

Create comfort and satisfaction for your office

PowerBalance G4

PowerBalance G4 (RC650 range) is a complete office lighting family which creates a modern, flexible and comfortable environment that fosters creativity and innovation. It provides multiple control options (Interact office, Interact pro, POE) to make your office energy-efficient and easy to manage.

Benefits

- Nice and creative outlook design to fit different office application environments
- Multiple control interfaces to fit high end office lighting solutions
- High lm/w to offer better energy saving

Features

- High energy efficacy at 136lm/w
- CRI90- Conformity to WELL
- Multiple control interface available

Application

- Office lighting

Specifications

Ceiling type	T-bar ceiling
Mains Voltage	220-240V/ 50-60Hz

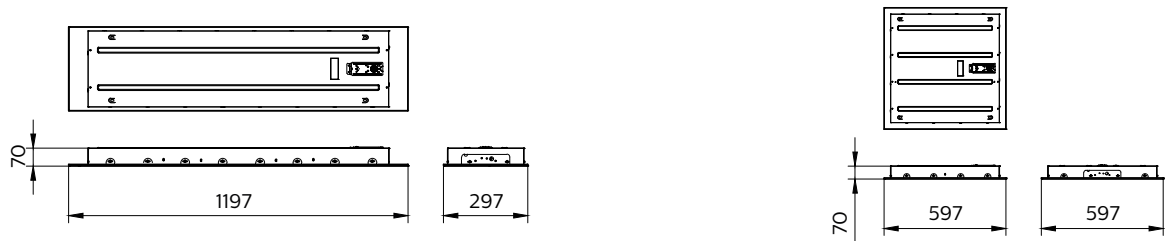
Dimming	PSU: non-dimmable
	PSD: Dimmable via Dali-broadcasting
	WIA: Wireless control, compatible with Interact
	SIA: Wireless control, compatible with Interact with SNS210 sensor
Integrated sensors	SNS210

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Material	Housing: metal sheet
Main color of the luminaire	White
Lumen maintenance at median useful life	L70B50 50.000h

Color Rendering index - 840, 865, 940, 965	
CRI	
Risk Group	RG1
Ingress protection	IP20
UGR	16
Installation	Recessed

Dimensional drawing



General Information

CE mark	CE mark
Driver included	Yes
ENEC mark	-
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Number of gear units	1 unit

Light Technical

Beam angle of light source	120 degree(s)
Optical cover type	Polycarbonate
Optic type	Reflector

Operating and Electrical

Line Frequency	50 or 60 Hz
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Temperature

Ambient temperature range	-20 to +40 °C
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Mechanical and Housing

Housing Color	White
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Approval and Application

Mech. impact protection code	IK03
Ingress protection code	IP20

Initial Performance (IEC Compliant)

Initial chromaticity	SDCM<3
Luminous flux tolerance	+/-10%

Over Time Performance (IEC Compliant)

Median useful life L80B50	50,000 hour(s)
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Application Conditions

Suitable for random switching	No
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Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
01548861	RC650B LED40S865 PSU W30L120	6500 K	>80	142.9 lm/W	4,100 lm
01549061	RC650B LED40S840 PSU W30L120	4000 K	>80	142.9 lm/W	4,100 lm
01549161	RC650B LED40S840 PSD W30L120	4000 K	>80	140.4 lm/W	4,100 lm
01556761	RC650B LED40S940 PSD W30L120	4000 K	>90	135.3 lm/W	3,950 lm
01558361	RC650B LED40S940 PSD W30L120 CAU	4000 K	>90	135.3 lm/W	3,950 lm
52127899	RC650B LED40S865 PSU W60L60	6500 K	>80	142.9 lm/W	4,100 lm
72811099	RC650B LED40S840 PSU W60L60	4000 K	>80	142.9 lm/W	4,100 lm
01548761	RC650B LED40S840 PSD W60L60	4000 K	>80	140.4 lm/W	4,100 lm
01549761	RC650B LED40S840 PSU W60L60 TWN	4000 K	>80	138.7 lm/W	4,855 lm
01554061	RC650B LED40S8 TWH W60L60	-	>80	136.7 lm/W	4,100 lm
01558161	RC650B LED40S940 PSD W60L60 CAU	4000 K	>90	135.3 lm/W	3,950 lm
01580161	RC650B LED40S965 PSD W60L60	6500 K	>90	135.3 lm/W	3,950 lm

Operating and Electrical

Order Code	Full Product Name	Input Voltage	Power Consumption
01548861	RC650B LED40S865 PSU W30L120	220 to 240 V	28.7 W
01549061	RC650B LED40S840 PSU W30L120	220 to 240 V	28.7 W
01549161	RC650B LED40S840 PSD W30L120	220 to 240 V	29.2 W
01556761	RC650B LED40S940 PSD W30L120	220 to 240 V	29.2 W
01558361	RC650B LED40S940 PSD W30L120 CAU	220 to 240 V	29.2 W
52127899	RC650B LED40S865 PSU W60L60	220 to 240 V	28.7 W
72811099	RC650B LED40S840 PSU W60L60	220 to 240 V	28.7 W

