

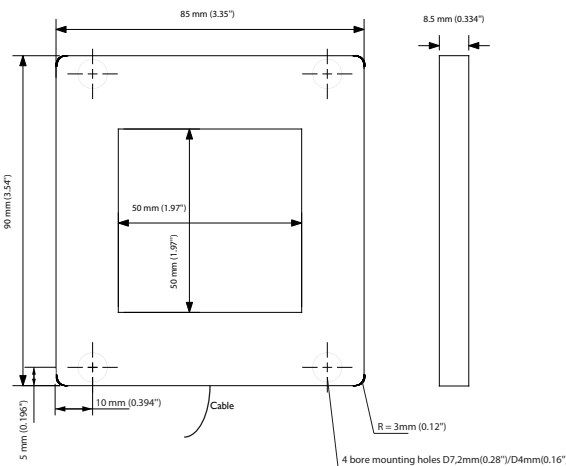
Manufacturer	Source colour	Light Output Area/Length	Injection process	Input voltage
PHLOX	LEDIR850	BL - 50x50	LLUB	Q - 1R - 24V
Source type	Product type	Range	Number of light sources' rows per cicu	

PHLOX® EXCLUSIVE LIGHT PROCESS  
WORLDWIDE PATENT ISSUED

**NEW!**

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

00000433 : PHLOX - LEDIR850 - BL - 50x50 - LLUB - Q - 1R - 24V



## Illumination

Radiance minimum  
Uniformity minimum  
Source Type  
Wavelength  
Light Angular Distribution  
Expected Life

**≥37 W/m<sup>2</sup>.sr continuous mode**  
**≥95% (+/- 10%)**  
Infrared LED  
850 nm (+/- 15)  
30° 1/2 angle  
**> 100 000 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)  
≤140 mA (continuous mode)  
2 M - Ø 2.7 mm (6.56 ft - Ø 0.10")  
None  
None  
Yes  
Max. Cur: 0.56 A / Pulse Width: 10ms / Duty Ratio: 1/10

## Outer unit

L x W x H  
Housing Material  
Weight  
Mounting

90 x 85 x 8.5 mm (3.54 x 3.35 x 0.334")  
Black Anodized Aluminium  
120 g (4.2 oz)  
4 bore holes (D7,2mm for the first 3.5 mm of height, D4 for the other 5 mm)

LLUB Backlights by PHLOX® offer the **best life** and the **best uniformity on the market**, all in an ultra compact and **IP-63 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

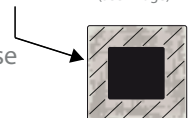
Glassmaking  
Pharmaceutical/Cosmetics  
Automotive  
Agribusiness  
Electronics  
Aeronautics and space.

## 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

**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



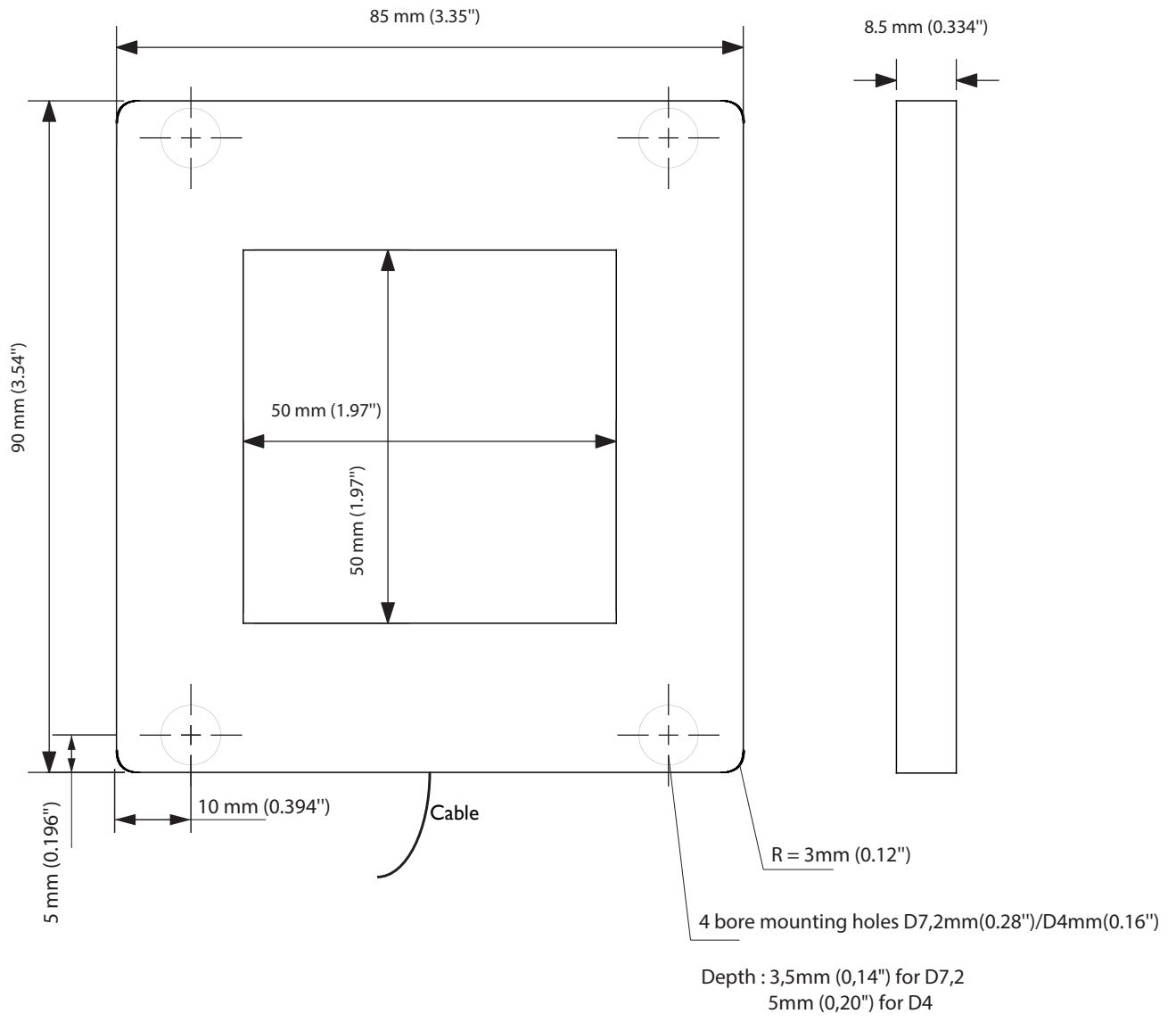
CLASS 0: NO RISK (CIE S2009:2002/NF EN 62471)

**RoHS** directive compliant

Each PHLOX Backlight is provided with:

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

January 14th, 2025



PROPRIÉTÉ DE PHLOX SA- REPRODUCTION INTERDITE SAUF ACCORD ÉCRIT

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