



# GreenPerform ultra efficient panel RC199B

### RC199V LED54/840 PSU W60L120 OC UE

GreenPerform ultra efficient panel RC199B, 160 lm/W, 840 neutral white, Fixed Output

GreenPerform ultra efficient panel is a direct lit panel with up to 170lm/w system efficacy (PSU driver) in the market. It offers 3 typical dimensions: 600x600; 300x1200 and 600x1200mm to fit most of indoor applications. Interact system option and Dali interface are available for wide option for system connection. Its lower UGR offers better visual comfort as well.

#### **Product data**

General Information	
Number of gear units	1 unit
Gear	-
Driver included	Yes
Light source engine type	LED
Light Technical	
Luminous Flux	5,400 lm
Luminous Efficacy (rated) (Nom)	160 lm/W
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	90
Number of light sources	144
Light source color	840 neutral white

Optic type	Beam angle 100°
Optical cover type	PS
Unified glare rating CEN	19
Operating and Electrical	
Input Voltage	200 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	39 A
Inrush time	210 ms
Power Consumption	33 W
Power Factor (Fraction)	0.9
Connection	-

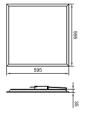
Datasheet, 2024, September 6 data subject to change

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Ambient temperature range  -20 to +45 °C  Controls and Dimming  Dimmable  DALI  Control interface  Fixed Output  Mechanical and Housing  Housing Material  Optic material  Polystyrene  Optical cover material  Housing Color  White RAL 9003  Mounting device  Optical cover finish  Overall length  Overall width  Overall height  Overall diameter  Dimensions (Height x Width x Depth)  Approval and Application  Ingress protection code  Mech. impact protection code  Protection class IEC  DALI  DALI  DALI  DALI  Sixed Output  Aluminum extruded  Doutput  Aluminum extruded  Doutput  Divistyrene  Dolystyrene  Diploystyrene  Dip	Number of products on MCB of 16 A type B 15		
Controls and Dimming Dimmable DALI Control interface Fixed Output  Mechanical and Housing Housing Material Optic material Optical cover material Housing Color White RAL 9003 Mounting device Optical cover finish Diamond Overall length S95 mm Overall width S95 mm Overall diameter Dimensions (Height x Width x Depth)  Approval and Application Ingress protection code IP20/40 [Finger-protected;Wire-protected] Mech. impact protection code IRO2 [0.2 J standard] Protection class IEC  Safety class II	Temperature		
Dimmable Control interface Fixed Output  Mechanical and Housing Housing Material Optic material Optical cover material Housing Color White RAL 9003 Mounting device Optical cover finish Diamond Overall length S95 mm Overall width S95 mm Overall height S95 mm Overall diameter Dimensions (Height x Width x Depth) Systymene  Approval and Application Ingress protection code IP20/40 [Finger-protected;Wire-protected] Mech. impact protection code IRO2 [0.2 J standard] Protection class IEC Safety class II	Ambient temperature range	-20 to +45 °C	
Dimmable Control interface Fixed Output  Mechanical and Housing Housing Material Optic material Optical cover material Housing Color White RAL 9003 Mounting device Optical cover finish Diamond Overall length S95 mm Overall width S95 mm Overall height S95 mm Overall diameter Dimensions (Height x Width x Depth) Systymene  Approval and Application Ingress protection code IP20/40 [Finger-protected;Wire-protected] Mech. impact protection code IRO2 [0.2 J standard] Protection class IEC Safety class II	Controls and Dimming		
Mechanical and Housing Housing Material Aluminum extruded Optic material Polystyrene Optical cover material Polystyrene Housing Color White RAL 9003 Mounting device - Optical cover finish Diamond Overall length 595 mm Overall width 595 mm Overall height 35 mm Overall diameter 595 mm Dimensions (Height x Width x Depth) 35 x 595 x 595 mm  Approval and Application Ingress protection code IP20/40 [Finger-protected;Wire-protected] Mech. impact protection code IKO2 [0.2 J standard] Protection class IEC Safety class II		DALL	
Mechanical and Housing Housing Material Aluminum extruded Optic material Polystyrene Optical cover material Polystyrene Housing Color White RAL 9003 Mounting device - Optical cover finish Diamond Overall length 595 mm Overall width 595 mm Overall height 35 mm Overall diameter 595 mm Dimensions (Height x Width x Depth) 35 x 595 x 595 mm  Approval and Application Ingress protection code IP20/40 [Finger-protected;Wire-protected] Mech. impact protection code IK02 [0.2 J standard] Protection class IEC Safety class II			
Housing Material Optic material Optic material Optical cover material Housing Color White RAL 9003  Mounting device - Optical cover finish Diamond Overall length 595 mm Overall width 595 mm Overall diameter 595 mm Overall diameter 595 mm  Overall diameter 595 mm  Overall diameter Dimensions (Height x Width x Depth)  Approval and Application Ingress protection code IP20/40 [Finger-protected:Wire-protected] Mech. impact protection code IK02 [0.2 J standard] Protection class IEC Safety class II	Control interface	Fixed Output	
