



# 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**

- $\cdot$  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

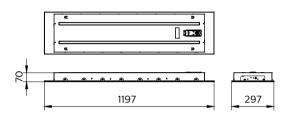
Dimming	PSU: non-dimmable
	PSD: Dimmable via Dali-broadcasting
	WIA: Wireless control, compatible with Interact
	SIA: Wireless control, compatible with Interact with SNS210
	sensor
Integrated sensors	SNS210

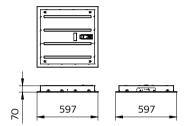
# PowerBalance G4

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

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

# Dimensional drawing





# PowerBalance G4

General Information         Driver included       Yes         Number of gear units       1 unit         Service tag       Yes         Light Technical       120 degree(s)         Beam angle of light source       120 degree(s)         Optic type       Reflector         Optic type         Line Frequency       50 or 60 Hz         Suitable for random switching       No         Mechanical and Housing         Optical cover type       Polycarbonate         Housing Color       White         Mech. impact protection code       IKO3         Ingress protection code       IP20         Approval and Application         Ambient temperature range       -20 to +40 °C         CE mark       -         Flammability mark       For mounting on normally flammable surfaces         Glow-wire test       Temperature 650 °C, duration 30 s         Initial Performance (IEC Compliant)         Initial chromaticity       SDCM<3         Luminous flux tolerance       +/-10%		
Number of gear units  Service tag  Yes  Light Technical  Beam angle of light source Optic type Reflector  Operating and Electrical Line Frequency Suitable for random switching No  Mechanical and Housing Optical cover type Polycarbonate Housing Color White Mech. impact protection code IRO3 Ingress protection code IP20  Approval and Application Ambient temperature range CE mark Yes ENEC mark Flammability mark For mounting on normally flammable surfaces Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant) Initial chromaticity SDCM<3 Luminous flux tolerance  Izo degree(s) 120 degree(s) Reflector  120 degree(s)	General Information	
Light Technical Beam angle of light source 120 degree(s) Optic type Reflector  Operating and Electrical Line Frequency 50 or 60 Hz Suitable for random switching No  Mechanical and Housing Optical cover type Polycarbonate Housing Color White Mech. impact protection code IK03 Ingress protection code IP20  Approval and Application Ambient temperature range -20 to +40 °C CE mark Yes ENEC mark - Flammability mark For mounting on normally flammable surfaces Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant) Initial chromaticity SDCM<3 Luminous flux tolerance (IEC Compliant) Over Time Performance (IEC Compliant)	Driver included	Yes
Light Technical  Beam angle of light source 120 degree(s)  Optic type Reflector  Operating and Electrical  Line Frequency 50 or 60 Hz  Suitable for random switching No  Mechanical and Housing  Optical cover type Polycarbonate  Housing Color White  Mech. impact protection code IK03  Ingress protection code IP20  Approval and Application  Ambient temperature range -20 to +40 °C  CE mark Yes  ENEC mark -  Flammability mark For mounting on normally flammable surfaces  Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant)  Initial chromaticity SDCM<3  Luminous flux tolerance (IEC Compliant)  Over Time Performance (IEC Compliant)	Number of gear units	1 unit
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Operating and Electrical  Line Frequency 50 or 60 Hz  Suitable for random switching No  Mechanical and Housing Optical cover type Polycarbonate Housing Color White Mech. impact protection code IK03 Ingress protection code IP20  Approval and Application Ambient temperature range -20 to +40 °C CE mark Yes ENEC mark - Flammability mark For mounting on normally flammable surfaces Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant) Initial chromaticity SDCM<3 Luminous flux tolerance (IEC Compliant)  Over Time Performance (IEC Compliant)	Beam angle of light source	120 degree(s)
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Line Frequency 50 or 60 Hz  Suitable for random switching No  Mechanical and Housing Optical cover type Polycarbonate Housing Color White Mech. impact protection code IK03 Ingress protection code IP20  Approval and Application Ambient temperature range -20 to +40 °C CE mark Yes ENEC mark - Flammability mark For mounting on normally flammable surfaces Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant) Initial chromaticity SDCM<3 Luminous flux tolerance (IEC Compliant) Over Time Performance (IEC Compliant)		
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Optical cover type Polycarbonate  Housing Color White  Mech. impact protection code IK03  Ingress protection code IP20  Approval and Application  Ambient temperature range -20 to +40 °C  CE mark Yes  ENEC mark - Flammability mark For mounting on normally flammable surfaces  Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant)  Initial chromaticity SDCM<3  Luminous flux tolerance (IEC Compliant)  Over Time Performance (IEC Compliant)	Suitable for random switching	No
