

Manufacturer	Source colour	Light Output Area/Length	Injection process	Input voltage
PHLOX	- LEDIR850	- BL - 400x200	- LLUB	- Q - 1R - 24V
	Source type	Product type	Range	Number of light sources/rows per cicu

PHLOX® EXCLUSIVE LIGHT PROCESS  
WORLDWIDE PATENT ISSUED

# 850nm

## LLUB (Long life Ultra Bright) Infra-Red led Backlight 400x200

LESS THAN 20% LUMINANCE LOSS AFTER 100 000 HOURS (\*)

00000742 : PHLOX - LEDIR850 - BL - 400x200 - LLUB - Q - 1R - 24V

### Illumination

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

≥10 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)  
≤720 mA (continuous mode)  
2 M - Ø 2.7 mm (6.56 ft - Ø 0.10")  
None  
None  
Yes  
Max. Cur: 3.8A / Pulse Width: 10ms / Duty Ratio: 1/10

### Outer unit

L x W x H  
Housing Material  
Weight  
Mounting

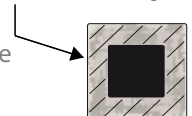
440 x 234 x 8.5 mm (17.32 x 9.21 x 0.334")  
Black Anodized Aluminium  
1 160 g (40.91 oz)  
4 bore holes (D7,2mm for the first 3.5 mm of height, D4 for the other 5 mm)

### 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:

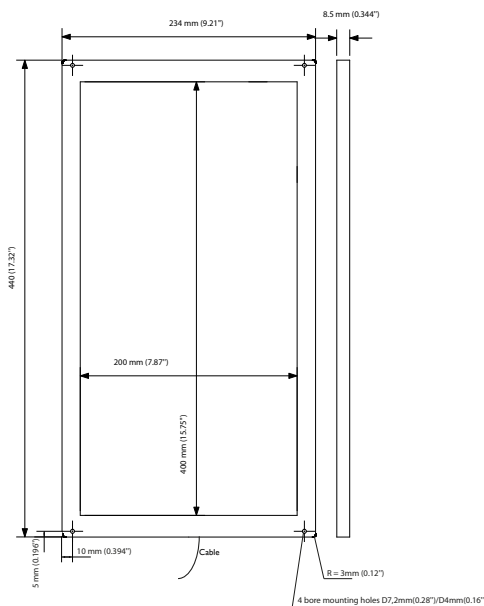
- 24 months warranty
- Certificate of uniformity and luminance
- Seal of quality on the back

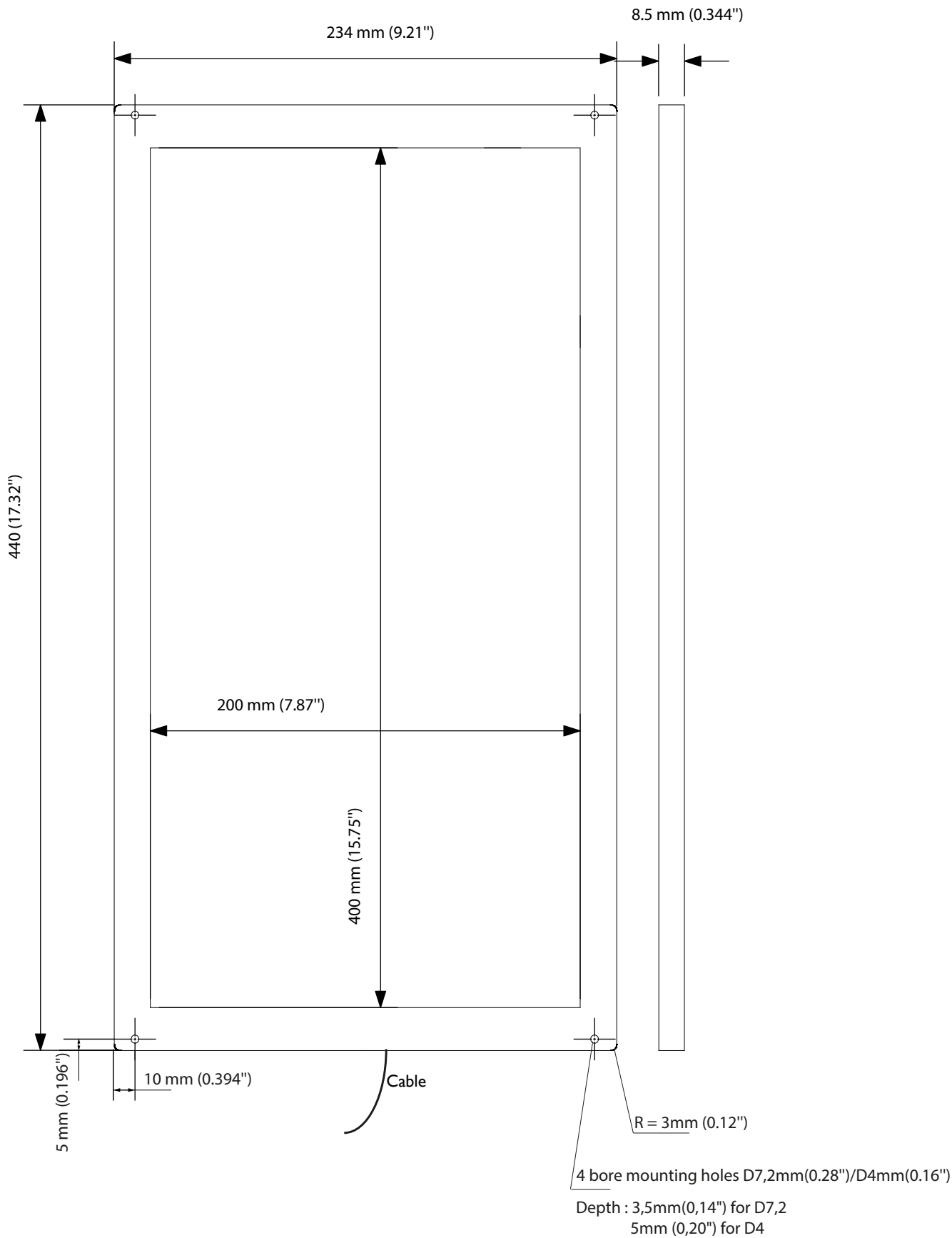
January 15th, 2025

LLUB Backlights by PHLOX® offer the best life cycle, and the best luminance on the market, all in an ultra compact and IP-63 body. PHLOX® is the only manufacturer to provide uniformity and luminance datas on the quality control seal positioned at the back of every backlight.

**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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