



# PowerBalance surface-mounted – sustainable performance

## PowerBalance, surface mounted

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.

### Benefits

- Extremely efficient office-norm-compliant LED luminaire
- Good-quality lighting solution for direct replacement of T5 luminaires in most indoor applications
- Significantly reduces operational costs, resulting in an attractive payback time

### Features

- Easy and intuitive mounting system
- Advanced LED technology
- Available in different shapes and sizes
- Office norm-compliant

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## Application

- Offices
- Other indoor applications

## Specifications

Type	SM461V
Light source	Philips LED module PP
Power	Square version (W57L57), 4000 K
	- LED40S: 35 W
	- LED34S: 29 W
	- LED28S: 25 W
	Rectangular version (W17L169), 4000 K
	- LED40S: 38 W
Beam angle	90°
	Luminous flux
	2800, 3400 or 4000 lm (depending on configuration)
	Correlated Color
Temperature	3000 or 4000 K
	Color Rendering Index
Color Rendering Index	≥ 80
	Median useful life
L80B50	50,000 hours
	Median useful life
L90B50	25,000 hours
	Average ambient
temperature	+25 °C
	Operating temperature
range	+10 to +40 °C

Driver	Built-in
Mains voltage	220-240 V / 50 Hz
Dimming	DALI Dimmable (PSD)
	DALI Dimmable Touch and Dim (PSD-T)
Controls system input	DALI
Options	Emergency lighting (integrated): 1 hour (EL1) or 3 hours (EL3)
	Controls: Actilume (ACL)
Material	Housing: coated steel and plastic
	Rim: powder coated steel
	Optics: plastic
Color	White
Optic	Wide beam
Connection	Push-in connector with pull relief (PIP)
Maintenance	Optical module sealed for life; no internal cleaning required
Installation	Square version: individual; locking the luminaire into pre-mounted ceiling plate (delivered with the luminaire)
	Rectangular version: individual or in line; clicking the luminaire into pre-screwed ceiling brackets
	Through-wiring possible
Accessories	Dedicated suspension sets for square and rectangular versions

## Versions

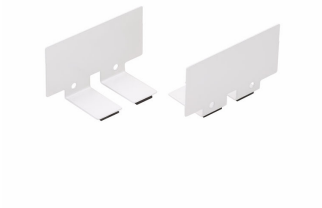
PowerBalance Surface-mounted  
SM461V luminaire, square version



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## Product details

Connection pieces for in-line mounting



Closing mechanism



Electrical connector



PowerBalance is easy to install thanks to the large opening in the top of the luminaire



Luminaire in mounting position on ceiling; suspension sets available for square and rectangular luminaires



PowerBalance, square shape, suspended



Suspension set for square shape has four wires that are connected to the four corners of the luminaire



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