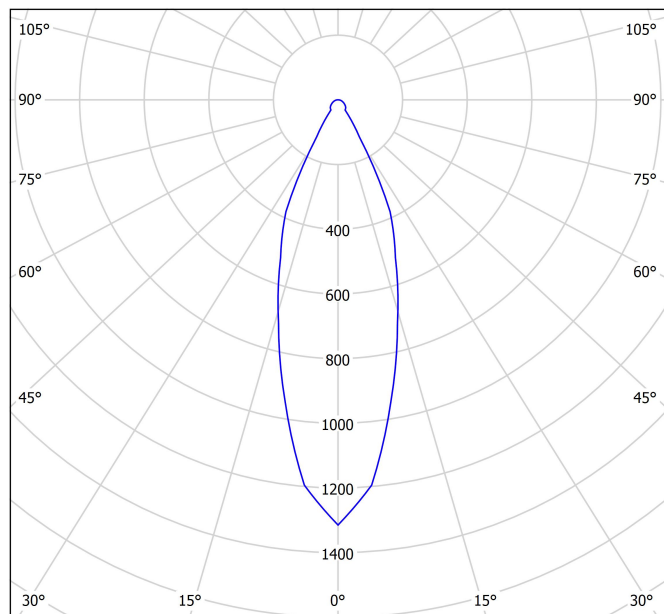
Sealing	IP20
Wireless control	Please Consult
Emergency power supply	Please Consult
Impact resistance	IK07
Recess measurements	Ø85 mm
Weight	245 g
Packaged weight	292,5 g
Packaging dimensions	147 x 132 x 134 mm
Units per package	1
Materials	Aluminium / Polycarbonate

OTHER DATA



Swap is a ceiling recessed LED spotlight whose main features are its minimalist aspect, its perfect integration into the ceiling, and considerable visual comfort, thanks to the small reflector that is set back with respect to the ceiling plane. When it is switched on, its matte finish shade generates an attractive effect, a discrete circle of light. It includes an add-on bezel that can be used optionally to cover larger recess diameters.

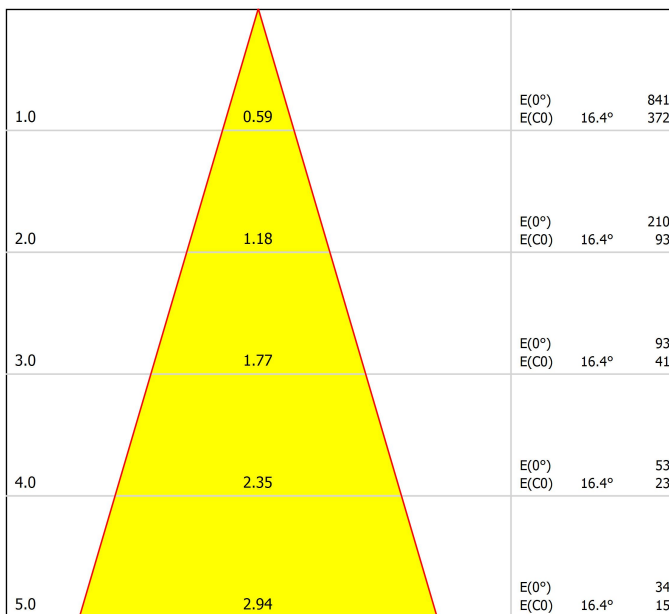
Polar diagram



cd/klm
— C0 - C180 — C90 - C270

$\eta = 58\%$

Conical diagram



Distance [m] Cone Diameter [m] Illuminance [lx]
— C0 - C180 (Half-value Angle: 32.8°)

UGR

Glare Evaluation According to UGR

p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	13.6	14.4	13.9	14.6	14.8	13.6	14.4	13.9	14.6	14.8
	3H	15.5	16.3	15.8	16.5	16.7	15.5	16.3	15.8	16.5	16.7
	4H	16.3	17.0	16.6	17.3	17.6	16.3	17.0	16.6	17.3	17.6
	6H	17.1	17.7	17.4	18.0	18.3	17.1	17.7	17.4	18.0	18.3
	8H	17.4	18.0	17.7	18.3	18.6	17.4	18.0	17.7	18.3	18.6
4H	12H	17.7	18.3	18.1	18.6	18.9	17.7	18.3	18.1	18.6	18.9
	2H	14.2	14.9	14.5	15.2	15.5	14.2	14.9	14.5	15.2	15.5
	3H	16.4	17.0	16.7	17.3	17.6	16.4	17.0	16.7	17.3	17.6
	4H	17.4	17.9	17.7	18.2	18.6	17.4	17.9	17.7	18.2	18.6
	6H	18.3	18.7	18.7	19.1	19.4	18.3	18.7	18.7	19.1	19.4
8H	8H	18.7	19.1	19.1	19.4	19.8	18.7	19.1	19.1	19.4	19.8
	12H	19.1	19.4	19.5	19.8	20.2	19.1	19.4	19.5	19.8	20.2
	4H	17.7	18.1	18.2	18.5	18.9	17.7	18.1	18.2	18.5	18.9
	6H	18.8	19.1	19.3	19.6	20.0	18.8	19.1	19.3	19.6	20.0
	8H	19.4	19.6	19.8	20.1	20.5	19.4	19.6	19.8	20.1	20.5
12H	12H	19.9	20.1	20.4	20.6	21.1	19.9	20.1	20.4	20.6	21.1
	4H	17.8	18.1	18.2	18.5	19.0	17.8	18.1	18.2	18.5	19.0
	6H	19.0	19.2	19.4	19.7	20.1	19.0	19.2	19.4	19.7	20.1
	8H	19.6	19.8	20.0	20.2	20.7	19.6	19.8	20.0	20.2	20.7
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.2 / -0.1					+0.2 / -0.1				
S = 1.5H		+0.4 / -0.3					+0.4 / -0.3				
S = 2.0H		+0.6 / -0.6					+0.6 / -0.6				
Standard table		BK07					BK07				
Correction Summand		1.9					1.9				
Corrected Glare Indices referring to 640lm Total Luminous Flux											



