

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

00000263 : PHLOX - LEDRGB - BL - 50x50 - LLUB - Q - 1R - 24V

### Illumination

Luminance minimum

**R: 7500; G: 15000; B: 1100; W:29000 cd/m<sup>2</sup> continuous mode**

Uniformity minimum

**≥95% (+/- 10%)**

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

**20 000 hours**

Scan for DS  
and 3D Files !



### Electrical

Input Voltage

24 VDC (continuous mode)

Input Current max.

Red: 125; Green: 152; Blue: 60; 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 (D7,2 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

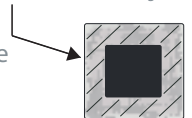
Shelf life

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

**Power supply:** 110V and 220V

Product key: ALIM-24V-2.5A60WEU or ALIM-24V-2.5A60WUS

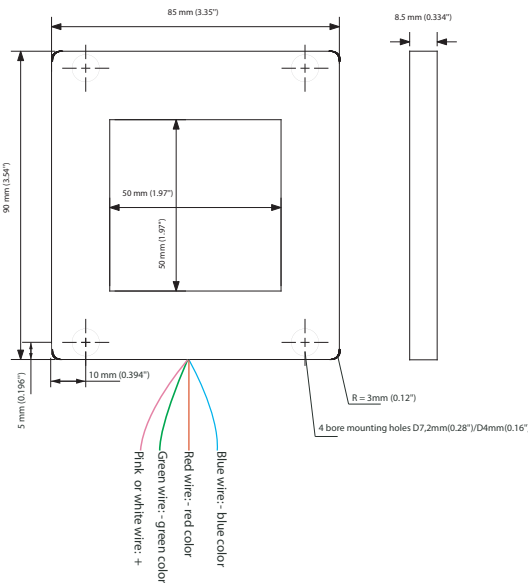
CLASS 0: NO RISK (CIE S2009:2002/NF EN 62471)

**RoHS** directive compliant

Each PHLOX Backlight is provided with:

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

January 15th, 2025



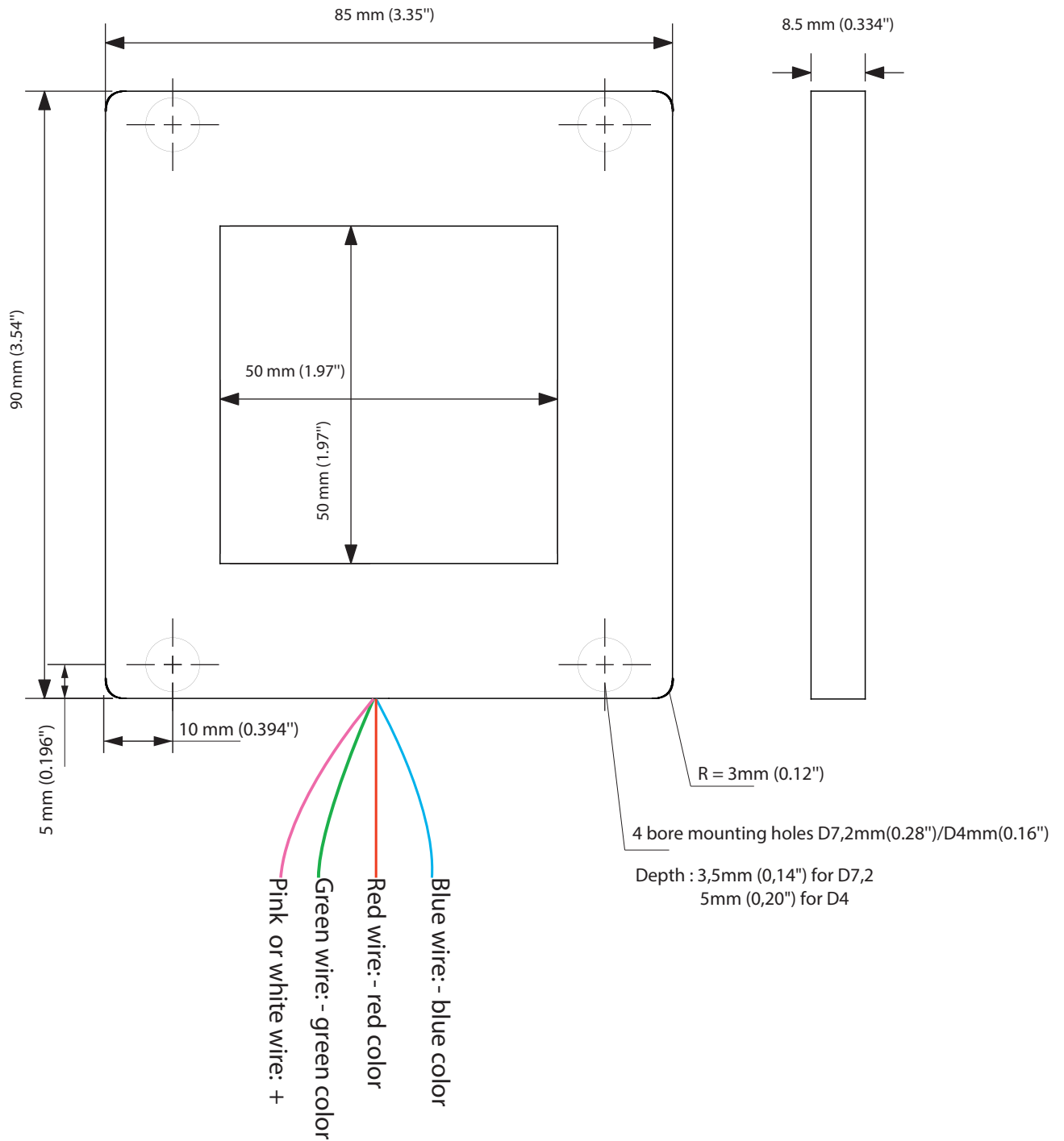
High Bright RGB led Backlights by PHLOX® offer the **best life cycle, the best chromaticity stability and the best luminance on the market**, all in a compact and **IP-43 body\***. PHLOX® is the only manufacturer to provide uniformity and luminance datas on the quality control seal positioned at the 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

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