

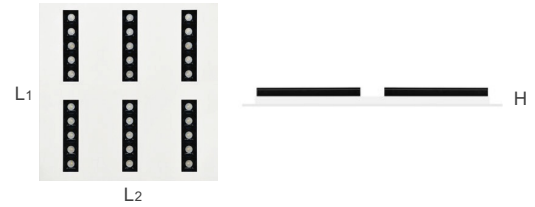
Dimensions

Product dimensions (mm)	L1595 x L2595
Height (mm)	H50
Weight (g)	3.750

Ceiling cutting dimensions (mm)	L3580 x L4580
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Schematic

Product drawings



FLATTY DARK RECESSED

DESCRIPTION

FLATTY LED luminaire product series have metal sheet body with electrostatic powder painted which allows wide application areas in lighting projects. It can also be selected as IP40 and IP44 protection rate upon request. FLATTY DARK LED provides homogeneous lighting with very low glare rate (UGR) and thanks to its well designed passive cooling system which ensures long LED and driver lifetime. FLATTY DARK LED is able to be controlled via DALI protocol and wirelessly control as optional. It is also possible to integrate emergency conversion modules as 1 hour or 3 hours backup time depends on project application field.

FLATTY DARK LED can be used in projects such as offices, hotels, retail stores, educational facilities, hospitals...etc.

Item code	PNL53
Application type	Indoor applications
Category	Recessed luminaires
Product family	FLATTY
Subcategory	FLATTY DARK
Material	Luminaire body made of 0,6mm metal sheet and aluminium frame injection body with 80 micron electrostatic powder paint.
Optical system	Cat1, Cat2 polycarbon reflector and optical lens technology.
Mounting options	Plasterboard, metal and other suspended ceilings.

Accessories

PB	Mounting brackets for plasterboard ceiling
MC11	Mounting brackets for metal ceiling

Optional

3HEM	3 hours emergency conversion module
OMP	Microprismatic lens
RMT	Wireless control module(BLE)
DT8	TunableWhite Lighting
HP40	IP40 protection class
HP44	IP44 protection class

Product	PNL53					
Real power (W)	32/43/48/53					
Real lumen output (Lm)	3300/4400/4950/5500					
Light output ratio LOR (%)	72%					
Efficacy (Lm/W)	103					
Beam angle (°)	60°					
Lifespan (h)	35000					
IP rate	IP20/40/44					
IK rate	IK05					
Isolation class	Class 2					
Photobiological risk group	RG0 (no risk)					
Diffuser/Optical constituent	Cat1, Cat2 optics					
Ambient operating temperature	-15°C , +35°C					
Electrical feeding	220..240VAC, 50/60Hz					
Body colour options (RAL)	<table border="1"> <tr> <td>9005</td> <td>9006</td> <td>7016</td> <td>9016</td> <td>+ any RAL</td> </tr> </table>	9005	9006	7016	9016	+ any RAL
9005	9006	7016	9016	+ any RAL		

Energy efficiency class	A+
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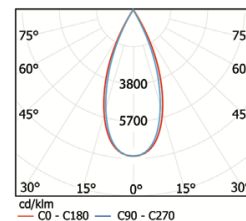
Driver/Power Supply

Driver included	Yes
Driver type	Electronic driver
Flicker free	Yes

Light source included	Yes
Light source type	LED
LED type	SMD/Power LED
Nominal power (W)	30/40/45/50
Total lumen (Lm)	4584/6111/6875/7639
CCT (K)	2700/3000/4000/5500/6500/TW
MacAdam (SDCM)	3
Colour rendering index (CRI, Ra)	>80

Photometry

Light distribution



PRODUCT SELECTION

ORDER CODE	POWER (W)	LUMEN (lm)	CCT (K)	CRI (Ra)	BODY FORM	BODY COLOUR	IP	MOUNTING	CONTROL TYPE	WXL (mm)	CUTOUT (mm)
PNL53.02.9.1.30R21SW	30W	3300	3000K	>80	SQUARE	WHITE	IP40	RECESSED	ON-OFF	595X595	50
PNL53.02.9.1.40R21SW	30W	3300	4000K	>80	SQUARE	WHITE	IP40	RECESSED	ON-OFF	595X595	50
PNL53.02.9.1.30R21DA	30W	3300	3000K	>80	SQUARE	WHITE	IP40	RECESSED	DALI	595X595	50
PNL53.02.9.1.40R21DA	30W	3300	4000K	>80	SQUARE	WHITE	IP40	RECESSED	DALI	595X595	50
PNL53.02.9.2.30R21SW	40W	4400	3000K	>80	SQUARE	WHITE	IP40	RECESSED	ON-OFF	595X595	50
PNL53.02.9.2.40R21SW	40W	4400	4000K	>80	SQUARE	WHITE	IP40	RECESSED	ON-OFF	595X595	50
PNL53.02.9.2.30R21DA	40W	4400	3000K	>80	SQUARE	WHITE	IP40	RECESSED	DALI	595X595	50
PNL53.02.9.2.40R21DA	40W	4400	4000K	>80	SQUARE	WHITE	IP40	RECESSED	DALI	595X595	50
PNL53.02.9.3.30R21SW	45W	4950	3000K	>80	SQUARE	WHITE	IP40	RECESSED	ON-OFF	595X595	50
PNL53.02.9.3.40R21SW	45W	4950	4000K	>80	SQUARE	WHITE	IP40	RECESSED	ON-OFF	595X595	50
PNL53.02.9.3.30R21DA	45W	4950	3000K	>80	SQUARE	WHITE	IP40	RECESSED	DALI	595X595	50
PNL53.02.9.3.40R21DA	45W	4950	4000K	>80	SQUARE	WHITE	IP40	RECESSED	DALI	595X595	50
PNL53.02.9.4.30R21SW	50W	5500	3000K	>80	SQUARE	WHITE	IP40	RECESSED	ON-OFF	595X595	50
PNL53.02.9.4.40R21SW	50W	5500	4000K	>80	SQUARE	WHITE	IP40	RECESSED	ON-OFF	595X595	50
PNL53.02.9.4.30R21DA	50W	5500	3000K	>80	SQUARE	WHITE	IP40	RECESSED	DALI	595X595	50
PNL53.02.9.4.40R21DA	50W	5500	4000K	>80	SQUARE	WHITE	IP40	RECESSED	DALI	595X595	50