

Manufacturer	Source colour	Light Output Area/Length	Injection process	Input voltage
PHLOX	- LEDRGB	- BL - 50x50	- LLUB	- Q - 1R - 24V
Source type	Product type	Range	Number of light sources' rows per cicu	

PHLOX® EXCLUSIVE LIGHT PROCESS  
WORLDWIDE PATENT ISSUED

## NEW GENERATION!

- Higher luminance
- Lower consumption
- Longer life cycle

# High Bright RGB led Backlight 50x50

PHLOX - LEDRGB - BL - 50x50 - LLUB - Q - 1R - 24V

### Illumination

Luminance minimum	<b>R: 7500; G: 20000; B: 1100; W:29000 cd/m<sup>2</sup> continuous mode</b>
Uniformity minimum	<b>≥95% (+/- 10%)</b>
Source Type	RGB LED
Wavelength	Red: 630; Green: 520; Blue:460 nm. +/-2%
Colour Temperature	White : 5700° K (+/-1000)
Light Angular Distribution	30° 1/2 angle
Expected Life	<b>20 000 hours</b>

Scan for DS  
and 3D Files !



### Electrical

Input Voltage	24 VDC (continuous mode)
Input Current	Red: 125; Green: 152; Blue: 30; W:300mA (continuous mode)
Cable length	2 M ( PTFE color)
Connector	None
Cable pinout	White: 24VDC; Red, Green, Blue: ground
CE Conformity	Yes
Strobe mode	Max. Cur: Red: 0.4; Green: 0.4; Blue: 0.16; White: 0.96 A Pulse Width: 10ms / Duty Ratio: 1/10

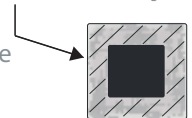
### Outer unit

L x W x H	90 x 85 x 8.5 mm (3.54 x 3.35 x 0.334")
Housing Material	Black Anodized Aluminium
Weight	120 g (4.2 oz)
Mounting	4 bore holes (D8 for the first 3.5 mm of height, D4 for the other 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

**LED Dimmer:** 28V-5A very compact and easy to use  
Product key: PHLOX DIM LIGHT



**Power supply:** 110V and 220V  
Product key: ALIM-24V-2.5A60WEU or ALIM-24V-2.5A60WUS

**LED Strober:**28V - 5A (up to 40A in pulse mode)  
Pulse width between 2µs and 10ms  
Product key: PHLOX STROBE LIGHT



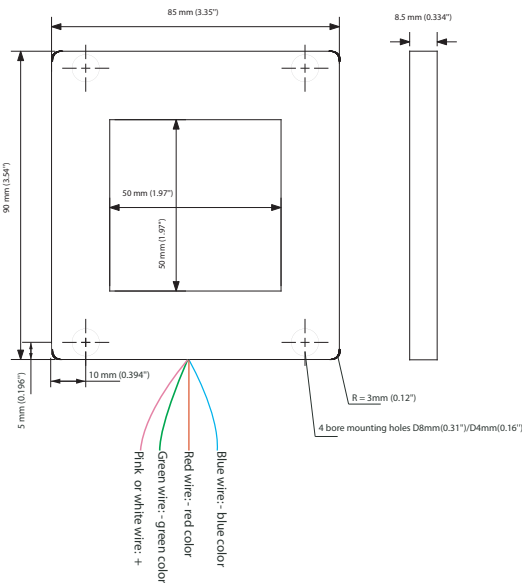
CLASS 0: NO RISK (CIE S2009:2002/NF EN 62471)

**RoHS** directive compliant

Each PHLOX Backlight is provided with:

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

November 10, 2021



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 a compact and **IP-43 body\***. PHLOX® is the only manufacturer to provide uniformity and luminance data on the quality control seal positioned at the back of every backlight. \*IP-65 in option.

