

# PHILIPS



## Recessed

Good lighting design addresses different aspects of light. Artificial lighting can play a significant role in improving the work environment by creating a relaxed or uplifting ambience. Recessed Lighting, with no glare, and no flicker, can deliver light that is clear and yet easy on the eyes.

 46	 48	 50	 52
 54	 56	 58	 60
 62	 64	 66	 68
 70	 72	 74	 76
 78			





# CoreLine Recessed

The clear choice for LED

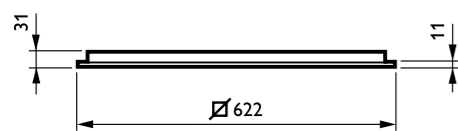
Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Recessed range of LED products can be used to replace functional luminaires in general lighting applications. The process of selecting, installing and maintaining is so easy – it's a simple switch.

## Features and Benefits

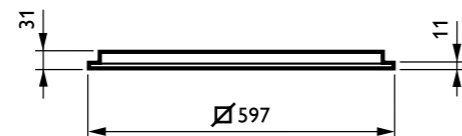
- Enables a simple switch from basic conventional luminaires to LED luminaires
- Energy savings of up to 45% compared to functional TL-D luminaires
- Slim design with a height of less than 35 mm
- Integrated LED technology
- Slim housing
- Surface-mounted version also available (also suitable for suspension)

## Product size

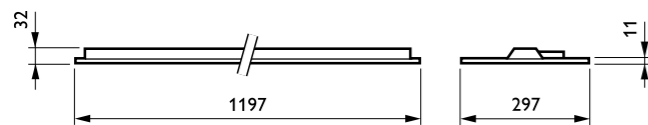
All dimensions in millimeters



CoreLine Recessed RC120B/RC122B



CoreLine Recessed RC120B/RC122B



CoreLine Recessed RC120B/RC122B

IP20/  
IP40

up to  
50K hrs

up to  
92  
lm/W

## Technical parameters

Type	RC120B (300 and 600 mm length version) RC122B (625 mm length version)
Ceiling type	Exposed T-bar ceiling
Ceiling grid	Module size in length: 300 mm Module size in length: 600 mm Module size in length: 625 mm
Light source	LED-module
Power (±10%)	LED37S version: 40.5 W LED27S version: 24.5 W
Luminous flux	LED37S version: 3700 lm LED27S version: 2700 lm
Correlated Color Temperature	3000 K 4000 K
Color Rendering Index	≥ 80
Median useful life L70B50	50,000 hours
Median useful life L80B50	30,000 hours
Median useful life L90B50	15,000 hours
Driver failure rate	1.0% per 5000 hours
Average ambient temperature	25 °C
Driver	Built-in
Mains voltage	220–240 V / 50–60 Hz
Dimming	DALI
Material	Housing: pre-painted steel
Color	White
Optical cover	VAR-PC PC-LIN-SAT
Connection	With pull relief
Installation	Individual; lay-in in exposed ceiling grids
Emergency	3 hours duration



# CoreLine Panel

The clear choice for LED

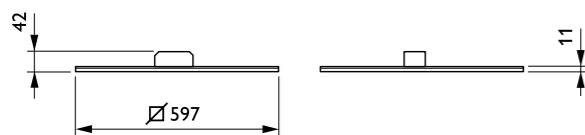
Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Panel range of LED products can be used to replace functional luminaires in general lighting applications. Both Non-Office Compliant (NOC) version and Office Compliant version (OC) are now available. The process of selecting, installing and maintaining is so easy – it's a simple switch.

### Features and Benefits

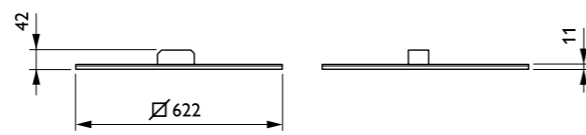
- Enables a simple switch from basic conventional luminaires to LED luminaires
- Energy savings of up to 40% compared to functional TL-D luminaires
- Uniform surface of light
- Integrated LED technology
- Slim square housing
- Choice of two color temperatures: 3000K and 4000K
- Non-Office Compliant (NOC) version and Office Compliant version (OC) available

### Product size

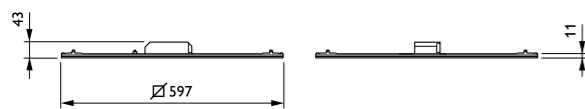
All dimensions in millimeters



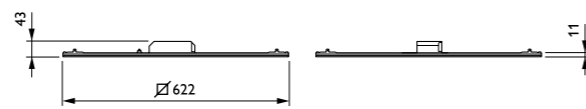
CoreLine Panel RC125B-RC128V



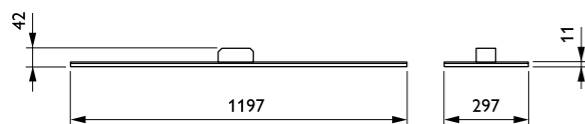
CoreLine Panel RC125B-RC128V



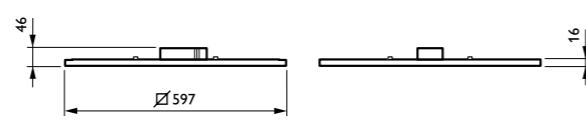
CoreLine Panel RC125B-RC128V



CoreLine Panel RC125B-RC128V



CoreLine Panel RC125B-RC128V



CoreLine Panel RC125B-RC128V



up to 50K hrs  
up to 83 lm/W

Technical parameters	
Type	RC125B (module size 600 mm version) RC126B (module size 625 mm version)
Ceiling type	Exposed T-bar ceiling
Ceiling grid	Module size in length: 600 mm Module size in length: 625 mm
Light source	Non-replaceable LED module
Power (±10%)	Standard version: 41 W NOC version: 42 W
Beam angle	Standard version: 110° NOC version: 120°
Luminous flux	3400 lm
Correlated Color Temperature	3000 K 4000 K
Color Rendering Index	> 80
Median useful life L70B50	50,000 hours
Median useful life L80B50	30,000 hours
Median useful life L90B50	15,000 hours
Driver failure rate	0.38% per 5000 hours
Average ambient temperature	25 °C
Driver	Built-in
Mains voltage	230 or 240 V / 50-60 Hz
Material	Housing: zinc-coated steel Rim and diffuser: plastic (aluminum rim for NOC versions) Optical cover: PMMA
Color	White
Connection	Push-in connector (PI) or with pull relief (PIP)
Maintenance	Optical module sealed for life; no internal cleaning required
Installation	Individual; lay-in in exposed ceiling grids No through-wiring possible
Remarks	Includes safety cable

