



PowerBalance, surface mounted

SM461V LED40S/840 PSD W17L169 ACL

PowerBalance Surface-mounted, LED module, system flux 4000 lm, 840 neutral white, Power supply unit with DALI interface. ActiLume

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	LED40S [LED module, system flux 4000 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	ActiLume
CE mark	Yes
Warranty period	5 years

Datasheet, 2023, April 29 data subject to change

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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
Light Technical	
Luminous Flux	4,000 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	129 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	- degree(s)
Light source colour	840 neutral white
Optic type	-
Luminaire light beam spread	120°
Unified Glare Rating (CEN)	19
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	48 A
Inrush time	1 ms
Power Consumption	31 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 Optical cover/lens material Polycarbonate Fixation material - Housing Colour White Optical cover/lens finish Matte Overall length 1.685 mm Overall width 171 mm Overall height 85 mm Dimensions (height x width x depth) 85 x 171 x 1685 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 Yes Product Data Order product name SM461V LED40S/840 PSD W17L169 ACL Full product name SM461V LED40S/840 PSD W17L169 ACL Full EOC 871794310326300 Order code 10326300 Material no. (12 NC) 910504092703 SAP numerator - quantity per pack 1 EAN/UPC - Case 8717943103263 Numerator - packs per outer box 1 EAN/UPC - Case 8717943103263		
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Dimensional drawing



