

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

## High Uniformity RGB led On-Axis 50x50

00000506 : PHLOX - LEDRGB - OA - 50x50 - S - Q - 1R - 24V

### Illumination

Luminance minimum  
Uniformity minimum  
Source Type  
Wavelength  
Expected Life

**R: 320; G: 620; B: 60; W:1000 cd/m<sup>2</sup> continuous mode**  
**≥80% (+/- 10%)**  
RGB LED  
Red: 630; Green: 520; Blue:460 nm  
**50 000 hours**

Scan for DS  
and 3D Files !



### Electrical

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

24 VDC (continuous mode)  
Red: 100; Green: 100; Blue: 40; W:240mA (continuous mode)  
2 M ( PTFE color)  
None  
White: 24VDC; Red, Green, Blue: ground  
Yes  
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  
Housing Material  
Weight  
Mounting

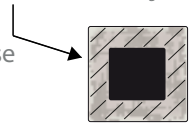
90 x 85 x 64.5 mm (3.54 x 3.35 x 2.54")  
Black Anodized Aluminium  
220 g (7.76 oz)  
4 mounting holes D 4 mm(0.157")

### 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

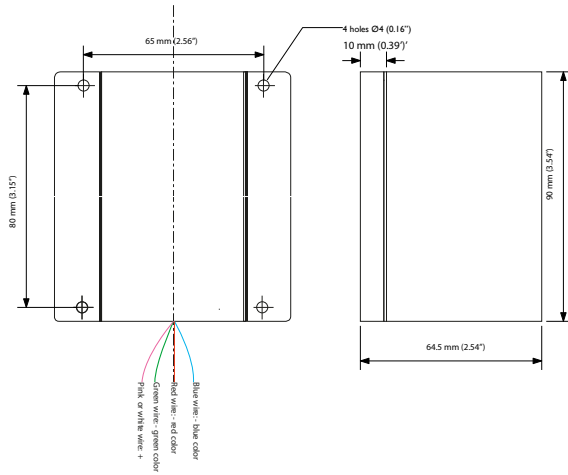
**Power supply:** 110V and 220V  
Product key: ALIM-24V-2.5A60WEU or ALIM-24V-2.5A60WUS

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

February, 2nd 2024



The RGB led On-Axis by PHLOX® offer the **best uniformity on the market.**

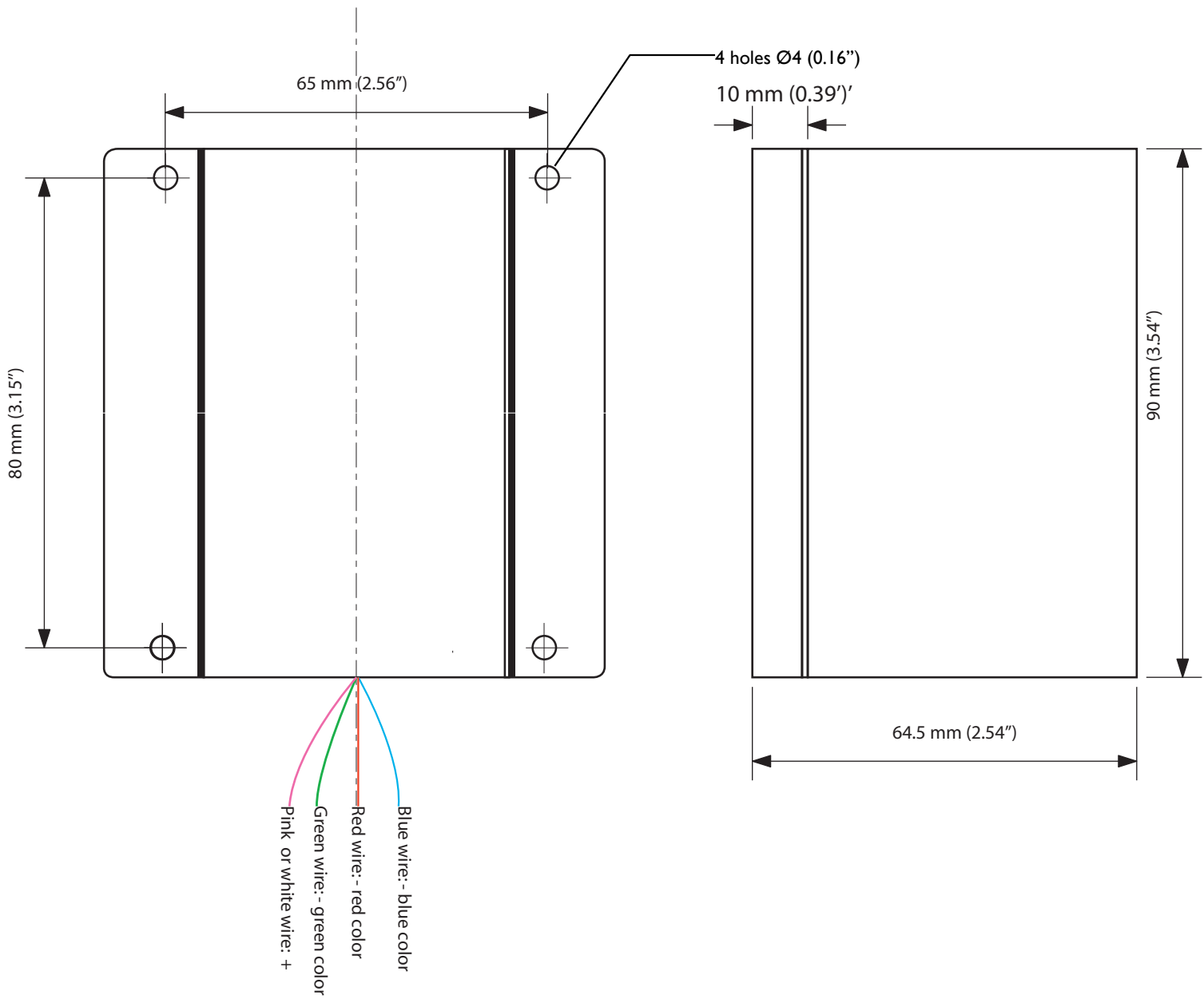
PHLOX® is the only manufacturer to provide a 3D uniformity and luminance certificate with every backlight. This data is also available on the quality control seal positioned at the back of every backlight.

### 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.



PROPRIÉTÉ DE PHLOX SA- REPRODUCTION INTERDITE SAUF ACCORD ÉCRIT

00000506 : PHLOX-LEDRGB-OA-50X50-S-Q-1R-24V

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

