



PowerBalance, surface mounted

SM461V LED28S/840 PSD W57L57

PowerBalance Surface-mounted, LED module, system flux 2800 lm, 840 neutral white, Power supply unit with DALI interface

When it comes to lighting an office space with LED luminaires, people are usually willing to invest in sustainability provided the investment pays back. At the same time, the system should comply with office lighting norms to ensure a comfortable working environment. PowerBalance is Philips' most energy-efficient office-norm-compliant LED luminaire. It more than halves energy costs compared to a T5 solution, and the light source has a longer lifetime. This results in significantly lower operational costs, ensuring a payback that meets the needs of the specification market. PowerBalance surface-mounted luminaires are easy to install on ceilings thanks to their intuitive mounting system. PowerBalance is also available in a recessed version.

Product data

General Information	
Lamp family code	LED28S [LED module, system flux 2800 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper
	"Evaluating performance of LED based
	luminaires - January 2018": statistically there
	is no relevant difference in lumen

	maintenance between B50 and for example
	B10. Therefore, the median useful life (B50)
	value also represents the B10 value.
Product family code	SM461V [PowerBalance Surface-mounted]
Lighting Technology	LED
Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	For mounting on normally flammable
	surfaces
CE mark	Yes
ENEC mark	ENEC plus mark

Datasheet, 2023, September 4 data subject to change

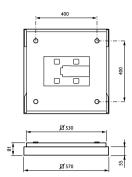
PowerBalance, surface mounted

EU RoHS compliant Embedded control Light Technical Luminous Flux 2,800 lm Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 137 lm/W Color rendering index (CRI) ≥80 Number of light sources 1 Beam angle of light source - degree(s) Light source color 840 neutral white Optic type - Luminaire light beam spread 120° Unified glare rating CEN 16 Operating and Electrical Input Voltage 220-240 V Line Frequency 50 to 60 Hz	
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Operating and Electrical Input Voltage 220-240 V	
Input Voltage 220-240 V	
Input Voltage 220-240 V	
Line Frequency 50 to 60 Hz	
Inrush current 48 A	
Inrush time 1 ms	
Power Consumption 20.5 W	
Power Factor (Fraction) 0.9	
Connection Push-in connector and pull relie	f
Cable -	
Number of products on MCB of 16 A type 20	
В	
Temperature	
Ambient temperature range +10 to +40 °C	
Controls and Dimming	
Dimmable Yes	
Driver/power unit/transformer Power supply unit with DALI inte	erface
Control interface DALI	
Constant light output No	
Mechanical and Housing	
Housing Material Steel	

Reflector material	Polycarbonate
Optic material	-
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	Matte
Overall length	570 mm
Overall width	570 mm
Overall height	85 mm
Dimensions (Height x Width x Depth)	85 x 570 x 570 mm
Approval and Application	
Ingress protection code	IP40 [Wire-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No
Product Data	
Order product name	SM461V LED28S/840 PSD W57L57
Full product name	SM461V LED28S/840 PSD W57L57
Full product code	871794310314000
Order code	910504091503
Material Nr. (12NC)	910504091503
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943103140
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943103140

PowerBalance, surface mounted

Dimensional drawing





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