



PowerBalance, surface mounted

SM461V LED34S/840 POE W57L57 ACL

PowerBalance Surface-mounted, LED module, system flux 3400 lm, 840 neutral white, Luminaire controller with power over Ethernet. 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

LED34S [LED module, system flux 3400 lm]
- [-]
No
1 unit
Yes
*-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
Warranty period	5 years

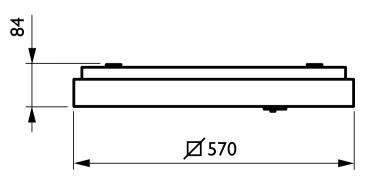
Datasheet, 2023, September 4 data subject to change

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EU RoHS compliant	Yes
Embedded control	ActiLume
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Light Technical	
Luminous Flux	3,400 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	139 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	51 to 54 V
Line Frequency	- Hz
Inrush current	48 A
Inrush time	1 ms
Power Consumption	24.5 W
Connection	Push-in connector and pull relief
Cable	
Number of products on MCB of 16 A	20
type B	
Temperature	
Ambient temperature range	+10 to +40 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Luminaire controller with power over Ethernet
Control interface	Power over Ethernet Plus
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	IKO2 [0.2 J standard]	
Protection class IEC	Safety class III	
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 LED34S/840 POE W57L57 ACL	
Full product name	SM461V LED34S/840 POE W57L57 ACL	
Full product code	871869906490700	
Order code	910504109103	
Material Nr. (12NC)	910504109103	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718699064907	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718699064907	

Dimensional drawing



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