DRIVER

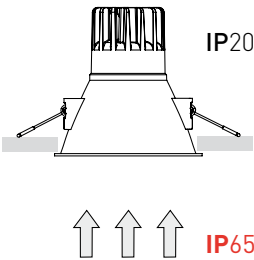
0000-84-24	DRIVER 10W 350mA PHASE CUT DTW
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PHASE CUT DIMMERS TESTED FOR COMPATIBILITY:

Brand / Manufacturer	Model number	Dimming Type
Niko	310-0190X	Trailing edge
Jung	LB-Management	Trailing edge
HZC Electric	AU-P3	Trailing edge
Philips	SED-200A	Trailing edge
Merten/Schneider	SBD315RC	Trailing edge
Etman	ETM327	Trailing edge
Etman	ETM329	Trailing edge
Casambi	CBU-TED	Trailing edge

THE PARTICULAR CONDITIONS OF EACH INSTALLATION AND THE SPECIFICATIONS AND CONDITIONS OF USE OF EACH REGULATOR, MAY DIFFER FROM THOSE CONSIDERED IN THE COMPATIBILITY TESTING, AND AFFECT ITS PERFORMANCE IN SAID INSTALLATION.

FOR MORE INFO, PLEASE CONSULT



PRODUCT	
Model	IP65 Accessory L
Reference	A2123065 W N
Category	Accessories
PRE-ASSEMBLED. NOT SOLD SEPARATELY. AFFECTS THE LIGHTING PARAMETERS.	
 44°	

Swap IP65 accessory

To make the difference, Swap IP65 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 IP65 is identical to any other Swap IP20.

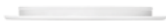


Model	Swap L Add-On Bezel
Colour	N ■ Matt black
Category	Accessories



85-89

+



89-101

PRODUCT

Add-on bezel

Accessory always included but for optional use.

It extends the piece's bezel to cover larger recesses, keeping Swap's minimalism and its perfect integration into the ceiling.

Easy to fit. Ideal for reforms to replace the light spot, with the already existing holes, without altering the ceiling or repainting. Swap is the best option for updating to LED technology by means of a real light fixture with incorporated LED, in contrast to just a retrofit lamp that only implies a less efficient update of the light source.



PRODUCT	
Model	Swap L Flat Spring
Reference	A2120000
Category	Accessories

Flat spring accessory

The springs “Flat Spring” is an accessory that replaces the fixing clamp system for recessed installations in cement ceilings. With Swap XL, L and M versions, the customer will receive a mounting kit wich will allow him to change the fixing clamps for the new system.



Fuente de luz (LED) reemplazable por un profesional autorizado

Replaceable (LED only) light source by an authorized professional.

Source lumineuse (LED) remplaçable par un professionnel agréé

Sorgente luminosa (LED) sostituibile da parte di un professionista autorizzato

Austauschbare (LED) Lichtquelle durch einen autorisierten Fachmann



Equipo de control reemplazable por un profesional autorizado

Replaceable control gear by an authorized professional

Dispositif de commande remplaçable par un professionnel agréé

Alimentatore sostituibile da parte di un professionista autorizzato

Auswechselbares Betriebsgerät durch autorisierten Fachmann

Instrucciones para el final de vida y la eliminación de los componentes:

Instructions on end-of-life and component disposal:

Instructions pour la gestion des composants en fin de vie et leur mise au rebut :

Istruzioni per il fine vita e lo smaltimento dei componenti:

Anweisungen zur entsorgung der Leuchtenkomponenten:



Interrumpir la alimentación del aparato
Cut the power supply to the luminaire
Couper l'alimentation du luminaire
Interrompere l'alimentazione dell'apparecchio
Stromversorgung der Leuchte unterbrechen



Quitar la(s) fuente(s) de luz para el desecho
Remove light source(s) for disposal
Retirer la (les) source(s) lumineuse(s) pour l'élimination
Rimuovere la/le sorgente/e di luce per lo smaltimento
Lichtquelle(n) zur Entsorgung entfernen



Quitar la batería para el desecho
Remove the battery for decommissioning
Retirer la batterie pour sa mise au rebut
Rimuovere la batteria per la dismissione
Die Batterie ordnungsgemäß entsorgen



Quitar el equipo de control para el desecho
Remove control gear for disposal
Retirer le dispositif de commande pour l'élimination
Rimuovere l'alimentatore per lo smaltimento
Betriebsgerät zur Entsorgung ausbauen

Enviar los materiales a un centro de recogida RAEE
Send the materials to a WEEE collection centre
Envoyer les matériaux dans une déchetterie DEEE
Inviare i materiali ad un centro di raccolta RAEE
Die Materialien in einem WEEE-Zentrum entsorgen