Optic material Polystyrene Optical cover material Polystyrene Housing Color White RAL 9003  Mounting device - Optical cover finish Diamond Overall length 595 mm Overall width 595 mm Overall height 35 mm Overall diameter 595 mm Dimensions (Height x Width x Depth) 35 x 595 x 595 mm  Approval and Application Ingress protection code IP20/40 [Finger-protected;Wire-protected] Mech. impact protection code IK02 [0.2 J standard] Protection class IEC Safety class II	Mechanical and Housing		
Optical cover material Polystyrene  Housing Color White RAL 9003  Mounting device - Optical cover finish Diamond Overall length 595 mm Overall width 595 mm Overall height 35 mm Overall diameter 595 mm  Dimensions (Height x Width x Depth) 35 x 595 x 595 mm  Approval and Application Ingress protection code IP20/40 [Finger-protected;Wire-protected] Mech. impact protection code IK02 [0.2 J standard] Protection class IEC Safety class II	Housing Material	Aluminum extruded	
Housing Color White RAL 9003  Mounting device - Optical cover finish Diamond Overall length 595 mm Overall width 595 mm Overall diameter 595 mm  Overall diameter 595 mm  Dimensions (Height x Width x Depth) 35 x 595 x 595 mm  Approval and Application Ingress protection code IP20/40 [Finger-protected;Wire-protected] Mech. impact protection code IK02 [0.2 J standard] Protection class IEC Safety class II	Optic material	Polystyrene	
Mounting device  Optical cover finish Diamond Overall length 595 mm Overall width 595 mm Overall diameter 595 mm Overall diameter 595 mm  Dimensions (Height x Width x Depth) 35 x 595 x 595 mm  Approval and Application Ingress protection code IP20/40 [Finger-protected;Wire-protected] Mech. impact protection code IK02 [0.2 J standard] Protection class IEC Safety class II	Optical cover material	Polystyrene	
Optical cover finish  Overall length  Overall width  Overall height  Overall diameter  Dimensions (Height x Width x Depth)  Approval and Application  Ingress protection code  Mech. impact protection code  Protection class IEC  Diamond  Diamond  S95 mm  35 mm  35 x 595 x 595 mm  IP20/40 [Finger-protected:Wire-protected]  K02 [0.2 J standard]  Safety class II	Housing Color	White RAL 9003	
Overall length 595 mm Overall width 595 mm Overall height 35 mm Overall diameter 595 mm Dimensions (Height x Width x Depth) 35 x 595 x 595 mm  Approval and Application Ingress protection code IP20/40 [Finger-protected;Wire-protected] Mech. impact protection code IK02 [0.2 J standard] Protection class IEC Safety class II	Mounting device	-	
Overall width 595 mm Overall height 35 mm Overall diameter 595 mm  Dimensions (Height x Width x Depth) 35 x 595 x 595 mm  Approval and Application Ingress protection code IP20/40 [Finger-protected;Wire-protected] Mech. impact protection code IK02 [0.2 J standard] Protection class IEC Safety class II	Optical cover finish	Diamond	
Overall height 35 mm Overall diameter 595 mm  Dimensions (Height x Width x Depth) 35 x 595 x 595 mm  Approval and Application Ingress protection code IP20/40 [Finger-protected;Wire-protected] Mech. impact protection code IK02 [0.2 J standard] Protection class IEC Safety class II	Overall length	595 mm	
Overall diameter 595 mm  Dimensions (Height x Width x Depth) 35 x 595 x 595 mm  Approval and Application Ingress protection code IP20/40 [Finger-protected;Wire-protected]  Mech. impact protection code IK02 [0.2 J standard]  Protection class IEC Safety class II	Overall width	595 mm	
Approval and Application  Ingress protection code  Mech. impact protection code  Protection class IEC  ISSUE SET SET SET SET SET SET SET SET SET SE	Overall height	35 mm	
Approval and Application  Ingress protection code IP20/40 [Finger-protected;Wire-protected]  Mech. impact protection code IK02 [0.2 J standard]  Protection class IEC Safety class II	Overall diameter	595 mm	
Ingress protection code IP20/40 [Finger-protected;Wire-protected]  Mech. impact protection code IK02 [0.2 J standard]  Protection class IEC Safety class II	Dimensions (Height x Width x Depth)	35 x 595 x 595 mm	
Ingress protection code IP20/40 [Finger-protected;Wire-protected]  Mech. impact protection code IK02 [0.2 J standard]  Protection class IEC Safety class II			
Mech. impact protection code IKO2 [0.2 J standard]  Protection class IEC Safety class II	Approval and Application		
Protection class IEC Safety class II	Ingress protection code	IP20/40 [Finger-protected;Wire-protected]	
	Mech. impact protection code	IK02 [0.2 J standard]	
Glow-wire test Temperature 650 °C, duration 30 s	Protection class IEC	Safety class II	
	Glow-wire test	Temperature 650 °C, duration 30 s	

Flammability mark	-
CE mark	CE mark
ENEC mark	-
Warranty period	3 years
Photobiological risk	Photobiological risk group 0 @200mm to
	EN62778
EU RoHS compliant	Yes
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	0% (digital)
Suitable for random switching	Not applicable
Product Data	
Order product name	RC199V LED54/840 PSU W60L120 OC UE
Full product name	RC199V LED54/840 PSU W60L120 OC UE
Order code	911401546544
Material Nr. (12NC)	911401546544
Numerator - Quantity Per Pack	1
Net Weight (Piece)	3.300 kg
Numerator - Packs per outer box	2

# Dimensional drawing



## GreenPerform ultra efficient panel RC199B



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