



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

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

Features

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

Application

 \cdot Office lighting

Specifications

Ceiling type	T-bar ceiling	Dimming	PSU: non-dimmable
Mains Voltage	220-240V/ 50-60Hz	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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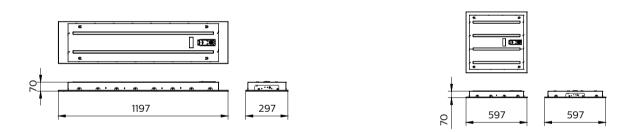
Material	Housing: metal sheet	Color Rendering in	Color Rendering index - 840, 865, 940, 965	
Main color of the	White	CRI	CRI	
luminaire		Risk Group	RG1	
Lumen maintenance	at L70B50	Ingress protection	IP20	
median useful life		UGR	16	
50.000h		Installation	Recessed	

Versions



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Dimensional drawing



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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	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Temperature	
Ambient temperature range	-20 to +40 °C
Mechanical and Housing	
Housing Color	White
Approval and Application	
Mech. impact protection code	ІКОЗ
Ingress protection code	IP20
Initial Performance (IEC Complian	
Initial chromaticity	SDCM<3
Luminous flux tolerance	+/-10%
Over Time Performance (IEC Com	
Median useful life L80B50	50,000 hour(s)
Application Conditions	
Suitable for random switching	No

Light Technical

	Correlated Color	Color		
	Temperature	rendering	Luminous Efficacy	
Full Product Name	(Nom)	index (CRI)	(rated) (Nom)	Luminous Flux
RC650B LED40S865	6500 K	>80	142.9 lm/W	4,100 lm
PSU W30L120				
RC650B LED40S840	4000 K	>80	142.9 lm/W	4,100 lm
PSU W30L120				
RC650B LED40S840	4000 K	>80	140.4 lm/W	4,100 lm
PSD W30L120				
RC650B LED40S940	4000 K	>90	135.3 lm/W	3,950 lm
PSD W30L120				
RC650B LED40S9 TWH	-	>90	131.7 lm/W	3,950 lm
W30L120				
RC650B LED40S865	6500 K	>80	142.9 lm/W	4,100 lm
PSU W60L60				
RC650B LED40S840	4000 K	>80	142.9 lm/W	4,100 lm
PSU W60L60				
RC650B LED40S840	4000 K	>80	140.4 lm/W	4,100 lm
PSD W60L60				
RC650B LED40S8 TWH	-	>80	136.7 lm/W	4,100 lm
W60L60				
RC650B LED40S9 TWH	-	>90	131.7 lm/W	3,950 lm
W60L60				
RC650B LED40S965	6500 K	>90	135.3 lm/W	3,950 lm
PSD W60L60				
	RC650B LED40S865 PSU W30L120 RC650B LED40S840 PSU W30L120 RC650B LED40S840 PSD W30L120 RC650B LED40S840 PSD W30L120 RC650B LED40S940 PSD W30L120 RC650B LED40S940 PSD W30L120 RC650B LED40S840 PSU W60L60 RC650B LED40S8 TWH W60L60 RC650B LED40S9 TWH W60L60 RC650B LED40S9 TWH W60L60	Temperature Full Product Name (Nom) RC650B LED40S865 6500 K PSU W30L120 4000 K PSD W30L120 4000 K RC650B LED40S810 4000 K PSU W60L60 4000 K RC650B LED40S840 4000 K PSU W60L60 4000 K PSU W60L60 4000 K RC650B LED40S840M 4000 K W60L60 4000 K RC650B LED40S85 TM 4000 K RC650B LED40S9TMM 4000 K W60L	Temperature rendering index (CR) Full Product Name (Non) index (CR) RC650B LED40S865 500 K >80 PSU W30L120 4000 K >80 PSD W30L120 4000 K >80 PSD W30L120 - - RC650B LED40S840 4000 K >80 PSD W30L120 - - RC650B LED40S91WH - - PSD W30L120 - - RC650B LED40S865 6500 K >80 W30L120 - - RC650B LED40S865 4000 K >80 PSU W60L60 - - RC650B LED40S840 4000 K >80 PSU W60L60 - - RC650B LED40S840 4000 K >80 PSU W60L60 - - RC650B LED40S85 4000 K >80	TemperaturerenderingLuminous EfficacyFull Product Name(Nom)index (CR)(rated) (Nom)RC650B LED40S8655500 K>80142.9 lm/WPSU W30L1204000 K>80142.9 lm/WPSU W30L120RC650B LED40S8404000 K>80140.4 lm/WPSU W30L120RC650B LED40S9404000 K>90135.3 lm/WPSD W30L120RC650B LED40S9404000 K>90131.7 lm/WPSD W30L120RC650B LED40S940HRC650B LED40S8406500 K>80142.9 lm/WPSU W60L60RC650B LED40S8404000 K>80142.9 lm/WPSU W60L60RC650B LED40S8404000 K>80142.9 lm/WPSU W60L60RC650B LED40S8404000 KPSU W60L60RC650B LED40S840HRC650B LED40S840HRC650B LED40S840HRC650B LED40S9TWHRC650B LED40S9TWHRC650B LED40S840HRC650B LED40S9TWHRC650B LED40S9TWHRC650B LED40S9TWHRC650B LED40S9TWH <td< td=""></td<>

