FLATTY DS SURFACE LED PANEL

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, IP44 and IP54 protection rate upon request.
FLATTY LED provides homogeneous lighting with low glare and thanks to its well designed passive cooling system which ensures long LED and driver lifetime.
FLATTY LED is able to be controlled via DALI protocol and wirelessly control as optional. It is also possible to integrate emergecy conversion modules as 1 hour or 3 hours backup time depends on project application field.

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

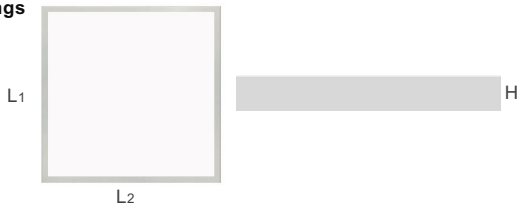
Item code	PNL52
Application type	Indoor applications
Category	Surface luminaires
Product family	FLATTY
Subcategory	FLATTY DS
Material	Luminaire body made of 0,6mm metal sheet and aluminium frame injection body with 80 micron electrostatic powder paint.
Optical system	Opal PMMA diffuser with low glare effect.
Mounting options	Surface mounted

Accessories	
STF1	Suspension tie-rod wire – 1 meter
ST01	Suspension steel wire with cable – 1 meter
Optional	
3HEM	3 hours emergency convertion module
OMP	Microprismatic lens
RMT	Wireless control module(BLE)
DT8	TunableWhite Lighting
HP40	IP40 protection class
HP44	IP44 protection class
HP54	IP54 protection class

Dimensions	
Product dimensions (mm)	**L**1370 x **L**2370
Height (mm)	**H**80
Weight (g)	2100

Schematic

Product drawings



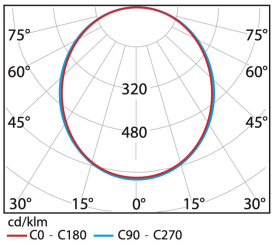
Product	PNL52
Real power (W)	21.5/32
Real lumen output (Lm)	2200/3300
Light output ratio LOR (%)	72%
Efficacy (Lm/W)	103
Beam angle (°)	114°
Lifespan (h)	35000
IP rate	IP20/40/44/54
IK rate	IK05
Isolation class	Class 1
Photobiological risc group	RG0 (no risk)
Diffuser/Optical constituent	Opal PMMA diffuser
Ambient operating temperature	-15°C , +35°C
Electrical feeding	220..240VAC, 50/60Hz
Body colour options (RAL)	9005 9006 7016 9016 + any RAL
Energy efficiency class	A+

Driver/Power Supply	
Driver included	Yes
Driver type	Electronic driver
Flicker free	Yes

Light source included	Yes
Light source type	LED
LED type	SMD
Nominal power (W)	20/30
Total lumen (Lm)	3055/4584
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)	H (mm)
PNL52.02.1.1.30S21SW	20W	2200	3000K	>80	SQUARE	WHITE	IP40	SURFACE	ON-OFF	370X370	80
PNL52.02.1.1.40S21SW	20W	2200	4000K	>80	SQUARE	WHITE	IP40	SURFACE	ON-OFF	370X370	80
PNL52.02.1.1.30S21DA	20W	2200	3000K	>80	SQUARE	WHITE	IP40	SURFACE	DALI	370X370	80
PNL52.02.1.1.40S21DA	20W	2200	4000K	>80	SQUARE	WHITE	IP40	SURFACE	DALI	370X370	80
PNL52.02.1.2.30S21SW	30W	3300	3000K	>80	SQUARE	WHITE	IP40	SURFACE	ON-OFF	370X370	80
PNL52.02.1.2.40S21SW	30W	3300	4000K	>80	SQUARE	WHITE	IP40	SURFACE	ON-OFF	370X370	80
PNL52.02.1.2.30S21DA	30W	3300	3000K	>80	SQUARE	WHITE	IP40	SURFACE	DALI	370X370	80
PNL52.02.1.2.40S21DA	30W	3300	4000K	>80	SQUARE	WHITE	IP40	SURFACE	DALI	370X370	80