Technical parameters	
Type	RC127V (module size 600 x 600 and 300 x 1200 mm versions) RC128V (module size 625 x 625 mm version)
Ceiling type	Exposed T-bar ceiling
Ceiling grid	Module size in length: 600 mm Module size in length: 625 mm Module size in length: 1200 mm
Light source	Non-replaceable LED module
Power	42 W
Beam angle	120°
Luminous flux	3400 lm
Correlated Color Temperature	3000 K 4000 K
Color Rendering Index	> 80
Median useful life L70B50	50,000 hours
Median useful life L80B50	30,000 hours
Median useful life L90B50	15,000 hours
Driver failure rate	0.38% per 5000 hours
Average ambient temperature	25 °C
Driver	Separate
Mains voltage	220-240 V / 50-60 Hz
Dimming	DALI
Material	Housing: steel Rim: aluminum Diffuser: polystyrene
Color	White (RAL 9016)
Connection	Push-in connector (PI) or with pull relief (PIP)
Maintenance	Optical module sealed for life; no internal cleaning required
Installation	Individual; lay-in in exposed ceiling grids No through-wiring possible
Remarks	Includes safety cable



# LED PANEL R-GRID350

Recessed “Laid-in” mounted LED commercial/residential luminaire

## Applications

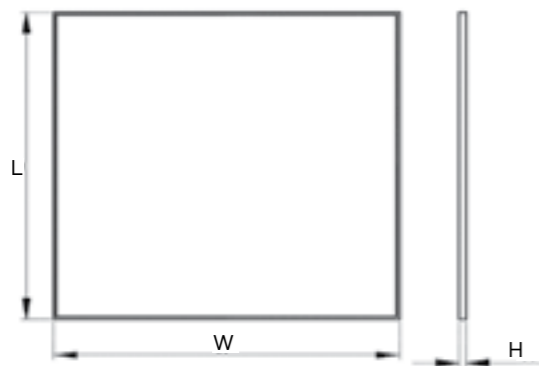
- Meeting room
- Office
- Hospital
- School
- Public area

## Features and Benefits

- 50% more energy efficient compared to conventional T5 solution
- Slim design preferred by lighting designer and specifier
- Deliver uniform and soft light with sufficient lumen output
- System efficiency 100lm/W
- Working Temp -10C to 35C
- High reliability, 50k hours (L70@25°C)
- 3H emergency available.

## Product size

All dimensions in millimeters



L	W	H
595	595	10
1125	295	10
595	1195	10



IP20/  
IP54

50Khrs

100  
lm/W

## Technical parameters

Type	R-Grid350
Ceiling Type	Metric ceiling.
Light Source	LED
Power	40W
Luminous Flux	4240lm
CRI	>80
CCT	NW 4000K , CW 6500K
Lifetime	50Khrs
IP	IP20, IP54
Voltage& Frequency	220-240V/50-60Hz
Dimming	No
Material	Housing : Aluminum
Emergency	3 hours duration
Color	Housing : White & Silver
Optics	Opal diffuser
Connection	Push in Connectors
Installation	Recessed & Suspended



# CoreView Panel

## Smooth surface of light

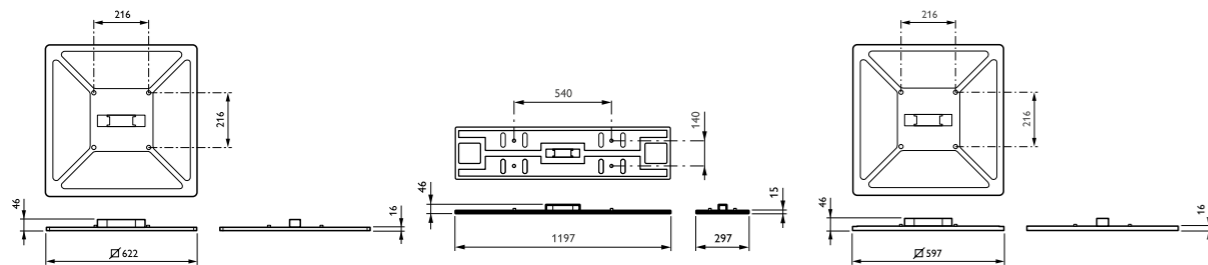
People appreciate indoor spaces that are easy on the eye and at the same time refreshing to the mind. This is especially relevant for spaces where you want to ensure a relaxing yet energizing atmosphere, e.g. in working environments, retail and healthcare. CoreView Panel is a LED-based luminaire with an innovative, slim shape that delivers a uniform surface of light – a truly attractive proposition. Suitable for recessed (lay-in only) and suspended mounting, the range offers a choice of sizes, color temperatures and DALI dimming. In addition, it comes with all the benefits of LED technology: it is, for example, long-lasting and energy-efficient. In short, CoreView Panel represents an excellent deal for those looking for pleasant and efficient lighting.

### Features and Benefits

- Pleasing surface of light
- Slim, attractive form factor
- Energy-efficient
- Uniform surface of light, thanks to advanced light guide technology
- Very slim panel height, thanks to side-lit LED lighting
- Low energy consumption, thanks to efficient LED technology
- Choice of sizes and two color temperatures
- Available with fixed or dimmable driver

### Product size

All dimensions in millimeters



CoreView Panel RC165V/RC166V

CoreView Panel RC165V/RC166V

CoreView Panel RC165V/RC166V

up to  
65K hrs

up to  
82  
lm/W

### Technical parameters

Type	RC165V (module size 600 mm version) RC166V (module size 625 mm version)
Ceiling type	Exposed T-bar ceiling
Ceiling grid	Module size in length: 600 mm Module size in length: 625 mm
Light source	Non-replaceable LED module
Power (±10%)	41 W
Beam angle	110°
Luminous flux	3400 lm
Correlated Color Temperature	3000 K 4000 K
Color Rendering Index	> 80
Median useful life L70B50	65,000 hours
Median useful life L80B50	40,000 hours
Median useful life L90B50	25,000 hours
Driver failure rate	0,38% per 5000 hours
Average ambient temperature	25 °C
Driver	Built-in
Dimming	DALI
Mains voltage	230 or 240 V / 50-60 Hz
Material	Housing: steel Rim and diffuser: plastic Optical cover: PMMA
Color	White
Connection	Push-in connector with pull relief (PIP)
Maintenance	Optical module sealed for life; no internal cleaning required
Installation	Exposed ceilings: in lay, no brackets needed Individual: suspended mounting with a set of four single steel-wire suspensions including a metal-like power cord, 150 cm and ceiling cap (SM4)
Remarks	Suspension kit including 4 individual steel cables with Reutlinger clutch device and ceiling cap available (to be ordered separately)



# GreenUp Troffer

The clear choice for LED

Philips GreenUp Troffer is a brand-new LED designed luminaire for office lighting. The 3D form factor of illuminating part is unique.

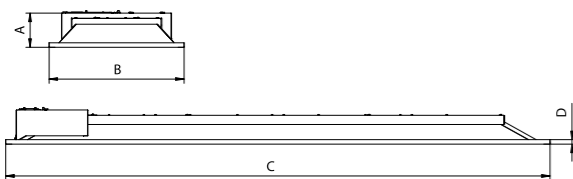
GreenUp Troffer offers four lumen options with high system efficacy, up to 95lm/W.

