PHILIPS Lighting



PowerBalance, surface mounted

SM461V LED34S/840 PSD W57L57

PowerBalance Surface-mounted, LED module, system flux 3400 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	LED34S [LED module, system flux 3400 lm]
Cap base	- [-]
Light source replaceable	No
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance
	paper 'Evaluating performance of LED based
	luminaires – January 2018': statistically there
	is no relevant difference in lumen

	maintenance between the B50 and, for
	example, the B10. Therefore, the median
	useful life (B50) value also represents the B10
	value.
Product family code	SM461V [PowerBalance Surface-mounted]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years

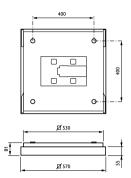
PowerBalance, surface mounted

Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC plus mark
Glow-wire test	Temperature 850 °C, duration 5 s
EU RoHS compliant	Yes
EU ROHS compliant	res
Light Tashnisal	
Light Technical	2.400 km
Luminous Flux	3,400 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	142 lm/W
Colour rendering index (CRI)	280
Beam angle of light source	- degree(s)
Light source colour	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
Inrush current	48 A
Inrush time	1 ms
Power Consumption	24 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
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 interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing material	Steel

Reflector material	Polycarbonate
Optic material	-
Optical cover/lens material	Polycarbonate
Fixation material	-
Housing Colour	White
Optical cover/lens 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	t)
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Suitable for random switching	No
Product Data	
Order product name	SM461V LED34S/840 PSD W57L57
Full product name	SM461V LED34S/840 PSD W57L57
Full EOC	871829127605000
Order code	27605000
Material no. (12 NC)	910504091403
SAP numerator - quantity per pack	1
EAN/UPC — Product/Case	8718291276050
Numerator – packs per outer box	1
EAN/UPC - Case	8718291276050
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PowerBalance, surface mounted

Dimensional drawing





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