PHILIPS

Lighting

When light addresses the needs of cleanroom

GreenPerform cleanroom recessed

GreenPerform cleanroom recessed is a family of cleanroom luminaires offering an energy efficient, long lasting and reliable lighting solutions for specialized applications. This family is designed for providing illumination for application areas in semiconductor industries, pharmaceutical industries, etc. GreenPerform cleanroom recessed family provides a lighting solution with excellent energy performance, long reliable lifetime, well protected against ingress of dust and moisture while contributing to a healthy and comfortable working environment.

Benefits

- Higher energy saving possible with max. 110lm/w system efficacy
- Multiple applications possible with rear or front open design
- Reliable performance guaranteed with high ingress protection from housing front side

Features

- System efficacy upto 110lm/w
- Options of rear open or front open design for driver maintenance purpose
- IP65 for housing front side ingress protection and IP40 for the housing back side ingress protection

Application

- Pharmaceutical
- Electronics

Specifications

GreenPerform cleanroom recessed

Mounting type	Recessed
Operating Temperature range	-20 to +35 ºC
Light Source	LED
Mains Voltage	220-240V / 50-60Hz
Dimming	PSU
	PSD (optional)
Material	sheet steel
Main color of the luminaire	WH: RAL9003
Lumen maintenance at median useful life 50.000h	L70B50
Luminous flux	3500lm
	5500lm

Power consumption	31W
	52W
Luminaire efficacy	Typical 105lm/W, 110lm/W
Correlated color temperature - CCT	4000K/6500K
Color Rendering index - CRI	80
Optical cover/lens finish	Opal
Protection Class IEC61140	Safety class I
Ingress protection	IP65 (Front) / IP40 (Rear)

Product details

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General Information	
Service tag	Yes
Light Technical	
Color rendering index (CRI)	>80
Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Optical cover type	Polycarbonate
Housing Color	White RAL 9003
Mech. impact protection code	IK03
Ingress protection code	IP40
Approval and Application	
Ambient temperature range	+20 to +35 °C
CE mark	Yes
Flammability mark	-
Initial Performance (IEC Compliant)	
Initial chromaticity	5
Luminous flux tolerance	+/-10%

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401879599	CR467B LED35/CW PSU W30L120	6500 K	113 lm/W	3,500 lm
911401879699	CR467B LED55/NW PSU W30L120	4000 K	106 lm/W	5,500 lm
911401879799	CR467B LED55/CW PSU W30L120	6500 K	106 lm/W	5,500 lm
911401880399	CR468B LED35/CW PSU W30L120	6500 K	113 lm/W	3,500 lm
911401880499	CR468B LED55/NW PSU W30L120	4000 K	106 lm/W	5,500 lm
911401879099	CR467B LED35/NW PSU W60L60	4000 K	113 lm/W	3,500 lm
911401879199	CR467B LED35/CW PSU W60L60	6500 K	113 lm/W	3,500 lm
911401879299	CR467B LED55/NW PSU W60L60	4000 K	106 lm/W	5,500 lm
911401879899	CR468B LED35/NW PSU W60L60	4000 K	113 lm/W	3,500 lm
911401879999	CR468B LED35/CW PSU W60L60	6500 K	113 lm/W	3,500 lm
911401880099	CR468B LED55/NW PSU W60L60	4000 K	106 lm/W	5,500 lm
911401880199	CR468B LED55/CW PSU W60L60	6500 K	106 lm/W	5,500 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401879599	CR467B LED35/CW PSU W30L120	31 W
911401879699	CR467B LED55/NW PSU W30L120	52 W
911401879799	CR467B LED55/CW PSU W30L120	52 W
911401880399	CR468B LED35/CW PSU W30L120	31 W
911401880499	CR468B LED55/NW PSU W30L120	52 W
911401879099	CR467B LED35/NW PSU W60L60	31 W

Order Code	Full Product Name	Power Consumption
911401879199	CR467B LED35/CW PSU W60L60	31 W
911401879299	CR467B LED55/NW PSU W60L60	52 W
911401879899	CR468B LED35/NW PSU W60L60	31 W
911401879999	CR468B LED35/CW PSU W60L60	31 W
911401880099	CR468B LED55/NW PSU W60L60	52 W
911401880199	CR468B LED55/CW PSU W60L60	52 W

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