Optical cover type Polycarbonate  Housing Color White  Mech. impact protection code IK03  Ingress protection code IP20  Approval and Application  Ambient temperature range -20 to +40 °C  CE mark Yes  ENEC mark - Flammability mark For mounting on normally flammable surfaces  Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant)  Initial chromaticity SDCM<3  Luminous flux tolerance (IEC Compliant)  Over Time Performance (IEC Compliant)		
Housing Color White  Mech. impact protection code IK03  Ingress protection code IP20  Approval and Application  Ambient temperature range -20 to +40 °C  CE mark Yes  ENEC mark -  Flammability mark For mounting on normally flammable surfaces  Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant)  Initial chromaticity SDCM<3  Luminous flux tolerance (IEC Compliant)  Over Time Performance (IEC Compliant)	Mechanical and Housing	
Mech. impact protection code IKO3 Ingress protection code IP2O  Approval and Application Ambient temperature range -20 to +40 °C CE mark Yes ENEC mark - Flammability mark For mounting on normally flammable surfaces Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant) Initial chromaticity SDCM<3 Luminous flux tolerance (IEC Compliant) Over Time Performance (IEC Compliant)	Optical cover type	Polycarbonate
Ingress protection code  Approval and Application  Ambient temperature range -20 to +40 °C  CE mark Yes  ENEC mark - Flammability mark For mounting on normally flammable surfaces  Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant)  Initial chromaticity SDCM<3  Luminous flux tolerance (IEC Compliant)  Over Time Performance (IEC Compliant)	Housing Color	White
Approval and Application  Ambient temperature range -20 to +40 °C  CE mark Yes  ENEC mark -  Flammability mark For mounting on normally flammable surfaces  Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant)  Initial chromaticity SDCM<3  Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)	Mech. impact protection code	IK03
Ambient temperature range -20 to +40 °C CE mark Yes ENEC mark - Flammability mark For mounting on normally flammable surfaces Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant) Initial chromaticity SDCM<3 Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)	Ingress protection code	IP20
Ambient temperature range -20 to +40 °C CE mark Yes ENEC mark - Flammability mark For mounting on normally flammable surfaces Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant) Initial chromaticity SDCM<3 Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)		
CE mark Yes  ENEC mark - Flammability mark For mounting on normally flammable surfaces  Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant)  Initial chromaticity SDCM<3  Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)	Approval and Application	
ENEC mark  Flammability mark  For mounting on normally flammable surfaces  Glow-wire test  Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant)  Initial chromaticity  SDCM<3  Luminous flux tolerance  +/-10%  Over Time Performance (IEC Compliant)	Ambient temperature range	-20 to +40 °C
Flammability mark For mounting on normally flammable surfaces  Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant) Initial chromaticity SDCM<3 Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)	CE mark	Yes
normally flammable surfaces  Glow-wire test  Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant)  Initial chromaticity  SDCM<3  Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)	ENEC mark	-
flammable surfaces  Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant) Initial chromaticity SDCM<3 Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)	Flammability mark	For mounting on
Surfaces  Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant) Initial chromaticity SDCM<3 Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)		normally
Glow-wire test Temperature 650 °C, duration 30 s  Initial Performance (IEC Compliant) Initial chromaticity SDCM<3 Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)		flammable
°C, duration 30 s  Initial Performance (IEC Compliant)  Initial chromaticity SDCM<3  Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)		surfaces
Initial Performance (IEC Compliant) Initial chromaticity SDCM<3 Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)	Glow-wire test	Temperature 650
Initial chromaticity SDCM<3  Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)		°C, duration 30 s
Initial chromaticity SDCM<3  Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)		
Luminous flux tolerance +/-10%  Over Time Performance (IEC Compliant)	Initial Performance (IEC Complian	nt)
Over Time Performance (IEC Compliant)	Initial chromaticity	SDCM<3
	Luminous flux tolerance	+/-10%
Median useful life L80B50 50,000 hour(s)	Over Time Performance (IEC Com	pliant)