## Features and Benefits

- 50% more energy efficient compared to conventional T5 solution
- Visual comfort, uniform light with glare control
- Brand-new design for office light, unique look & feel with 3D form factors
- System efficiency up to 95lm/W
- CRI 80, SDCM 4
- High reliability, 50K hours (L70@25°C)

## Product size

All dimensions in millimeters



ProductID	A	B	C	D
RC320B LED26S W60L60	76	597	597	10
RC320B LED35S W60L60	76	597	597	10
RC320B LED26S W60L120	76	297	1197	10
RC320B LED35S W60L120	76	297	1197	10
RC320B LED52S W60L120	76	597	1197	10
RC320B LED70S W60L120	76	597	1197	10



50Khrs  
Up to  
96  
lm/W

## Technical parameters

Type	RC320B 26S / 35S / 52S / 70S
System lumen output	2600lm, 3500lm, 5500lm, 7000lm
Voltage	220-240V 50/60Hz
Power consumption	30W / 40W / 58W / 84W
Efficacy	83lm/W ~ 96lm/W
Power factor	0.9
LED driver	Fixed output / DALI
SDCM	4
CRI	80
Color temperature	4000K / 6500K
Materials and finishing	Housing: 0.6mm steel plate Optics: PC lens, high output rate Painting white
Lifetime	50,000 hours (70% lumen maintenance @ Ta = 25°C)
Working Temperature Range	0°C < Ta < 25°C
Mounting Type	Recessed
Emergency	3 hours duration
Dimension	60*60mm 30*120mm 60*120mm



# CoreView 3.0

Indirect LED office lighting for inspiring office

CoreView 3.0 keeps the design excellence of the last generation, CoreView2.5, with significant performance improvement. It offers two lumen options with high system efficacy and three dimension options inclusive of extended type, 600x1200mm.

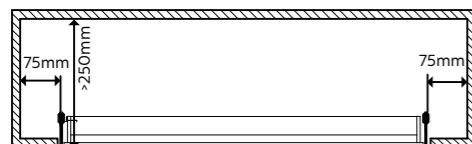
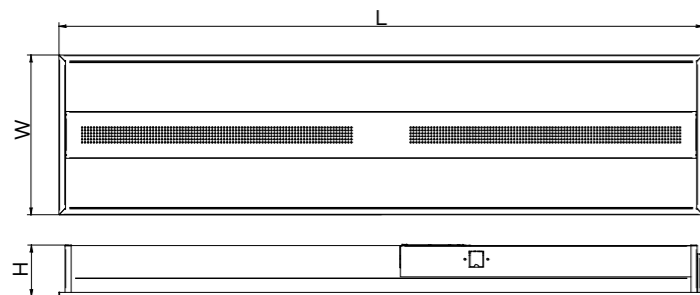
With brand new optical design, CoreView 3.0 delivers soft and comfortable light with LED light source invisible from users.

## Features and Benefits

- 60% more energy efficient compared to conventional TL Troffer
- Soft and uniform light delivery
- Simple design, elegant appearance
- System efficiency Typ.>100lm/W
- CRI >80, SDCM 4
- High reliability, 50k hours (L70@25°C)

## Product size

All dimensions in millimeters



ProductID	L	W	H
RC420B LED35S PSU W60L60	597	597	121
RC420B LED35S PSD W60L60	597	597	121
RC420B LED35S PSU W30L120	1197	297	96
RC420B LED35S PSD W30L120	1197	297	96
RC420B LED50S PSU W60L120	1197	597	121
RC420B LED50S PSD W60L120	1197	597	121

up to  
50K hrs

100  
lm/W

## Technical parameters

Product	CoreView 3.0		
Type	RC420B 600*600	RC420B 300*1200	RC420B 600*1200
Picture			
System output	Typ. 3600lm @4000K	Typ. 3600lm @4000K	Typ. 3600lm/ 5000lm @ 4000K
Wattage	36W	36W	36W / 50W
System Efficiency	100lm/W		
Color temperature (CCT)	WW(3000K), NW(4000K), CW(6500K)		
CRI	>= 80		
Voltage	220-240V, 50/60Hz		
SDCM	≤ 4		
Efficacy	>100lm/W		
Power factor	0.9		
LED driver	Fixed output / DALI		
IP rating	IP20		
Certifications	CB, EMC, CE, ASNZ		
Dimensions	RC420B 600*600 : 597 x 597 x 121mm RC420B 300*1200 : 297 x 1197 x 96mm RC420B 600*1200 : 597 x 1197 x 121mm		
Working Temperature Range	0°C < Ta < 40°C		
Lifetime	50,000 hrs @L70 B50 Ta 25°C		
Weight	RC420B 600*600 : 4.8KG RC420B 300*1200 : 4.7KG RC420B 600*1200 : 8.2KG		
Mounting Type	Recessed		



# LED6060-G3 Commercial

Recessed “Laid-in” mounted LED commercial/residential luminaire

## Applications

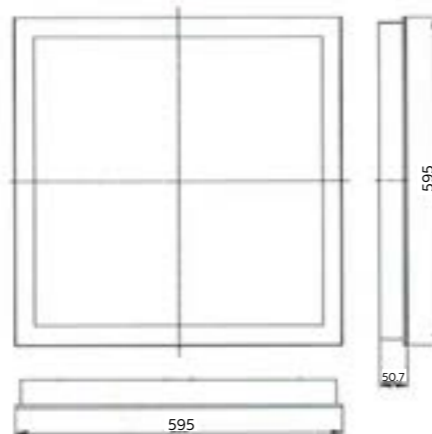
- Meeting room
- Office
- Hospital
- School
- Public area

## Features and Benefits

- 50% more energy efficient compared to conventional T5 solution
- Slim design preferred by lighting designer and specifier
- Deliver uniform and soft light with sufficient lumen output
- System efficiency 100lm/W
- Working Temp -10°C to 35°C
- High reliability, 50k hours (L70@25°C)
- 3H emergency available.

## Product size

All dimensions in millimeters



50Khrs  
Up to  
110  
lm/W

## Technical parameters

Type	LED6060-G3 Commercial
Ceiling Type	600X600 Metric, Modular ceiling
Light Source	TALEX module STARK QLE G3 CLASSIC
Power	45.2 W
Luminous Flux	4600lm (3000K) 4800lm (4000K) 5000lm (5000K)
Color Rendering Index	>80
Correlated Color Temperature	Warm white: 3000K Neutral white: 4000K Cool White, Day Light: 5000K
Lifetime	50Khrs
Drive Current	350mA
Driver	TALEX Converter
Voltage& Frequency	220-240V/50-60Hz
Dimming	Yes
Material	Housing and Frame: Steel
Emergency	3 hours duration
Color	Housing and Frame: White
Optics	Lumieo Opal diffuser
Connection	Male & Female connector available outside
Installation	Recessed “Laid-in” Mounted





# PowerBalance gen2

## Sustainable performance

### GreenOffice system compatible

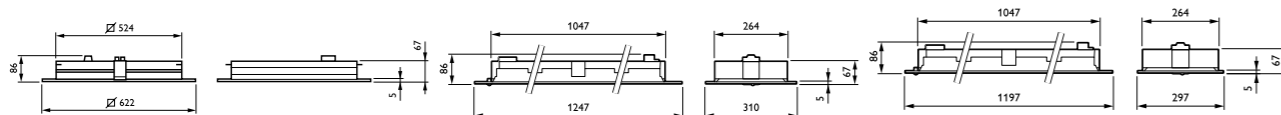
When it comes to lighting an office space with LED luminaires, people are usually willing to invest in sustainability provided the investment pays back. At the same time, the system should comply with office lighting norms to ensure a comfortable working environment. PowerBalance gen2 is Philips' most 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. The gen2 architecture enables a range of highly versatile modular and semi-modular luminaires. These luminaires can be easily mounted in ceilings with exposed T-bar and concealed T-bar, as well as plaster ceilings and bandraster-type ceilings. PowerBalance is also available in a surface-mounted version.

