

**NEW!**

# LLUB (Long life Ultra Bright) White led Backlight 160x120


LESS THAN 20% LUMINANCE LOSS AFTER 100 000 HOURS (\*)  
LESS THAN 10% CHROMATICITY SHIFT AFTER 100 000 HOURS (\*)

PHLOX - LEDW - BL - 160x120 - LLUB - Q - 1R - 24V

## Illumination

|                            |                                           |
|----------------------------|-------------------------------------------|
| Luminance minimum          | ≥20 000 cd/m <sup>2</sup> continuous mode |
| Uniformity minimum         | ≥95% (+/- 10%)                            |
| Source Type                | White LED                                 |
| Colour Temperature         | 5000°K (+/-1000)                          |
| Light Angular Distribution | 30° 1/2 angle                             |
| Expected Life              | > 100 000 hours                           |

## Electrical

|               |                                                                                     |
|---------------|-------------------------------------------------------------------------------------|
| Input Voltage | 24 VDC (continuous mode)                                                            |
| Input Current | ≤700 mA (continuous mode)                                                           |
| Cable length  | 2 M – Ø 2.7 mm (6.56 ft – Ø 0.10")                                                  |
| Connector     | None                                                                                |
| Cable pinout  |  |
| CE Conformity | Yes                                                                                 |
| Strobe mode   | Max. Cur: 2.8A / Pulse Width: 10ms / Duty Ratio: 1/10                               |

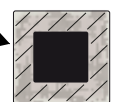
## Outer unit

|                  |                                                                           |
|------------------|---------------------------------------------------------------------------|
| L x W x H        | 200 x 154 x 8.5 mm (7.87 x 6.06 x 0.334")                                 |
| Housing Material | Black Anodized Aluminium                                                  |
| Weight           | 400 g (14.11 oz)                                                          |
| Mounting         | 4 bore holes (D8 for the first 3.5 mm of height, D4 for the other 5.5 mm) |

## Environmental

|                         |                                 |
|-------------------------|---------------------------------|
| Max. Operating Humidity | 95% non-condensing              |
| Operating Temperature   | 50°C (122°F) max                |
| Storage Temperature     | 60°C (140°F) max                |
| Shelf life              | 12 months from date of purchase |
| Max.temp.on housing     | +80°C (+176°F)                  |

area of temperature measurement  
30mm all along the edges of the back of  
the black anodized aluminium housing  
(see image)



Do not cover the backlight when it's switched on.

## Accessories

**Power supply:** 110V and 220V  
Product key: OMRON-LED-PS-108x100x40-24V

## « Strobe » Control Module

GARDASOFT RT Series Led Lighting Controllers  
You can find the nearest distributor on  
<http://www.gardasoft.com/distributors.php?id=2>

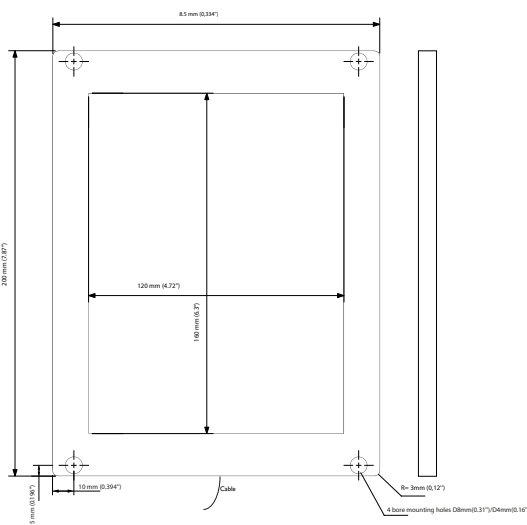
CLASS 0: NO RISK (CIE S2009:2002/NF EN 62471)

**RoHS** directive compliant

Each PHLOX Backlight is provided with:

- 24 months warranty
- Certificate of uniformity and luminance
- Seal of quality on the back

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LLUB Backlights by PHLOX® offer the best life cycle, the best chromaticity stability and the best luminance on the market, all in an ultra compact and IP-65 body. PHLOX® is the only manufacturer to provide uniformity and luminance datas on the quality control seal positioned at the back of every backlight.

## DESIGNED

### FOR YOUR APPLICATION

Bottle inspection (glass and plastic)  
Particle measurement  
Picture digitalization  
Dimensional control  
Shaping control  
Quality control with transparency.

## & YOUR INDUSTRIAL SECTOR

Glassmaking  
Pharmaceutical/Cosmetics  
Automotive  
Agribusiness  
Electronics  
Aeronautics and space.