

Manufacturer	Source colour	Light Output Area/Length	Injection process	Input voltage
PHLOX	LEDIR940	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

940nm

LLUB (Long life Ultra Bright) Infrared led Backlight 100x100

00000768 : PHLOX - LEDIR940 - BL - 100x100 - LLUB - Q - 1R - 24V

Illumination

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

≥11 W/m².sr continuous mode
≥95% (+/- 10%)
Infrared LED
940 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)
≤350 mA (continuous mode)
2 M - Ø 2.7 mm (6.56 ft - Ø 0.10")
None
+
Yes
Max. Cur: 0,88 A / Pulse Width: 10ms / Duty Ratio: 1/10

Outer unit

L x W x H
Housing Material
Weight
Mounting

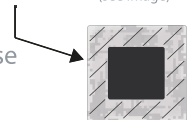
140 x 134 x 8.5 mm (5.51 x 5.28 x 0.334")
Black Anodized Aluminium
400 g (14.1 oz)
4 bore holes (D7,2mm for the first 3.5 mm of height, D4 for the other 5mm)

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



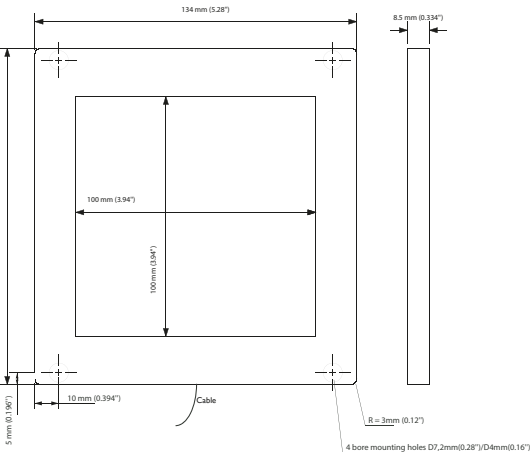
CLASS 0: NO RISK (CIE S2009:2002/NF EN 62471)

RoHS directive compliant

Each PHLOX Backlight is provided with:

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

January 14th, 2025



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

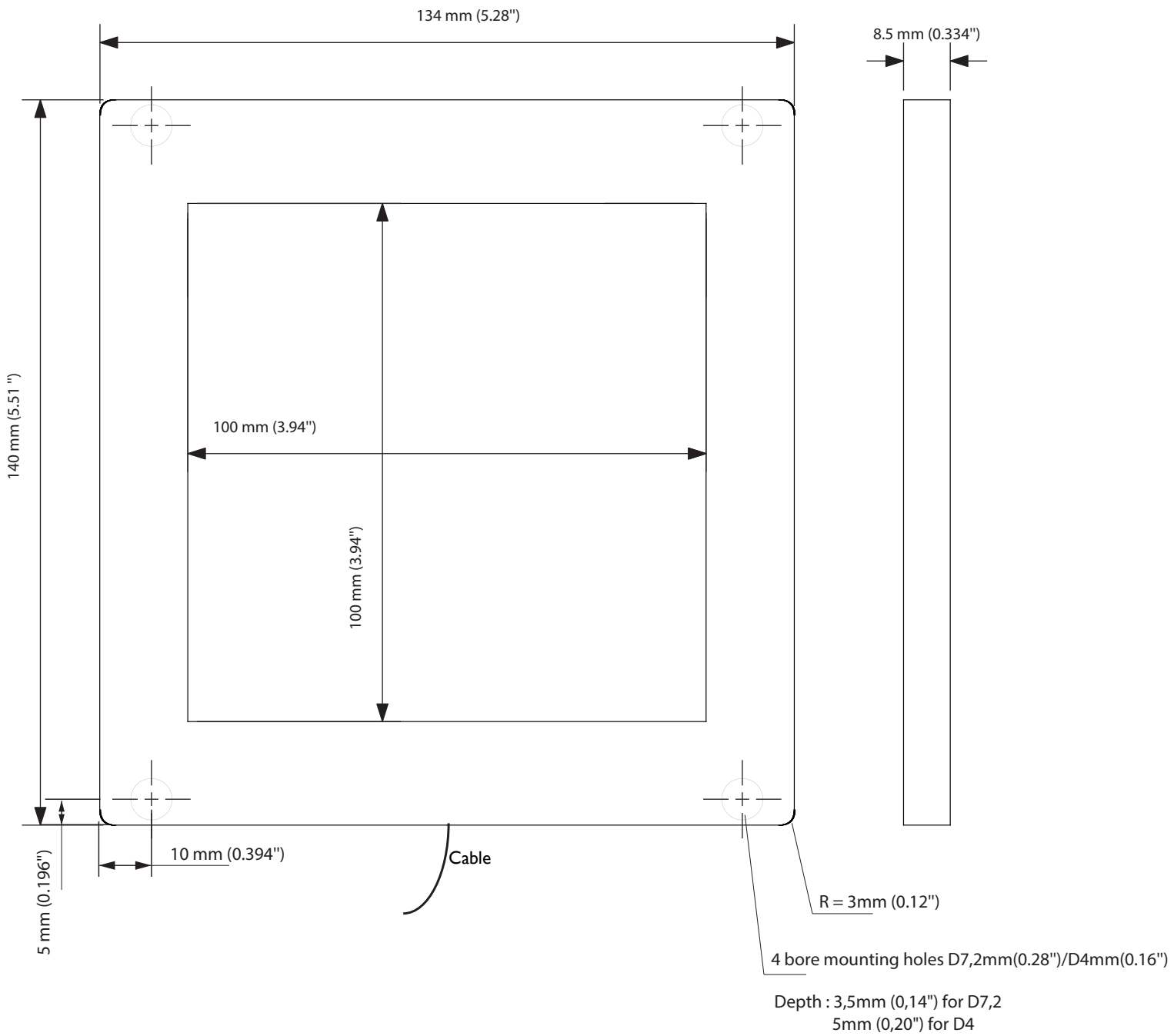
PHLOX® is the only manufacturer to provide uniformity and radiance datas on the quality control seal positioned at the back of every backlight.

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.



PROPRIÉTÉ DE PHLOX SA- REPRODUCTION INTERDITE SAUF ACCORD ÉCRIT

00000768 : PHLOX-LEDIR940-BL-100X100-LLUB-Q-1R-24V

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

