



# PowerBalance Tunable White, recessed - Supporting a general feeling of health and well-being

## PowerBalance Tunable White, recessed

The right light can have a favorable effect on various physiological processes in the human body. Statistically, 65% of office workers feel short of their best before 9.00 hours. By giving them personal control over the lighting in their work space, so they can tailor it to suit the time of day and what they are doing, our PowerBalance Tunable White solution can enhance their comfort, task performance, and productivity. Similarly, in schools, PowerBalance Tunable White allows teachers to create the right mood to help pupils to concentrate, relax, etc., depending on the activity at hand, and so perform better overall.

### Benefits

- Combines performance with smart design
- Recreates the natural rhythm of daylight
- Gives office workers greater scope to control the lighting to suit the time of day and what they are doing

### Features

- Driver with two channels and LED boards offering different colors (2700 up to 6400 K) and different flux levels (2900 up to 7600 lm)
- Tunable White features with dedicated control system
- Predefined dynamic curves vary color temperature and intensity as a function of time

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## Application

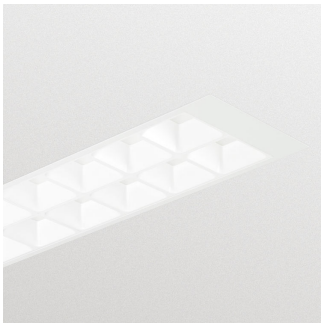
- Mid- and high-end office buildings
- Schools/universities

## Specifications

<b>Type</b>	RC464B (module size 600x600 mm versions) RC466B (module size 625x625 mm versions)
<b>Ceiling type</b>	Exposed T-bar ceiling
<b>Ceiling grid</b>	RC464B: module size in length: 600 mm RC466B: module size in length: 625 mm
<b>Light source</b>	Non-replaceable LED module
<b>Power</b>	28.5 to 69 W
<b>Beam angle</b>	120°
<b>Luminous flux</b>	2900 to 7600 lm
<b>Correlated Color</b>	2700-6400 K
<b>Temperature</b>	
<b>Color Rendering Index</b>	> 80
<b>Median useful life</b>	70,000 hours
<b>L70B50</b>	
<b>Median useful life</b>	50,000 hours
<b>L80B50</b>	
<b>Median useful life</b>	25,000 hours
<b>L90B50</b>	
<b>Driver failure rate</b>	1% per 5000 hours
<b>Average ambient temperature</b>	+25 °C

<b>Operating temperature range</b>	+10 to +40 °C
<b>Driver</b>	Built-in
<b>Mains voltage</b>	220-240 V / 50-60 Hz
<b>Dimming</b>	DALI
<b>Controls system input</b>	0-16 V
<b>Material</b>	Housing: coated steel and polycarbonate Rim: powder coated steel Optics: polycarbonate Reflector: polycarbonate Gear tray: steel
<b>Color</b>	White (WH, comparable to RAL 9003)
<b>Connection</b>	Push-in connector (PI) or with pull relief (PIP) Wieland/Adels push-in connector, 3-pole mains (and 2-pole control signal) (W)
<b>Maintenance</b>	Optical module sealed for file; no internal cleaning required
<b>Installation</b>	Lay-in in exposed ceiling grids; no brackets needed Through-wiring not possible

## Versions



PowerBalance recessed Tuneable  
WH - - - LED Module, system flux  
8000 lm



PowerBalance recessed Tuneable  
WH - - - LED Module, system flux  
8000 lm - Tunable white - Power  
supply unit with DALI interface -  
Width 0.30 m, length 1.20 m -  
Plaster ceiling version - - - - -  
Push-in connector and pull relief -  
- - - - -

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