# **PHILIPS** Lighting



# PowerBalance, surface mounted

## SM461V LED40S/830 PSD W17L169

PowerBalance Surface-mounted, LED module, system flux 4000 lm, 830 warm 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	LED40S [LED module, system flux 4000 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

#### PowerBalance, surface mounted

Warranty period	5 years
EU RoHS compliant	Yes
Embedded control	-
Light Technical	

Luminous Flux	4,000 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	125 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	- degree(s)
Light source color	830 warm white
Optic type	-
Luminaire light beam spread	120°
Unified glare rating CEN	19

Reflector material	Polycarbonate
Optic material	-
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover 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

+/-10%

(0.43, 0.40) SDCM <3

#### **Operating and Electrical** Input Voltage 220-240 V Line Frequency 50 to 60 Hz Inrush current 48 A Inrush time 1 ms **Power Consumption** 32 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable Number of products on MCB of 16 A type 20

B
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

Steel

#### Power consumption tolerance +/-10% **Application Conditions** Performance ambient temperature Tq 25 °C Maximum dim level 1% No Suitable for random switching **Product Data** SM461V LED40S/830 PSD W17L169 Order product name Full product name SM461V LED40S/830 PSD W17L169 Full product code 871794310386700 910504093703 Order code Material Nr. (12NC) 910504093703 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8717943103867

1

8717943103867

Initial Performance (IEC Compliant)

Luminous flux tolerance

Numerator - Packs per outer box

EAN/UPC - Case

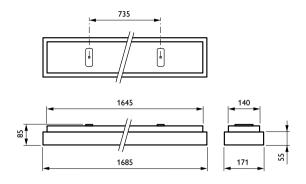
Initial chromaticity

Mechanical and Housing

Housing Material

### PowerBalance, surface mounted

#### Dimensional drawing





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