### Features and 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
- Variety of mounting options
- Advanced LED technology
- Available in different shapes and sizes
- Office-norm-compliant

### Product size

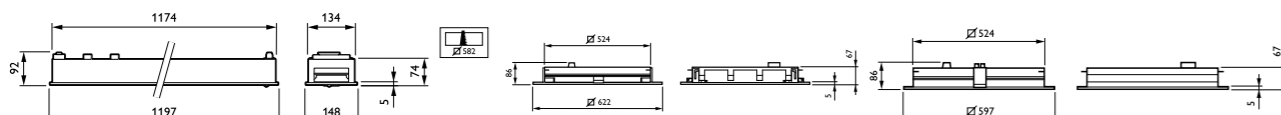
All dimensions in millimeters



PowerBalance RC460B-RC468B

PowerBalance RC460B-RC468B

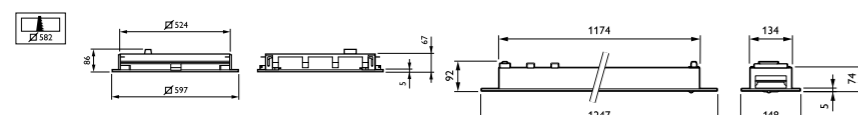
PowerBalance RC460B-RC468B



PowerBalance RC460B-RC468B

PowerBalance RC460B-RC468B

PowerBalance RC460B-RC468B



PowerBalance RC460B-RC468B

PowerBalance RC460B-RC468B



up to  
70K hrs

up to  
100  
lm/W

### Technical parameters

Type	RC460B / RC461B (module size 600x600 mm versions) RC462B / RC463B (module size 625x625 mm versions) RC467B / RC468B (module size 675x675 mm versions)
Ceiling type	Exposed- and symmetrical concealed T-bar ceiling and plaster (board) ceiling Asymmetrical concealed T-bar ceiling, square Bandraster ceiling
Ceiling grid	RC460B / RC461B: module size in length: 600 mm RC462B / RC463B: module size in length: 625 mm RC467B / RC468B: module size in length: 675 mm
Light source	Philips LED module PP
Power	RC461B / RC463B / RC468B - LED40S: 35 W (4000 K) - LED34S: 29 W (4000 K) - LED28S: 25 W (4000 K) RC460B / RC462B / RC467B - LED34S: 34 W (4000 K) - LED28S: 28 W (4000 K)
Beam angle	90°
Luminous flux	2800, 3400 or 4000 lm (depending on configuration)
Correlated Color Temperature	3000 or 4000 K
Color Rendering Index	> 80
Median useful life L70B50	70,000 hours
Median useful life L80B50	50,000 hours
Median useful life L90B50	25,000 hours
Driver failure rate	1% per 5000 hours
Average ambient temperature	25 °C
Driver	Built-in: - Non-dimmable (PSU) - DALI Dimmable (PSD) - DALI Dimmable Touch and Dim (PSD-T)
Mains voltage	220-240 V / 50 Hz
Dimming	Compatible with DALI controllers
Controls system input	DALI
Options	Emergency lighting (integrated): 1 hour (EL1) or 3 hours (EL3) Airhandling (only VPC, Bandraster) Controls: Actilume (ACL)
Material	Housing: coated steel and plastic Rim: powder coated steel Optics: plastic
Color	White or silver grey
Connection	Wieland connector GST 18, 3 or 4 poles (W, W4) Push-in connector with pull relief (PIP)
Maintenance	Optical module sealed for life; no internal cleaning required
Installation	Visible profile ceiling version (VPC): in lay, no brackets needed Concealed profile ceiling version (CPC): using separate mounting rim and brackets (included) (not in RC467B / RC468B) Plaster ceiling version (PCV): using separate mounting rim and brackets (included) (only RC460B / RC461B)
Emergency	3 hours duration

### Technical parameters

Type	RC415B (module size 600x600 mm version) RC416B (module size 625x625 mm version)
Ceiling type	Exposed T-bar ceiling Bandraster ceiling (RC416 W15LEXT)
Ceiling grid	RC415B: module size in length: 600 mm RC416B: module size in length: 625 mm
Light source	Philips LED module PP
Power	LED34S: 30 W (4000 K) LED20S: 17 W (4000 K)
Beam angle	90°
Luminous flux	2000 or 3400 lm (depending on configuration)
Correlated Color Temperature	3000 or 4000 K
Color Rendering Index	> 80
Median useful life L70B50	70,000 hours
Median useful life L80B50	50,000 hours
Median useful life L90B50	25,000 hours
Driver failure rate	1% per 5000 hours
Average ambient temperature	25 °C
Driver	Built-in: - Non-dimmable (PSU) - DALI Dimmable (PSD) - DALI Dimmable Touch and Dim (PSD-T)
Mains voltage	220-240 V / 50 Hz
Dimming	Compatible with DALI controllers
Controls system input	DALI
Options	Emergency lighting (integrated): 1 hour (EL1) or 3 hours (EL3) Airhandling (bandraster only) Controls: Actilume (ACL)
Material	Housing: coated steel and plastic Rim: powder coated steel Optics: plastic
Color	White or silver grey
Connection	Wieland connector GST 18, 3 or 4 poles (W, W4) Push-in connector with pull relief (PIP)
Maintenance	Optical module sealed for life; no internal cleaning required
Installation	Visible profile ceiling version (VPC): in lay, no brackets needed Bandraster
Emergency	3 hours duration



# PowerBalance PoE

Intelligent energy-saving luminaire enabled for connected lighting systems

**Power over ethernet** system compatible

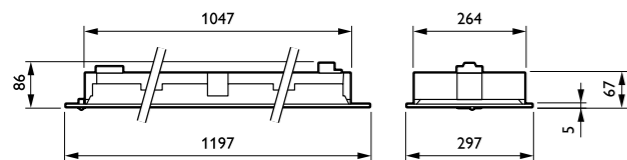
With Power-over-Ethernet (PoE) technology, PowerBalance PoE receives power and data over a single standard Ethernet cable, eliminating the need for separate power cabling. With the simple click of a connector, PowerBalance PoE luminaires become part of a complete, integrated connected lighting system, delivering extraordinary illumination experiences and value beyond illumination. A built-in lighting and control system gives office users personal control over their preferred light settings via a specially designed smartphone app. With integrated sensors, PowerBalance PoE luminaires can track activity patterns, daylight levels, and in the near future humidity, CO<sub>2</sub>, temperature, or other data. This data allows facility managers to gain deep insight into building operations, helping them optimize the delivery of resources, enhance the experience and performance of occupants, and support improved asset management.

