![Philips Lighting logo]

# 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

# Greenperform Cleanroom Teardrop G2

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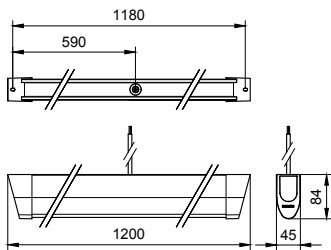· Surface& ceiling installation, track kits available for T–bar installation

## 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.

## Versions



**CR388C Normal**

## Dimensional drawing

# Greenperform Cleanroom Teardrop G2

## Product details



**CR388C Detail Photo**

### General Information

| | |
|---|---|
| **Driver included** | Yes |
| **ENEC mark** | – |
| **Flammability mark** | – |
| **Glow-wire test** | Temperature 750 °C, duration 5 s |
| **Light source replaceable** | No |
| **Number of gear units** | 1 unit |

### Light Technical

| | |
|---|---|
| **Optical cover type** | Polycarbonate |
| **Color rendering index (CRI)** | >80 |
| **Optic type** | Symmetrical |

### Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |

### Temperature

| | |
|---|---|
| **Ambient temperature range** | 0 to +35 ℃ |

### Mechanical and Housing

| | |
|---|---|
| **Housing Color** | White |

### Approval and Application

| | |
|---|---|
| **Protection class IEC** | Safety class I |
| **Mech. impact protection code** | IK03 |
| **Ingress protection code** | IP40 |

### Initial Performance (IEC Compliant)

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

### Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Median useful life L80B50** | 45,000 hour(s) |
| **Median useful life L90B50** | 40,000 hour(s) |

### General Information

| Order Code | Full Product Name | CE mark |
|---|---|---|
| 911401516741 | CR388C LED40 NW L120 PSD | – |
| 911401519041 | CR388C LED40 CW L120 PSU EN | CE mark |

## Light Technical

# Greenperform Cleanroom Teardrop G2

| Order Code | Full Product Name | Beam angle of light source | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|---|---|---|---|---|---|
| 911401516741 | CR388C LED40 NW L120 PSD | – | 4000 K | 190 lm/W | 4,500 lm |

| Order Code | Full Product Name | Beam angle of light source | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|---|---|---|---|---|---|
| 911401519041 | CR388C LED40 CW L120 PSU EN | – degree(s) | 6500 K | 120 lm/W | 3,900 lm |

## Operating and Electrical

| Order Code | Full Product Name | Power Consumption |
|---|---|---|
| 911401516741 | CR388C LED40 NW L120 PSD | 39 W |

| Order Code | Full Product Name | Power Consumption |
|---|---|---|
| 911401519041 | CR388C LED40 CW L120 PSU EN | 32 W |

## Controls and Dimming

| Order Code | Full Product Name | Dimmable |
|---|---|---|
| 911401516741 | CR388C LED40 NW L120 PSD | Yes |

| Order Code | Full Product Name | Dimmable |
|---|---|---|
| 911401519041 | CR388C LED40 CW L120 PSU EN | No |

## Application Conditions

| Order Code | Full Product Name | Maximum dim level |
|---|---|---|
| 911401516741 | CR388C LED40 NW L120 PSD | 1% |

| Order Code | Full Product Name | Maximum dim level |
|---|---|---|
| 911401519041 | CR388C LED40 CW L120 PSU EN | Not applicable |