

## NEW GENERATION!

- Higher luminance
- Lower consumption
- Longer life cycle

# High Bright RGB led Backlight 100x100

PHLOX - LEDRGB - BL - 100x100 - S - Q - 1R - 24V

### Illumination

Luminance minimum  
Uniformity minimum  
Source Type  
Colour Temperature  
Light Angular Distribution  
Expected Life

**R: 3000; G: 6000; B: 600; W: 10 000 cd/m<sup>2</sup> continuous mode**  
**≥95% (+/- 10%)**  
 RGB LED  
 Red: 630; Green: 520; Blue: 460 nm  
 30° 1/2 angle  
**50 000 hours**

### Electrical

Input Voltage  
Input Current  
Cable length  
Connector  
Cable pinout  
CE Conformity  
Strobe mode

24 VDC (continuous mode)  
 Red: 150; Green: 170; Blue: 80; W: 400 mA (continuous mode)  
 2 M ( PTFE color)  
 None  
 White: 24VDC; Red, Green, Blue: ground  
 Yes  
 Max. Cur: Red: 0.6; Green: 0.68; Blue: 0.32; White: 1.6A  
 Pulse Width: 10ms / Duty Ratio: 1/10

### Outer unit

L x W x H  
Housing Material  
Weight  
Mounting

140 x 134 x 8.5 mm (5.51 x 5.28 x 0.334")  
 Black Anodized Aluminium  
 400 g (14.1 oz)  
 4 bore holes (D8 for the first 3.5 mm of height,  
 D4 for the other 5.5 mm)

### Environmental

Max. Operating Humidity  
Operating Temperature  
Storage Temperature  
Shelf life  
Max.temp.on housing

95% non-condensing  
 50°C (122°F) max  
 60°C (140°F) max  
 12 months from date of purchase  
 +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 PP420 or PP820 Series Led Lighting Controllers  
 You can find the nearest distributor on  
<http://www.gardasoft.com/LED-Controllers/RT-PP/>

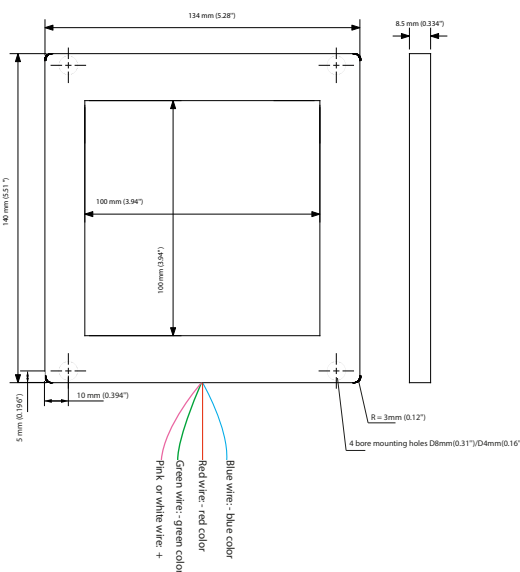
CLASS 0: NO RISK (CIE S2009:2002/NF EN 62471)

**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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High Bright RGB led 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.