## Features and Benefits

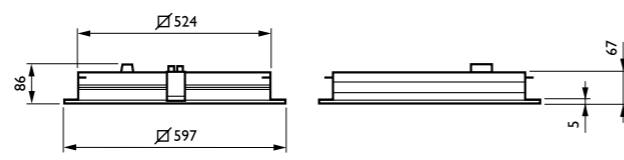
- LED lighting and control system with breakthrough Total Cost of Ownership, reducing installation costs by around 25% and commissioning costs by around 50%
- Software applications optimize working processes, comfort, and asset utilization and management
- Clear customer benefits in both the construction and usage phases of a building
- Data gathering on building usage via luminaire sensors
- Personal control of lighting and temperature settings
- Simpler and cheaper installation and lighting commissioning

## Product size

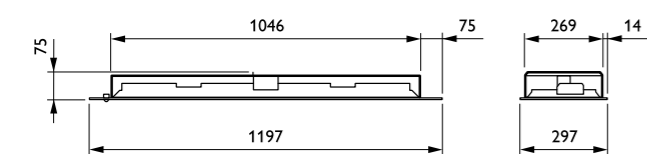
All dimensions in millimeters



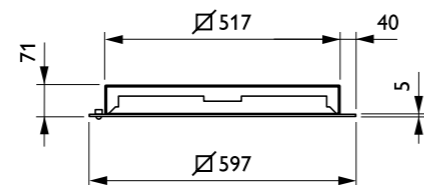
RC461B G2 LED32S/840 POE W30L120 VPC ACL



RC461B G2 LED32S/840 POE W60L60 VPC ACL



RC461B G2 LED32S/840 POE W30L120 VPC ACL



RC461B G2 LED32S/840 POE W60L60 VPC ACL

up to  
70K hrs

up to  
124  
lm/W

## Technical parameters

Type	RC461B (module size 600x600 mm versions) RC463B (module size 625x625 mm versions)
Ceiling type	Exposed T-bar ceiling
Ceiling grid	RC461B: module size in length: 600 mm RC463B: module size in length: 625 mm
Light source	Non-replaceable LED module
Power	25 W
Beam angle	90°
Luminous flux	3100 lm (for PoE 25 W systems)
Correlated Color Temperature	4000 K
Color Rendering Index	> 80
Median useful life L70B50	70,000 hours
Median useful life L80B50	50,000 hours
Median useful life L90B50	25,000 hours
Driver failure rate	1% per 5000 hours
Average ambient temperature	25 °C
Driver	Built-in
Power/Data supply	PoE (Power over Ethernet) driver
Mains voltage	54 V (PoE switch)
Dimming	Via PoE controller
Controls system input	PoE controller
Material	Housing: coated steel and plastic Rim: powder coated steel Optics: plastic
Color	White
Connection	PoE connector CAT cable
Maintenance	Optical module sealed for life; no internal cleaning required
Installation	In lay, no brackets needed Through-wiring not possible
Emergency	3 hours duration



# PowerBalance G3 RC600B

## Sustainable performance

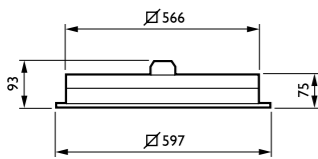
When it comes to lighting an office space with LED luminaires, people are willing to invest in sustainability, but only at reasonable cost. At the same time, the system should comply with office lighting norms to ensure a comfortable working environment. PowerBalance is an attractively priced LED luminaire specially developed to meet all office requirements. It consumes significantly less energy while offering longer life of the light source, resulting in lower operational cost compared to traditional luminaires.

### Features and Benefits

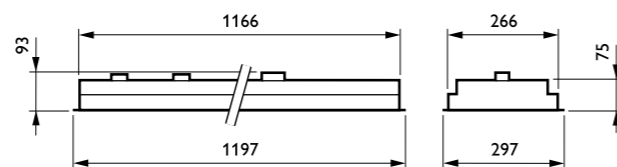
- Operational cost saving
- Energy-efficient
- Office norm-compliant
- Advanced LED technology
- Smart Pyramid Optics (SPO)
- Dedicated lumen package for office application

### Product size

All dimensions in millimeters



PowerBalance RC600B



PowerBalance RC600B



50Khrs  
130  
Lm/W

### Technical parameters

Type	RC600B
Ceiling type	Exposed T-bar ceiling Bandrastrer ceiling
Light source	Philips Fortimo LEDline 3R
Power	LED31S: 40 W (4000 K) LED40S: 52 W (4000 K)
Beam angle	85°
Correlated Color Temperature	3000 or 4000 K
Color Rendering Index	80
Maintenance of lumen output - L90	30,000 hours at 25°C
Maintenance of lumen output - L70	50,000 hours at 25°C
Driver	Built-in
Mains voltage	230 or 240 V / 50 Hz
Dimming	Compatible with DALI controllers
Controls system input	DALI
Options	Lighting controls: Actilume (ACL) Airhandling
Material	Housing: zinc-coated steel Rim: post lacquered Optics: plastic
Color	White (WH)
Maintenance	Optical module sealed for life; no internal cleaning required
Installation	Exposed ceilings: in lay, no brackets needed



# PowerBalance RC360B

Perfect combination of sustainable performance and return on investment

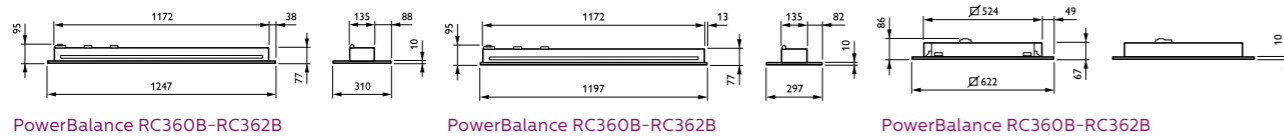
When it comes to lighting an office space with LED luminaires, people are usually willing to invest in sustainability, provided the investment pays back. At the same time, the system should comply with office lighting norms in order to ensure a comfortable working environment. PowerBalance RC360 offers the ideal combination of sustainable performance and return on investment on the one hand, and compliance with relevant office norms on the other. It reduces energy costs by more than half compared to a T5 solution, and the light source also has a longer lifetime. This results in significantly lower operating costs, ensuring a payback that meets the needs of the specification market. The architecture of PowerBalance RC360 enables a range of highly versatile modular and semi-modular luminaires. These can be easily mounted in ceilings with exposed or concealed T-bars, as well as plaster ceilings and bandrafter-type ceilings.

