

Manufacturer	Source colour	Light Output Area/Length	Injection process	Input voltage
PHLOX	- LEDRGB	- BL - 100x100	- 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 100x100

00000198 : PHLOX - LEDRGB - BL - 100x100 - LLUB - Q - 1R - 24V

Illumination

Luminance minimum	R: 5500; G: 11.500; B: 1700; W:24.400 cd/m² continuous mode
Uniformity minimum	≥95% (+/- 10%)
Source Type	RGB LED
Colour Temperature	Red : 630;Green:520;Blue:460nm/W:5700°K(+/-1500)
Light Angular Distribution	30° 1/2 angle
Expected Life	20 000 hours

Electrical

Input Voltage	24 VDC (continuous mode)
Input Current ≤	Red: 0,250; Green: 0,300; Blue: 0,100;W: 0,550 mA(continuous mode)
Cable length	2M (PTFE color)
Connector	None
Cable pinout	White: 24VDC; Red, Green, Blue: ground
CE Conformity	Yes
Strobe mode	Max. Cur: Red: 1A; Green: 0.7A; Blue: 0.7A; White: 2A Pulse Width: 10ms / Duty Ratio: 1/10

Outer unit

L x W x H	140 x 134 x 8.5 mm (5.51 x 5.28 x 0.334")
Housing Material	Black Anodized Aluminium
Weight	400 g (14.1 oz)
Mounting	4 bore holes (D7,2mm 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

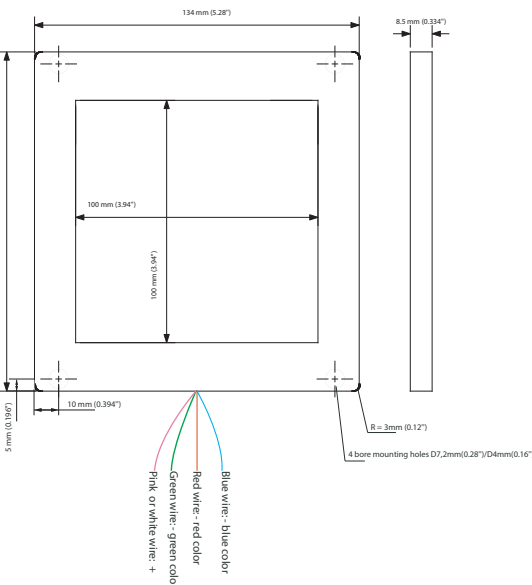
Power supply: 110V and 220V
Product key: ALIM-24V-2.5A60WEU or ALIM-24V-2.5A60WUS

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



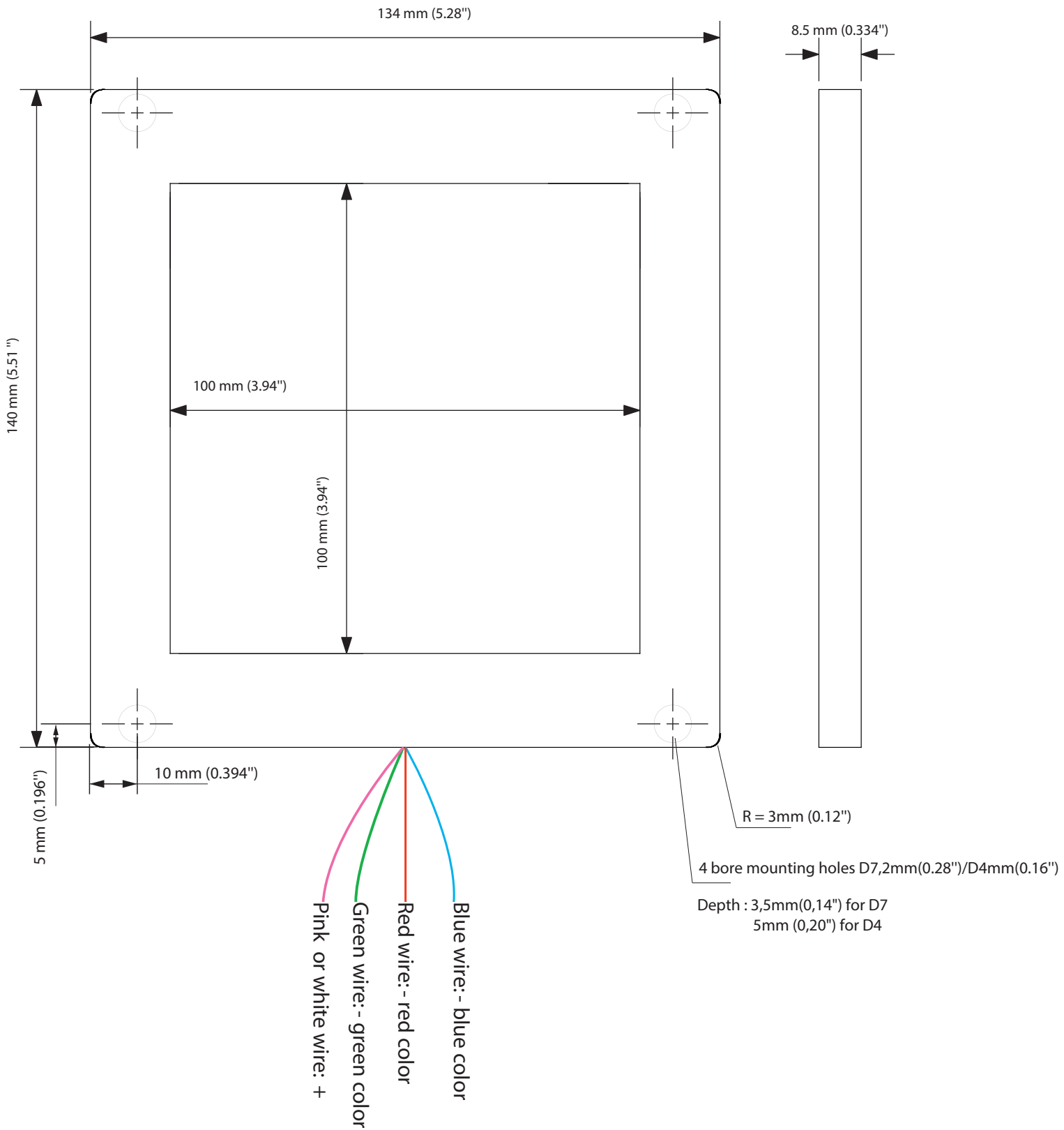
High Bright RGB led Backlights by PHLOX® offer the **best life cycle, the best chromaticity stability and the best luminance on the market**, all in a ultra compact and **IP-43 body***. PHLOX® is the only manufacturer to provide uniformity and luminance data on the quality control seal positioned at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

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