Order Code	Full Product Name	Input Voltage	Power Consumption
01548761	RC650B LED40S840 PSD W60L60	220 to 240 V	29.2 W
01549761	RC650B LED40S840 PSU W60L60 TWN	100 to 277 V	35 W
01554061	RC650B LED40S8 TWH W60L60	220 to 240 V	30 W
01558161	RC650B LED40S940 PSD W60L60 CAU	220 to 240 V	29.2 W
01580161	RC650B LED40S965 PSD W60L60	220 to 240 V	29.2 W

Controls and Dimming

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Order Code	Full Product Name	Dimmable
01548861	RC650B LED40S865 PSU W30L120	No
01549061	RC650B LED40S840 PSU W30L120	No
01549161	RC650B LED40S840 PSD W30L120	Yes
01556761	RC650B LED40S940 PSD W30L120	Yes
01558361	RC650B LED40S940 PSD W30L120 CAU	Yes
52127899	RC650B LED40S865 PSU W60L60	No

Order Code	Full Product Name	Dimmable
72811099	RC650B LED40S840 PSU W60L60	No
01548761	RC650B LED40S840 PSD W60L60	Yes
01549761	RC650B LED40S840 PSU W60L60 TWN	No
01554061	RC650B LED40S8 TWH W60L60	Yes
01558161	RC650B LED40S940 PSD W60L60 CAU	Yes
01580161	RC650B LED40S965 PSD W60L60	Yes

Approval and Application

Order Code	Full Product Name	Protection class IEC
01548861	RC650B LED40S865 PSU W30L120	Safety class I
01549061	RC650B LED40S840 PSU W30L120	Safety class I
01549161	RC650B LED40S840 PSD W30L120	Safety class I
01556761	RC650B LED40S940 PSD W30L120	Safety class I
01558361	RC650B LED40S940 PSD W30L120 CAU	Safety class I
52127899	RC650B LED40S865 PSU W60L60	Safety class I

Order Code	Full Product Name	Protection class IEC
72811099	RC650B LED40S840 PSU W60L60	Safety class I
01548761	RC650B LED40S840 PSD W60L60	Safety class I
01549761	RC650B LED40S840 PSU W60L60 TWN	Safety class I
01554061	RC650B LED40S8 TWH W60L60	Safety class II
01558161	RC650B LED40S940 PSD W60L60 CAU	Safety class I
01580161	RC650B LED40S965 PSD W60L60	Safety class I

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Median useful life L90B50
01548861	RC650B LED40S865 PSU W30L120	37,045 hour(s)
01549061	RC650B LED40S840 PSU W30L120	37,045 hour(s)
01549161	RC650B LED40S840 PSD W30L120	33,817 hour(s)
01556761	RC650B LED40S940 PSD W30L120	33,817 hour(s)
01558361	RC650B LED40S940 PSD W30L120 CAU	33,817 hour(s)
52127899	RC650B LED40S865 PSU W60L60	37,045 hour(s)

Order Code	Full Product Name	Median useful life L90B50
72811099	RC650B LED40S840 PSU W60L60	37,045 hour(s)
01548761	RC650B LED40S840 PSD W60L60	33,817 hour(s)
01549761	RC650B LED40S840 PSU W60L60 TWN	37,045 hour(s)
01554061	RC650B LED40S8 TWH W60L60	33,817 hour(s)
01558161	RC650B LED40S940 PSD W60L60 CAU	33,817 hour(s)
01580161	RC650B LED40S965 PSD W60L60	33,817 hour(s)

Application Conditions

Order Code	Full Product Name	Maximum dim level
01548861	RC650B LED40S865 PSU W30L120	Not applicable
01549061	RC650B LED40S840 PSU W30L120	Not applicable
01549161	RC650B LED40S840 PSD W30L120	Programmable
01556761	RC650B LED40S940 PSD W30L120	Programmable
01558361	RC650B LED40S940 PSD W30L120 CAU	Programmable
52127899	RC650B LED40S865 PSU W60L60	Not applicable

Order Code	Full Product Name	Maximum dim level
72811099	RC650B LED40S840 PSU W60L60	Not applicable
01548761	RC650B LED40S840 PSD W60L60	Programmable
01549761	RC650B LED40S840 PSU W60L60 TWN	Not applicable
01554061	RC650B LED40S8 TWH W60L60	1%
01558161	RC650B LED40S940 PSD W60L60 CAU	Programmable
01580161	RC650B LED40S965 PSD W60L60	Programmable

