

NEW!

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

with constant current

00000497 : PHLOX - LEDIR850 - BL - 100x100 - LLUB - Q - 1R - 24V - V2


Illumination

Radiance minimum **≥90 W/m².sr continuous mode**
 Uniformity minimum **≥95% (+/- 10%)**
 Source Type Infrared LED
 Wavelength 850 nm (+/- 15)
 Light Angular Distribution 30° 1/2 angle
 Expected Life **> 100 000 hours**

Scan for DS
and 3D Files!



Electrical

Input Voltage 24 VDC (continuous mode)
 Input Current ≤540 mA +/-5% (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 Not possible with 24V version. You need to order CUR version

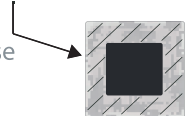
Outer unit

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 3.5mm of height, D4 for the other 5mm)

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: ALIM-24V-2.5A60WEU or ALIM-24V-2.5A60WUS



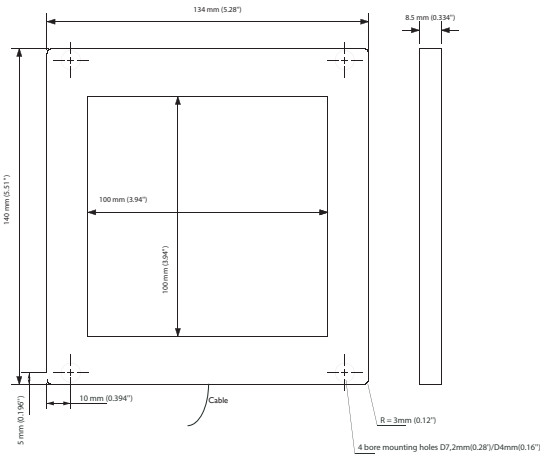
CLASS 0: NO RISK (CIE S2009:2002/NF EN 62471)

RoHS directive compliant

Each PHLOX Backlight is provided with:

- 24 months warranty
- Certificate of uniformity
- 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.

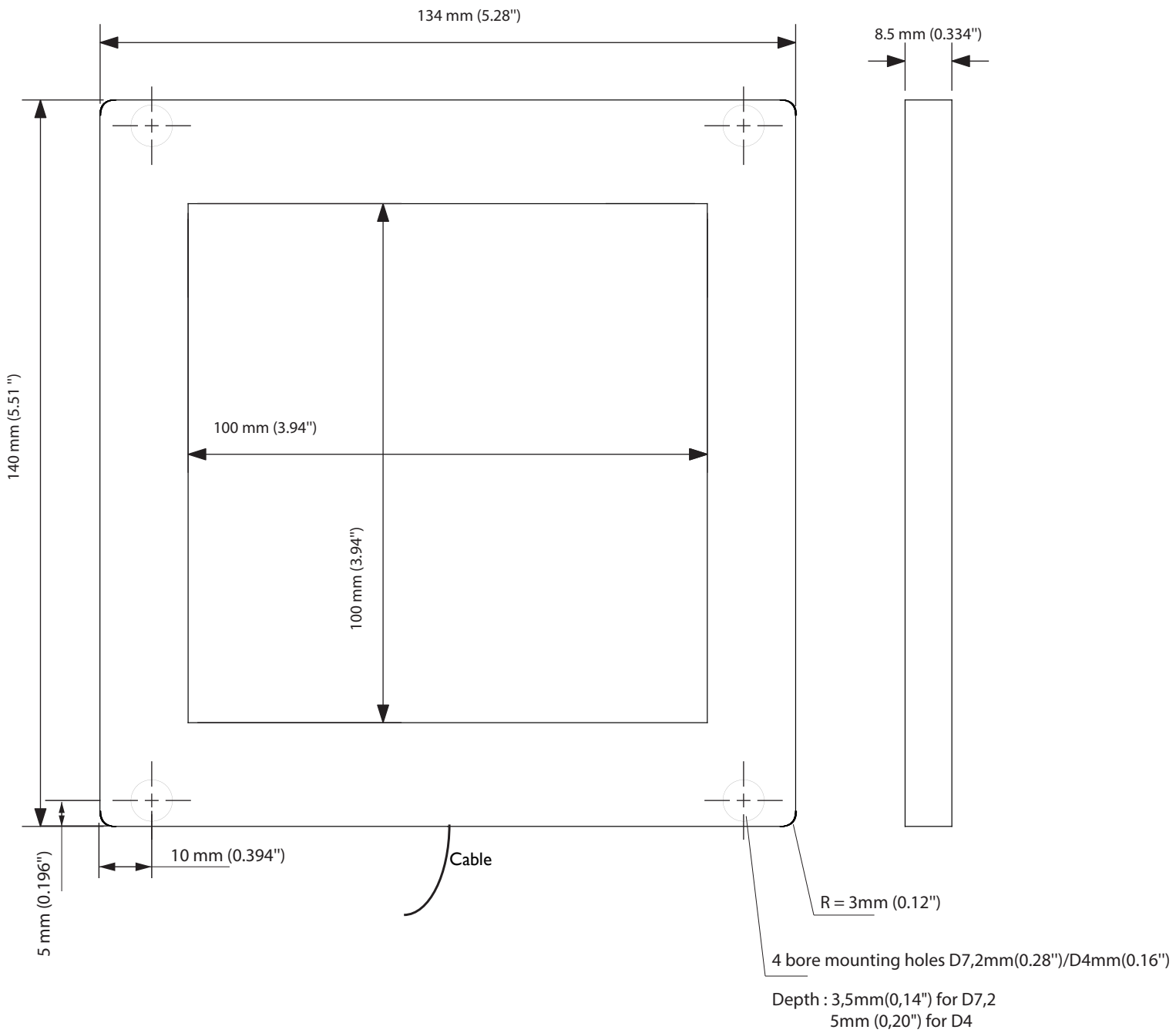
DESIGNED

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

00000497 : PHLOX-LEDIR850-BL-100X100-LLUB-Q-1R-24V-V2

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