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consump
911401548861	RC650B LED40S865 PSU W30L120	28.7 W	911401548661	RC650B LED40S840 PSU W60L60	28.7 W
911401549061	RC650B LED40S840 PSU W30L120	28.7 W	911401548761	RC650B LED40S840 PSD W60L60	29.2 W
911401549161	RC650B LED40S840 PSD W30L120	29.2 W	911401554061	RC650B LED40S8 TWH W60L60	30 W
911401556761	RC650B LED40S940 PSD W30L120	29.2 W	911401557861	RC650B LED40S9 TWH W60L60	30 W
911401557961	RC650B LED40S9 TWH W30L120	30 W	911401580161	RC650B LED40S965 PSD W60L60	29.2 W
911401548461	RC650B LED40S865 PSU W60L60	28.7 W			

Controls and Dimming

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Order Code	Full Product Name	Dimmable
911401548861	RC650B LED40S865 PSU W30L120	No
911401549061	RC650B LED40S840 PSU W30L120	No
911401549161	RC650B LED40S840 PSD W30L120	Yes
911401556761	RC650B LED40S940 PSD W30L120	Yes
911401557961	RC650B LED40S9 TWH W30L120	Yes
911401548461	RC650B LED40S865 PSU W60L60	No

Order Code	Full Product Name	Dimmable
911401548661	RC650B LED40S840 PSU W60L60	No
911401548761	RC650B LED40S840 PSD W60L60	Yes
911401554061	RC650B LED40S8 TWH W60L60	Yes
911401557861	RC650B LED40S9 TWH W60L60	Yes
911401580161	RC650B LED40S965 PSD W60L60	Yes

Approval and Application

Order Code	Full Product Name	Protection class IEC
911401548861	RC650B LED40S865 PSU W30L120	Safety class I
911401549061	RC650B LED40S840 PSU W30L120	Safety class I
911401549161	RC650B LED40S840 PSD W30L120	Safety class I
911401556761	RC650B LED40S940 PSD W30L120	Safety class I
911401557961	RC650B LED40S9 TWH W30L120	Safety class II
911401548461	RC650B LED40S865 PSU W60L60	Safety class I

Order Code	Full Product Name	Protection class IEC
911401548661	RC650B LED40S840 PSU W60L60	Safety class I
911401548761	RC650B LED40S840 PSD W60L60	Safety class I
911401554061	RC650B LED40S8 TWH W60L60	Safety class II
911401557861	RC650B LED40S9 TWH W60L60	Safety class II
911401580161	RC650B LED40S965 PSD W60L60	Safety class I

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Median useful life L90B50
911401548861	RC650B LED40S865 PSU W30L120	37,045 hour(s)
911401549061	RC650B LED40S840 PSU W30L120	37,045 hour(s)
911401549161	RC650B LED40S840 PSD W30L120	33,817 hour(s)
911401556761	RC650B LED40S940 PSD W30L120	33,817 hour(s)
911401557961	RC650B LED40S9 TWH W30L120	33,817 hour(s)
911401548461	RC650B LED40S865 PSU W60L60	37,045 hour(s)

Order Code	Full Product Name	Median useful life L90B50
911401548661	RC650B LED40S840 PSU W60L60	37,045 hour(s)
911401548761	RC650B LED40S840 PSD W60L60	33,817 hour(s)
911401554061	RC650B LED40S8 TWH W60L60	33,817 hour(s)
911401557861	RC650B LED40S9 TWH W60L60	33,817 hour(s)
911401580161	RC650B LED40S965 PSD W60L60	33,817 hour(s)

Application Conditions

Order Code	Full Product Name	Maximum dim level
911401548861	RC650B LED40S865 PSU W30L120	Not applicable
911401549061	RC650B LED40S840 PSU W30L120	Not applicable
911401549161	RC650B LED40S840 PSD W30L120	Programmable
911401556761	RC650B LED40S940 PSD W30L120	Programmable
911401557961	RC650B LED40S9 TWH W30L120	1%
911401548461	RC650B LED40S865 PSU W60L60	Not applicable

Order Code	Full Product Name	Maximum dim level
911401548661	RC650B LED40S840 PSU W60L60	Not applicable
911401548761	RC650B LED40S840 PSD W60L60	Programmable
911401554061	RC650B LED40S8 TWH W60L60	1%
911401557861	RC650B LED40S9 TWH W60L60	1%
911401580161	RC650B LED40S965 PSD W60L60	Programmable



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