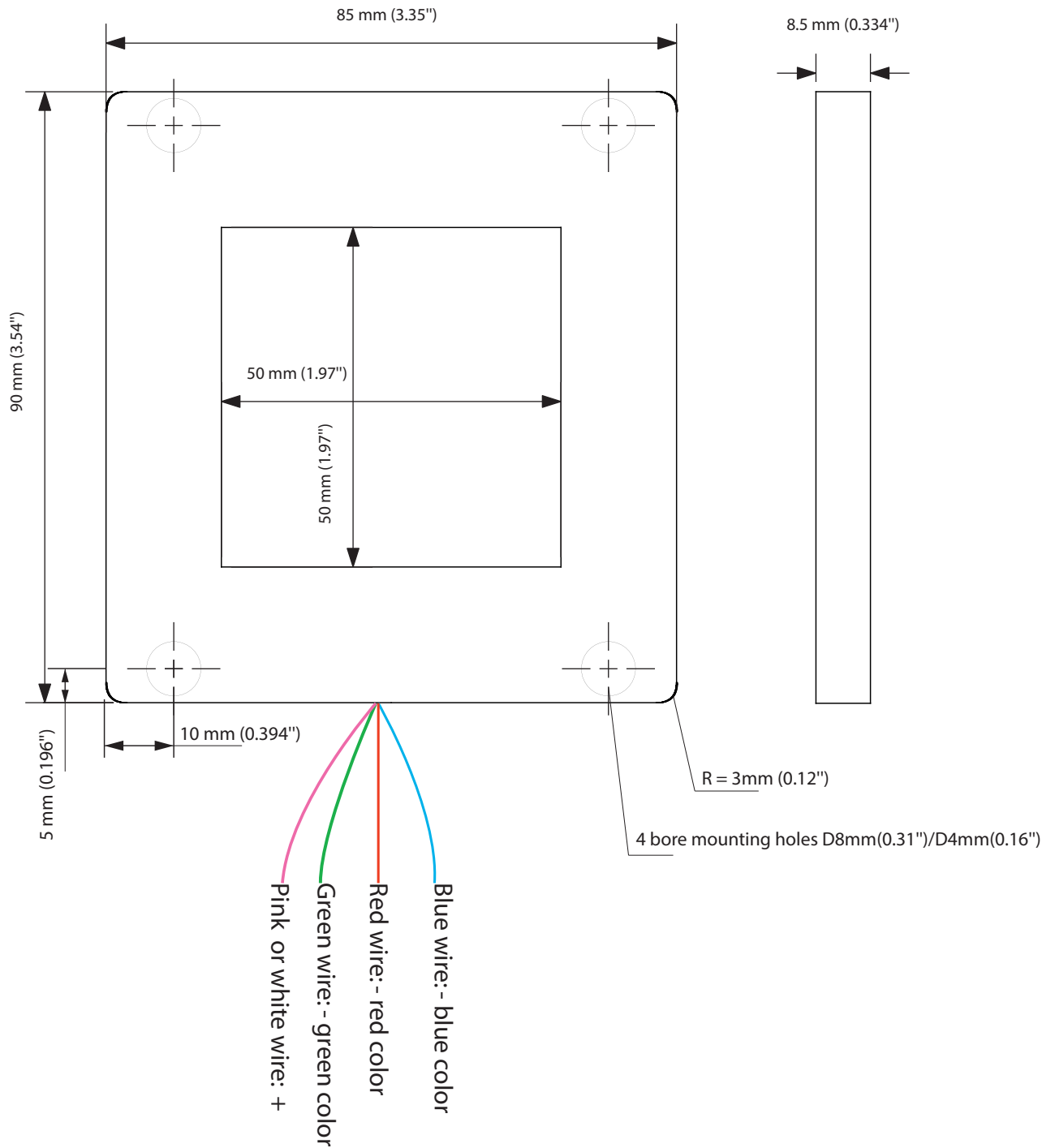
### DESIGNED

#### 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.



PROPRIÉTÉ DE PHLOX SA- REPRODUCTION INTERDITE SAUF ACCORD ÉCRIT

PHLOX-LEDRGB-BL-50X50-LLUB-Q-1R-24V

TEL: 04 42 90 76 20  
 FAX: 04 42 90 76 21