## Features and Benefits

- Delivers substantial savings on operating costs compared to T5
- Fully compliant with relevant office norms
- Very efficient luminaire enabling up to 80% energy savings
- State-of-the-art optical/LED technology
- High efficacy: 115 lm/W
- UGR < 19 and L65 ≤ 3000 cd/m<sup>2</sup>
- Choice of dimensions and options to suit different applications and needs
- Suitable for direct replacement of T5 luminaires

## Product size

All dimensions in millimeters



PowerBalance RC360B-RC362B

PowerBalance RC360B-RC362B

PowerBalance RC360B-RC362B



PowerBalance RC360B-RC362B

PowerBalance RC360B-RC362B

PowerBalance RC360B-RC362B

up to  
70K hrs

up to  
109  
lm/W

## Technical parameters

Type	RC360B (module size 600x600 mm versions) RC362B (module size 625x625 mm versions)
Ceiling type	Exposed T-bar ceiling
Ceiling grid	RC360B: module size in length: 600 mm RC362B: module size in length: 625 mm
Light source	Non-replaceable LED module
Power	23,5 to 31 W (depending on type)
Beam angle	90°
Luminous flux	2800 or 3400 lm (depending on configuration)
Correlated Color Temperature	3000 or 4000 K
Color Rendering Index	> 80
Median useful life L70B50	70,000 hours
Median useful life L80B50	50,000 hours
Median useful life L90B50	25,000 hours
Driver failure rate	1% per 5000 hours
Average ambient temperature	25 °C
Driver	Built-in
Power/Data supply	Xitanium driver
Mains voltage	220-240 V / 50 Hz
Dimming	DALI dimmable
Material	Housing: coated steel and plastic Rim: powder coated steel Optics: plastic
Color	White
Connection	Wieland connector (W) Push-in connector with pull relief (PIP)
Maintenance	Optical module sealed for life; no internal cleaning required
Installation	Exposed ceilings: in lay, no brackets needed Through-wiring not possible



# TrueLine, recessed

True line of light: elegant, energy-efficient and compliant with office lighting norms

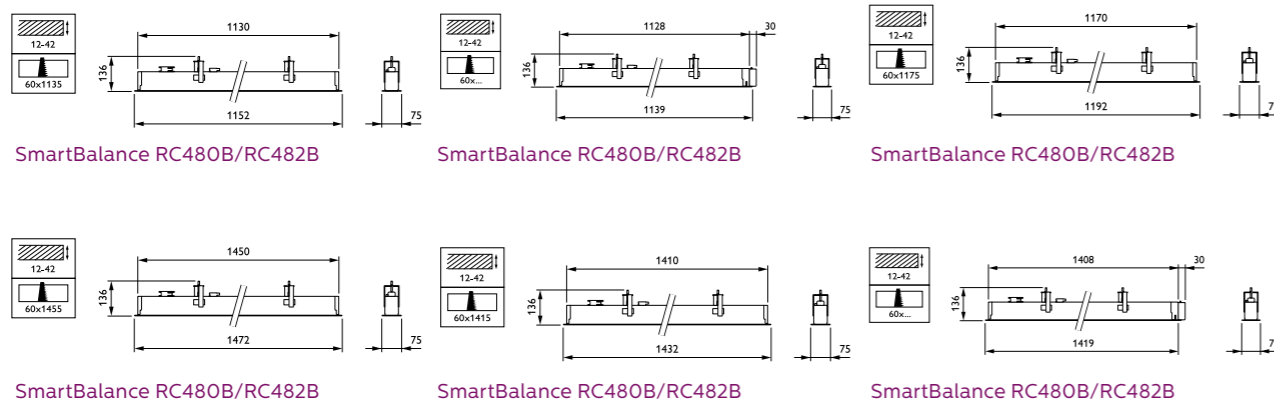
Architects need a lighting solution that matches the interior architecture of the property they are working on. They want a light line with an elegant design and very high light levels. Specifiers need luminaires that enable them to save energy while at the same time providing the right level of light, in compliance with office lighting norms. TrueLine, recessed is able to meet both sets of requirements. TrueLine is also available in suspended and surface-mounted versions.

## Features and Benefits

- The most uniform exit window
- Extremely high efficacy for a line luminaire
- Luminaire housing dimensions that are most popular with architects
- Luminous efficacy > 100 lm/W
- Complies with office lighting norms
- Stand-alone and continuous lines
- Suspended version also available
- Direct and indirect light
- Homogeneous exit window
- Future-proof: PoE

## Product size

All dimensions in millimeters



up to  
70K hrs

up to  
127  
lm/W

## Technical parameters

Type	RC530B (office compliant stand-alone version) RC531B (non-office compliant stand-alone version) RC532B (office compliant continuous line version) RC533B (non-office compliant continuous line version)
Ceiling type	Exposed T-bar ceiling Plaster (board) ceiling
Light source	Non-replaceable LED module
Power	Office compliant (OC), 4000 K: 19 W (2500 lm) 25.5 W (3400 lm) 31.5 W (4000 lm) Non-office compliant (NOC), 4000 K: 27 W (2500 lm)
Beam angle	80 ° (OC), 110 ° (NOC)
Luminous flux	2500 to 4000 lm (4000 K)
Correlated Color Temperature	3000 or 4000 K
Color Rendering Index	>80
Median useful life L70B50	70,000 hours
Median useful life L80B50	50,000 hours
Median useful life L90B50	25,000 hours
Driver failure rate	1% per 5000 hours
Average ambient temperature	25 °C
Driver	Built-in
Power/Data supply	PDS-60 24 V; supply for indoor and outdoor applications
Mains voltage	220-240 V / 50-60 Hz
Dimming	Compatible with many commercial available ELV dimmers
Controls system input	0-16 V, DALI
Options	Central battery
Material	Housing: steel Driver box: steel Cover: PMMA or polycarbonate
Color	White (RAL 9003)
Optical cover	Office compliant: PMMA, semi-transparent Non-office compliant: polycarbonate, opal
Connection	Push-in connector with 5 poles Push-in connector with 7 poles Wieland connector with 3 poles and 2-pole control signal Wieland connector with 3 poles and 2 x 2-pole control signal
Maintenance	Optical module replaceable, no internal cleaning required
Installation	Exposed ceilings: in lay, no brackets needed Through-wiring possible
Accessories	End caps for line modules RC530Z EP WH



# ArcForm

## A new dimension in LED lighting

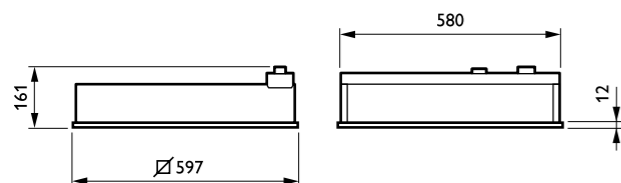
More and more customers are looking for lighting solutions that support the architecture of the building and the types of activity taking place in certain zones. A luminaire with soft light and a gentle appearance is perfect for those places where additional quality of light adds value. With the cleanly designed ArcForm, the optical system using MesoOptics technology creates soft, comfortable lighting, with a full luminous surface. The luminaire's wide beam shape means that the light distribution is uniform throughout the entire space, rather than directional. And the LED boards and optics offer significant energy savings compared to a similar conventional solution.

