

Manufacturer	Source colour	Light Output Area/Length	Injection process	Input voltage
PHLOX	- LEDIR	- 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!

LLUB (Long life Ultra Bright) Infrared led Backlight 50x50


PHLOX - LEDIR - BL - 50x50 - LLUB - Q - 1R - 24V - 940



Illumination

Radiance minimum	≥7 W/m².sr continuous mode
Uniformity minimum	≥95% (+/- 10%)
Source Type	Infrared LED
Wavelength	940 nm (+/- 15)
Light Angular Distribution	30° 1/2 angle
Expected Life	> 100 000 hours

Electrical

Input Voltage	24 VDC (continuous mode)
Input Current	≤140 mA (continuous mode)
Cable length	2 M - Ø 2.7 mm (6.56 ft - Ø 0.10")
Connector	None
Cable pinout	
CE Conformity	Yes
Strobe mode	Max. Cur: 0.56 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 5.5 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: OMRON-LED-PS-108x100x40-24V

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



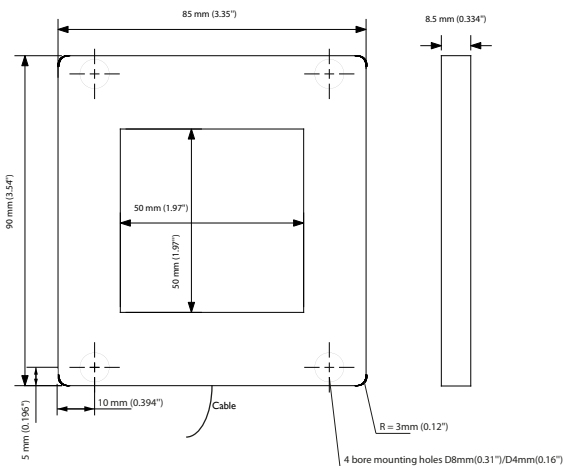
CLASS 0: NO RISK (CIE S2009:2002/NF EN 62471)

RoHS directive compliant

Each PHLOX Backlight is provided with:

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

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LLUB Backlights by PHLOX® offer the **best life cycle** and the **best uniformity on the market**, all in an ultra compact and IP-65 body.

PHLOX® is the only manufacturer to provide uniformity and radiance datas on the quality control seal positioned at the back of every backlight.

DESIGNED

FOR YOUR APPLICATION

- Bottle inspection (glass and plastic)
- Particle measurement
- Dimensional control
- Shaping control
- Quality control with transparency.

& YOUR INDUSTRIAL SECTOR

- Glassmaking
- Pharmaceutical/Cosmetics
- Automotive
- Agribusiness
- Electronics
- Aeronautics and space.