Greenperform Cleanroom Teardrop G2, provide you a safe, reliable, comfortable cleanroom lighting experience.

Greenperform Cleanroom Teardrop G2

Greenperform Cleanroom Teardrop G2 is an optimized cleanroom lighting fixture. With its slim, compact and smooth housing design, Teardrop G2 maximally avoids dust attached in cleanroom application, and can meet the classification 10 ~1000. CR388C series products also provide excellent lighting quality, substantial energy saving and reliable quality of maintenance free. Both white and yellow lighting solutions are available, Teardrop G2 is your excellent option for both new projects and retrofit projects.

Benefits
- – Compact, slim, robust housing, avoid the dust attaching
- – soft, unifom lighting output, low flicking, friendly to human eyes
- – long lifetime, low energy consumption, delivers energy saving and set you free from product maintenance
- – Easy installation, saving your labor cost
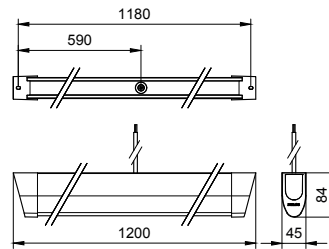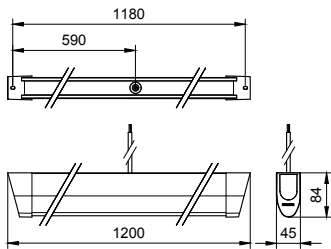
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Features

- IP40, IK03, dural extrusion housing, cleanroom classification 10 – 1000
- CRI>80, SDCM<5, anti UV Polycarbonate optical diffuser
- 50K hours lifetime @ L70B50
- Surface& ceiling installation, track kits available for T–bar installation

Application

- Integrated circuit (VLS) manufacturing
- Fine mechanical components, aviation instruments, hydraulic parts
- Critical optical devices, optical discs
- Beverage, Aseptic filling (juice, custards)
- Food, Pharmaceutical industry
- Semiconductor manufacturing/ assembly
- etc.

Dimensional drawing

Product details

CR388C Detail Photo

Greenperform Cleanroom Teardrop G2

General Information

Driver included	Yes
Light source replaceable	No
Number of gear units	1 unit

Light Technical

Optic type	Symmetrical

Operating and Electrical

Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz

Mechanical and Housing

Optical cover type	Polycarbonate
Housing Color	White
Mech. impact protection code	IK03
Ingress protection code	IP40

Approval and Application

Ambient temperature range	0 to +35 °C
CE mark	No
ENEC mark	–
Flammability mark	–
Glow-wire test	Temperature 750 °C, duration 5 s

Initial Performance (IEC Compliant)

Initial chromaticity	SDCM<5
Luminous flux tolerance	+/-10%

Light Technical (1/2)

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
911401516941	CR388C LED20 Amber L120 PSU	–	–	–	105 lm/W
911401519141	CR388C LED20 Amber L120 PSU EN	– degree(s)	–	–	105 lm/W
911401516441	CR388C LED20 CW L120 PSU	–	6500 K	>80	125 lm/W
911401516541	CR388C LED40 NW L120 PSU	–	4000 K	>80	120 lm/W
911401516641	CR388C LED40 CW L120 PSU	–	6500 K	>80	120 lm/W
911401516741	CR388C LED40 NW L120 PSD	–	4000 K	>80	190 lm/W
911401519041	CR388C LED40 CW L120 PSU EN	– degree(s)	6500 K	>80	120 lm/W

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux
911401516941	CR388C LED20 Amber L120 PSU	2,200 lm
911401519141	CR388C LED20 Amber L120 PSU EN	2,200 lm
911401516441	CR388C LED20 CW L120 PSU	2,000 lm
911401516541	CR388C LED40 NW L120 PSU	3,900 lm

Order Code	Full Product Name	Luminous Flux
911401516641	CR388C LED40 CW L120 PSU	3,900 lm
911401516741	CR388C LED40 NW L120 PSD	4,500 lm
911401519041	CR388C LED40 CW L120 PSU EN	3,900 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401516941	CR388C LED20 Amber L120 PSU	21 W
911401519141	CR388C LED20 Amber L120 PSU EN	21 W
911401516441	CR388C LED20 CW L120 PSU	16 W
911401516541	CR388C LED40 NW L120 PSU	32 W

Order Code	Full Product Name	Power Consumption
911401516641	CR388C LED40 CW L120 PSU	32 W
911401516741	CR388C LED40 NW L120 PSD	39 W
911401519041	CR388C LED40 CW L120 PSU EN	32 W

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
911401516941	CR388C LED20 Amber L120 PSU	No	Not applicable
911401519141	CR388C LED20 Amber L120 PSU EN	No	Not applicable

Order Code	Full Product Name	Dimmable	Maximum dim level
911401516441	CR388C LED20 CW L120 PSU	No	Not applicable
911401516541	CR388C LED40 NW L120 PSU	No	Not applicable

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Order Code	Full Product Name	Dimmable	Maximum dim level
911401516641	CR388C LED40 CW L120 PSU	No	Not applicable
911401516741	CR388C LED40 NW L120 PSD	Yes	1%

Order Code	Full Product Name	Dimmable	Maximum dim level
911401519041	CR388C LED40 CW L120 PSU EN	No	Not applicable

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Median useful life L80B50	Median useful life L90B50
911401516941	CR388C LED20 Amber L120 PSU	45,000 hour(s)	40,000 hour(s)
911401519141	CR388C LED20 Amber L120 PSU EN	45,000 hour(s)	40,000 hour(s)
911401516441	CR388C LED20 CW L120 PSU	45,000 hour(s)	40,000 hour(s)

Order Code	Full Product Name	Median useful life L80B50	Median useful life L90B50
911401516541	CR388C LED40 NW L120 PSU	–	–
911401516641	CR388C LED40 CW L120 PSU	45,000 hour(s)	40,000 hour(s)
911401516741	CR388C LED40 NW L120 PSD	45,000 hour(s)	40,000 hour(s)
911401519041	CR388C LED40 CW L120 PSU EN	45,000 hour(s)	40,000 hour(s)

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2024, December 9 – data subject to change