### Features and Benefits

- Creates pleasant spaces that are well lit in a soft and gentle way
- When looking directly into the luminaire, the light is not glaring or uncomfortable
- Offers immediate savings of over 50% on energy cost compared to a similar conventional solution
- Optical system using MesoOptics technology
- Wide beam shape, uniform light distribution
- LED boards and optics
- Design is clean, crisp and free of clutter

### Product size

All dimensions in millimeters



70Khrs

98  
lm/W

### Technical parameters

Type	RC660B
Ceiling type	Exposed T-bar ceiling
Ceiling grid	Module size in length: 600 mm
Light source	Philips Fortimo LED Line 1R
Power (±10%)	LED36S version: 37 W LED44S version: 46 W
Beam angle	114°
Luminous flux	LED36S version: 3600 lm LED44S version: 4400 lm
Correlated Color Temperature	3000 or 4000 K
Color Rendering Index	≥ 80
Median useful life L70B50	70,000 hours
Median useful life L80B50	50,000 hours
Median useful life L90B50	25,000 hours
Driver failure rate	1% per 5000 hours
Average ambient temperature	25 °C
Driver	Built-in
Mains voltage	230 or 240 V / 50-60 Hz
Dimming	DALI-dimmable
Material	Housing: zinc-coated steel
Color	White
Optic	MESO optic (MO)
Connection	Wieland connector GST 18, 3 or 4 poles (W) Push-in connector (PI)
Installation	Individual; lay-in in exposed ceiling grids No through-wiring possible



# DayZone

Innovative design meets sustainability

For general office lighting, customers want to capture the benefits LED technology has to offer – sustainability and fresh, high-impact design, without compromising visual comfort. Our DayZone recessed LED luminaire delivers high-quality functional lighting with an energy efficiency that matches or even outperforms traditional fluorescent systems. But what makes DayZone really shine is its impressive visual comfort. Our innovative use of LED technology has created a luminaire that breaks away from fluorescent lighting designs of the past to offer a striking appearance and light effect. Glare control and color consistency are compliant with future office norms. DayZone is available in square versions and, to ensure a better fit in plaster ceiling applications, in a round housing.

## Features and Benefits

- Inspiring design
- Sustainable solution
- Visual comfort
- Lumen package enabling 500 lux using conventional luminaire spacing
- Dedicated MLO optic design
- Special patented light-mixing chamber
- Round housing available for plaster ceiling applications

## Product size

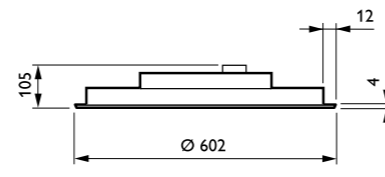
All dimensions in millimeters



DayZone BBS560-BBS567



DayZone BBS560-BBS567



DayZone BBS560-BBS567



up to  
70K hrs

up to  
70  
lm/W

## Technical parameters

Type	BBS560 (module size: 600 mm) BBS562 (module size: 625 mm) BBS567 (module size: 675 mm) BBS561 (round housing)
Ceiling type	Exposed- and symmetrical concealed T-bar ceiling and plaster (board) ceiling
Ceiling grid	Module size in length: 600 x 600 mm Module size in length: 625 x 625 mm Module size in length: 675 x 675 mm
Light source	Philips DayZone LED module
Power (steady state in W, ± 10%)	4000 K: 51 W (LED35S) 3000 K: 55 W (LED35S)
Beam angle	90°
Luminous flux	3500 lm (independent of CCT)
Correlated Color Temperature	3000 or 4000 K
Color Rendering Index	80
Median useful life L70B50	70,000 hours
Median useful life L80B50	50,000 hours
Median useful life L90B50	25,000 hours
Driver failure rate	1% per 5000 hours
Average ambient temperature	25 °C
Operating temperature	10°C < T
Driver	Built-in
Mains voltage	230 or 240 V / 50 - 60 Hz
Dimming	Compatible with DALI controllers
Controls system input	DALI
Optical cover	OLC micro-lens optic, partial (AC-MLO-C) OLC micro-lens optic, full (AC-MLO)* OLC micro-lens optic, partial (PC-MLO-C) OLC micro-lens optic, full (PC-MLO)* *not for BBS561
Options	Emergency lighting (integrated): 3 hours (EL3)* Lighting controls: Actilume multi-controller (ACL)* Compatible with DALI (only relating to dimmable driver PSD) Euro fuse (FU) included *not for BBS561
Materials	Housing: zinc-coated steel Rim: post lacquered Optical cover: acrylic (AC-MLO), polycarbonate (PC-MLO)
Color	White (WH), silver grey (SI) Standard RAL colors available on request
Installation	Exposed ceilings: in lay, no brackets needed Concealed ceilings: bracket ZBS460 SMB (1 set = 4 pcs) reach is 25 - 65 mm Concealed ceiling with T-bar 38 mm: bracket ZBS460 SMB-TPM (1 set = 4 pcs) Brackets for plaster ceilings ZBS460 SMB-PLC (1 set = 12/24 pcs)* Through-wiring possible *Suspension brackets are included for BBS561
Connection	Push-in connector (PI) or with pull relief (PIP) Wieland connector GST 18, 3 or 4 poles (W, W4)
Accessories	Suspension bracket sets: ZBS460 SMB (4PCS), ZBS460 SMB-TPM (4PCS), ZBS460 SMB-PLC (12/24PCS)
Remarks	Protection foil to protect the optic during installation
Main applications	Office, retail, hospitality, healthcare

## Recessed

SmartBalance Tunable White, recessed



# SmartBalance Tunable White, recessed

Supporting a general feeling of health and well-being

## HealWell system compatible

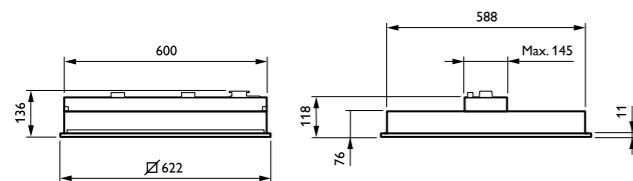
SmartBalance Tunable White recessed improves patients' sense of well-being during their hospital stay. This dynamic lighting solution enables hospitals to provide patient rooms that are more homely and inviting, where the atmosphere can be changed to suit the time of day or the activity being carried out. At the same time, it helps hospital managers to ensure that medical staff remain alert, especially on round-the-clock shifts.

## Features and Benefits

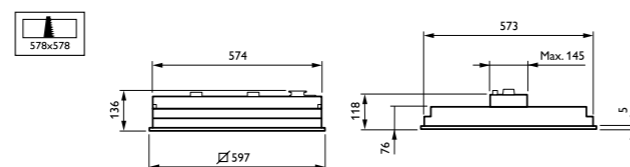
- Surface of light combining performance and smart design
- Offers patients more choice, and provides high quality, glare-free work light for staff
- One luminaire offering different colors (3000 up to 6500 K)
- Tunable White features with dedicated control system
- Predefined dynamic curves vary color temperature and intensity as a function of time