## Light Technical

		Correlated Color	Color		
		Temperature	rendering	Luminous Efficacy	
Order Code	Full Product Name	(Nom)	index (CRI)	(rated) (Nom)	Luminous Flux
911401548861	RC650B LED40S865	6500 K	>80	142.9 lm/W	4,100 lm
	PSU W30L120				
911401549061	RC650B LED40S840	4000 K	>80	142.9 lm/W	4,100 lm
	PSU W30L120				
911401549161	RC650B LED40S840	4000 K	>80	140.4 lm/W	4,100 lm
	PSD W30L120				
911401556761	RC650B LED40S940	4000 K	>90	135.3 lm/W	3,950 lm
	PSD W30L120				
911401558361	RC650B LED40S940	4000 K	>90	135.3 lm/W	3,950 lm
	PSD W30L120 CAU				
911401548461	RC650B LED40S865	6500 K	>80	142.9 lm/W	4,100 lm
	PSU W60L60				
911401548661	RC650B LED40S840	4000 K	>80	142.9 lm/W	4,100 lm
	PSU W60L60				
911401548761	RC650B LED40S840	4000 K	>80	140.4 lm/W	4,100 lm
	PSD W60L60				
911401549761	RC650B LED40S840	4000 K	>80	138.7 lm/W	4,855 lm
	PSU W60L60 TWN				
911401554061	RC650B LED40S8 TWH	-	>80	136.7 lm/W	4,100 lm
	W60L60				
911401558161	RC650B LED40S940	4000 K	>90	135.3 lm/W	3,950 lm
	PSD W60L60 CAU				
911401580161	RC650B LED40S965	6500 K	>90	135.3 lm/W	3,950 lm
	PSD W60L60				

# Operating and Electrical

		Protection class		Power			Protection class		Power
Order Code	Full Product Name	IEC	Input Voltage	Consumption	Order Code	Full Product Name	IEC	Input Voltage	Consumptio
911401548861	RC650B	Safety class I	220 to 240 V	28.7 W	911401558361	RC650B	Safety class I	220 to 240 V	29.2 W
	LED40S865 PSU					LED40S940 PSD			
	W30L120					W30L120 CAU			
911401549061	RC650B	Safety class I	220 to 240 V	28.7 W	911401548461	RC650B	Safety class I	220 to 240 V	28.7 W
	LED40S840 PSU					LED40S865 PSU			
	W30L120					W60L60			
911401549161	RC650B	Safety class I	220 to 240 V	29.2 W	911401548661	RC650B	Safety class I	220 to 240 V	28.7 W
	LED40S840 PSD					LED40S840 PSU			
	W30L120					W60L60			
911401556761	RC650B	Safety class I	220 to 240 V	29.2 W	911401548761	RC650B	Safety class I	220 to 240 V	29.2 W
	LED40S940 PSD					LED40S840 PSD			
	W30L120					W60L60			

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		Protection class		Power
Order Code	Full Product Name	IEC	Input Voltage	Consumption
911401549761	RC650B	Safety class I	100 to 277 V	35 W
	LED40S840 PSU			
	W60L60 TWN			
911401554061	RC650B LED40S8	Safety class II	220 to 240 V	30 W
	TWH W60L60			
911401558161	RC650B	Safety class I	220 to 240 V	29.2 W
	LED40S940 PSD			
	W60160 CALL			

		Protection class		Power
Order Code	Full Product Name	IEC	Input Voltage	Consumption
911401580161	RC650B	Safety class I	220 to 240 V	29.2 W
	LED40S965 PSD			
	W60L60			

## **Controls and Dimming**

Order Code	Full Product Name	Dimmable	Maximum dim level
911401548861	RC650B LED40S865 PSU W30L120	No	Not applicable
911401549061	RC650B LED40S840 PSU W30L120	No	Not applicable
911401549161	RC650B LED40S840 PSD W30L120	Yes	Programmable
911401556761	RC650B LED40S940 PSD W30L120	Yes	Programmable
911401558361	RC650B LED40S940 PSD W30L120	Yes	Programmable
	CAU		
911401548461	RC650B LED40S865 PSU W60L60	No	Not applicable
911401548661	RC650B LED40S840 PSU W60L60	No	Not applicable

Order Code	Full Product Name	Dimmable	Maximum dim level
911401548761	RC650B LED40S840 PSD W60L60	Yes	Programmable
911401549761	RC650B LED40S840 PSU W60L60	No	Not applicable
	TWN		
911401554061	RC650B LED40S8 TWH W60L60	Yes	1%
911401558161	RC650B LED40S940 PSD W60L60	Yes	Programmable
	CAU		
911401580161	RC650B LED40S965 PSD W60L60	Yes	Programmable

## 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)
911401558361	RC650B LED40S940 PSD W30L120 CAU	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)
911401549761	RC650B LED40S840 PSU W60L60 TWN	37,045 hour(s)
911401554061	RC650B LED40S8 TWH W60L60	33,817 hour(s)
911401558161	RC650B LED40S940 PSD W60L60 CAU	33,817 hour(s)
911401580161	RC650B LED40S965 PSD W60L60	33,817 hour(s)

