



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

## PowerBalance Tunable White, recessed

The right light can have a favourable effect on various physiological processes in the human body. Statistically, 65% of office workers don't feel at their best before 9.00 a.m. 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 colours 2,700 up to 6,400 K and different flux levels.
- Tunable White features with dedicated control system
- Predefined dynamic curves vary colour temperature and intensity as a function of time

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## Application

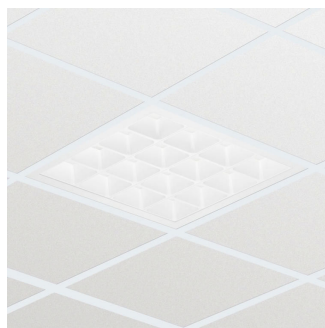
- Mid- and high-end office buildings
- Schools/universities

## 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 Colour Temperature</b>	2700-6400 K
<b>Colour Rendering Index</b>	> 80
<b>Lumen maintenance at median useful life*</b>	L90
<b>50,000 h</b>	
<b>Control gear failure rate at median useful life</b>	5%
<b>50,000 h</b>	
<b>Performance Ambient Temperature Tq</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>Control 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>Colour</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 life; no internal cleaning required
<b>Installation</b>	Lay-in in exposed ceiling grids; no brackets needed
	Through-wiring not possible

## Versions



PowerBalance Tunable White  
RC464B recessed luminaire,  
square version (module size 600)

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### Product details



PowerBalance Tunable White,  
recessed DP



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PowerBalance Tunable White,  
recessed RC464B W60L60 DP