## Product size

All dimensions in millimeters



SmartBalance RC480B/RC482B



SmartBalance RC480B/RC482B



up to  
50K hrs

up to  
81  
lm/W

## Technical parameters

Type	RC484B (module size 600x600 mm versions) RC486B (module size 625x625 mm versions)
Ceiling type	Exposed T-bar ceiling
Ceiling grid	RC484B: module size in length: 600 mm RC486B: module size in length: 625 mm
Light source	Non-replaceable LED module
Power	49 W
Beam angle	90°
Luminous flux	4000 to 4200 lm
Correlated Color Temperature	3000-6500 K
Color Rendering Index	> 80
Median useful life L70B50	70,000 hours
Median useful life L80B50	50,000 hours
Median useful life L90B50	25,000 hours
Driver failure rate	1% per 5000 hours
Average ambient temperature	25 °C
Driver	Built-in
Mains voltage	220-240 V / 50-60 Hz
Dimming	Integrated
Controls system input	t.b.d.
Optic	Micro-lens optic, clear (ACC-MLO)
Material	Housing: plastic or zinc-coated steel Optic: acrylate Exit window: PMMA
Color	White (WH, comparable to RAL 9003)
Connection	Push-in connector (PI)
Maintenance	Optical module sealed for life; no internal cleaning required
Installation	Individual; lay-in in exposed ceiling grids UGR 17





# PowerBalance Tunable White, recessed

Supporting a general feeling of health and well-being

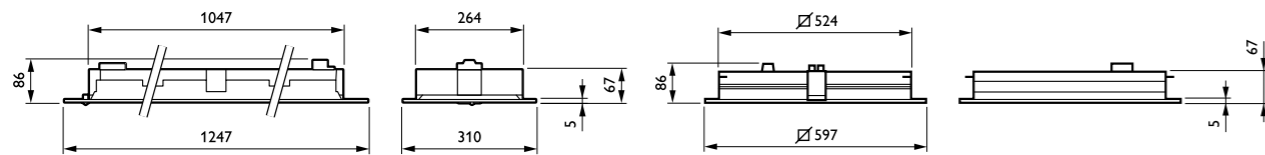
The right light can have a favorable effect on various physiological processes in the human body. Statistically, 65% of office workers don't feel at their best before 9.00 hours. By giving them personal control over the lighting in their work space, so they can tailor it to suit the time of day and what 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.

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

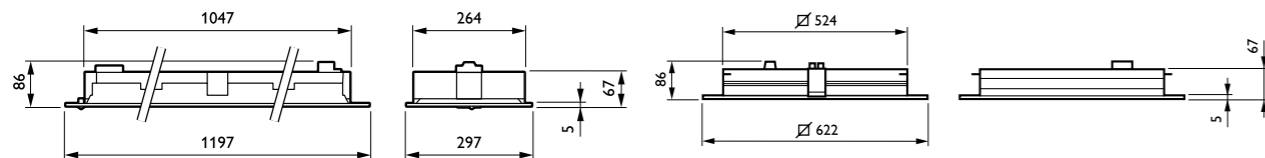
## Product size

All dimensions in millimeters



PowerBalance RC460B-RC468B

PowerBalance RC460B-RC468B



PowerBalance RC460B-RC468B

PowerBalance RC460B-RC468B

up to  
70K hrs

up to  
110  
lm/W

## Technical parameters

Type	RC464B (module size 600x600 mm versions) RC466B (module size 625x625 mm versions)
Ceiling type	Exposed T-bar ceiling
Ceiling grid	RC464B: module size in length: 600 mm RC466B: module size in length: 625 mm
Light source	Non-replaceable LED module
Power	28.5 to 69 W
Beam angle	120°
Luminous flux	2900 to 7600 lm
Correlated Color Temperature	2700-6400 K
Color Rendering Index	> 80
Median useful life L70B50	70,000 hours
Median useful life L80B50	50,000 hours
Median useful life L90B50	25,000 hours
Driver failure rate	1% per 5000 hours
Average ambient temperature	25 °C
Driver	Built-in
Mains voltage	220-240 V / 50-60 Hz
Dimming	DALI
Controls system input	0-16 V
Material	Housing: coated steel and polycarbonate Rim: powder coated steel Optics: polycarbonate Reflector: polycarbonate Gear tray: steel
Color	White (WH, comparable to RAL 9003)
Connection	Push-in connector (PI) or with pull relief (PIP) Wieland/Adels push-in connector, 3-pole mains (and 2-pole control signal) (W)
Maintenance	Optical module sealed for life; no internal cleaning required
Installation	Lay-in in exposed ceiling grids; no brackets needed Through-wiring not possible





# Xtend LED Troffer

Supporting a general feeling of health and well-being

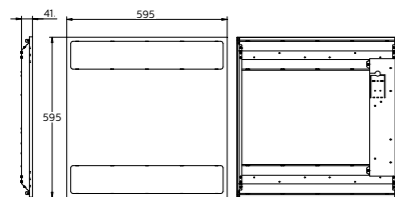
Xtend LED is the new generation of linear design troffer with good illuminating uniformity and high efficiency. Xtend LED troffer offers three dimensions, 595x595mm, 295x1195mm and 595x1195mm, for recessed application fit with different type of ceiling grid.

## Features and Benefits

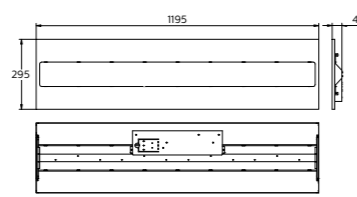
- 60% more energy efficient compared to conventional TL solution
- Continuous linear design – Uniform light from the illuminating window with visual comfort
- Full range to fit with different types of ceiling grid recessed
- System efficiency  $\geq 95$  lm/W
- CRI > 80, SDCM  $\leq 4$
- High reliability, 50k hours (L70@25°C)

## Product size

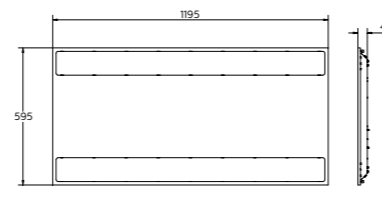
All dimensions in millimeters



RC115B LED35S/840 PSU W60L60  
RC115B LED35S/840 PSD W60L60  
RC115B LED35S/840 PSU W60L60 S



RC115B LED35S/840 PSU W30L120  
RC115B LED35S/840 PSD W30L120  
RC115B LED35S/840 PSU W30L120 S



RC115B LED35S/840 PSU W60L120  
RC115B LED35S/840 PSD W60L120  
RC115B LED35S/840 PSU W60L120 S

up to  
50K hrs

up to  
105  
lm/W



## Technical parameters

Type	Xtend LED RC115B 35S
System lumen output	3600lm
Voltage	220-240V 50/60Hz
Power consumption	34W ~ 38W
Efficacy	95~105lm/W
Power factor	0.9
LED driver	Fixed output / DALI
SDCM	$\leq 4$
CRI	80
Color temperature	4000K, (3000K, 6500K available via ETO)
Materials and finishing	Housing: SPCC = 0.5mm PMMA diffuser for high efficacy
Lifetime	50,000 hours (70% lumen maintenance @ Ta = 25°C)
Working Temperature Range	0°C < Ta < 40°C
Dimensions	RC115B ... W60L60 : 595 x 595 x mm RC115B ... W30L120 : 295 x 1195 x mm RC115B ... W60L120: 595 x 1195 x mm
Weight	RC115B...W60L60 : 2.8KG RC115B ... W30L120 : 2.7KG RC115B ... W60L120 : 4.7KG
Mounting Type	Recessed
IP rating	IP20
Certifications	CB, EMC