

Manufacturer	Source colour	Light Output Area/Length	Injection process	Input voltage
PHLOX	LEDR	BL 160x120	LLUB	Q - 1R - 24V
	Source type	Product type	Range	Number of light sources' rows per cicu

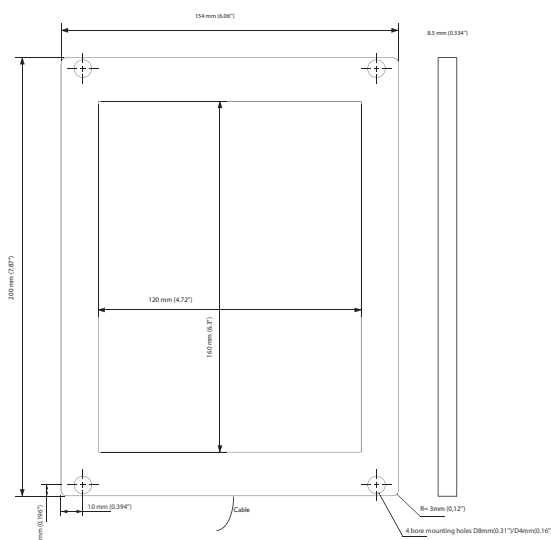
PHLOX® EXCLUSIVE LIGHT PROCESS  
WORLDWIDE PATENT ISSUED

**NEW!**

# LLUB (Long life Ultra Bright) Red led Backlight 160x120

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

PHLOX - LEDR - BL - 160x120 - LLUB - Q - 1R - 24V



## Illumination

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

≥10 500 cd/m<sup>2</sup> continuous mode  
≥95% (+/- 10%)  
Red LED  
625 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)  
≤700mA (continuous mode)  
2 M - Ø 2.7 mm (6.56 ft - Ø 0.10")  
None  
None  
Yes  
Max. Cur: 2 A / Pulse Width: 10ms / Duty Ratio: 1/10

## Outer unit

L x W x H  
Housing Material  
Weight  
Mounting

200 x 154 x 8.5 mm (7.87 x 6.06 x 0.334")  
Black Anodized Aluminium  
400 g (14.1 oz)  
4 bore holes (D8 for the first 3.5 mm of height, D4 for the other 5 mm)

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

## 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

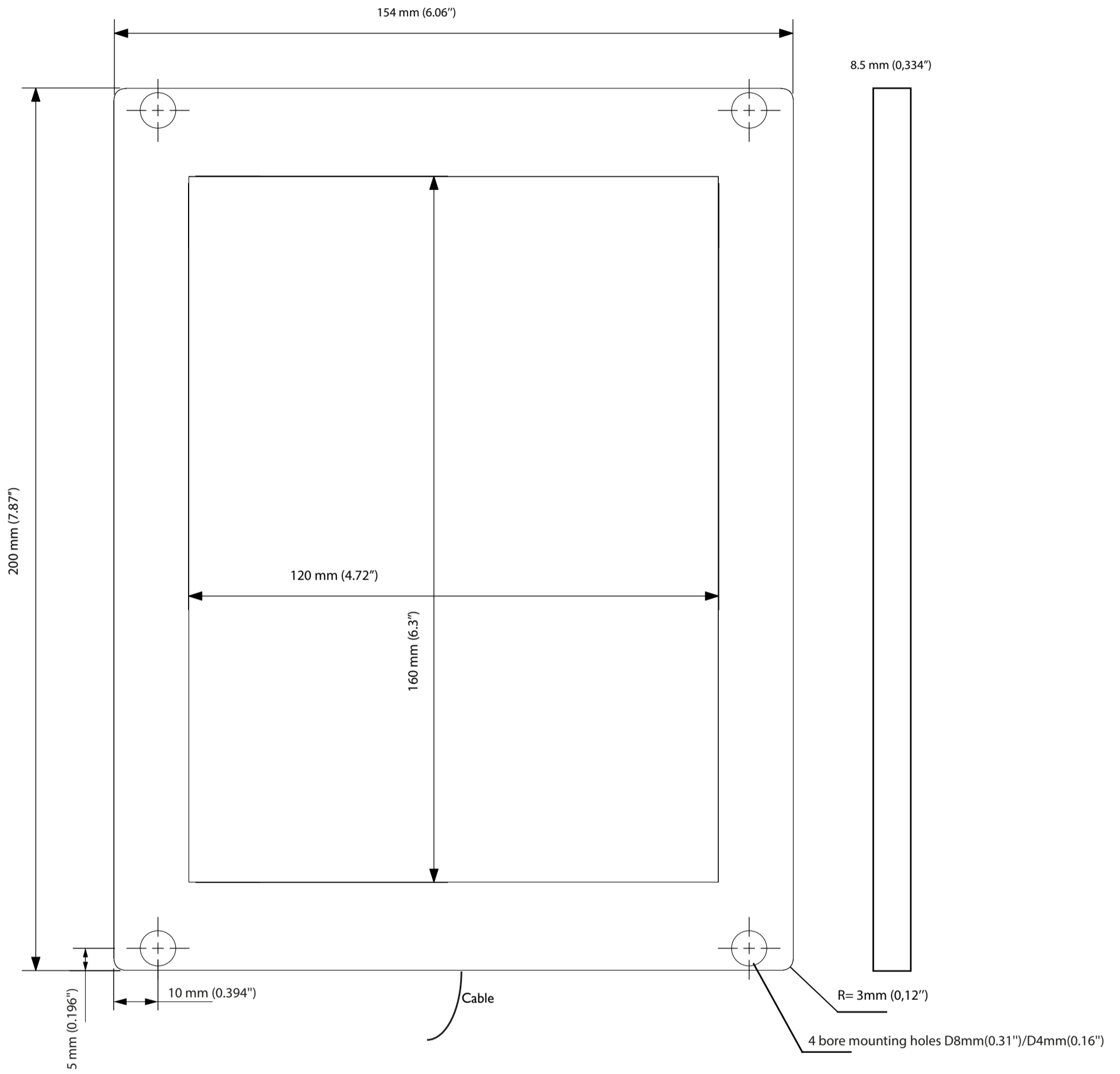


CLASS 0: NO RISK (CIE S2009:2002/NF EN 62471)

**RoHS** directive compliant

Each PHLOX Backlight is provided with:  
- 24 months warranty  
- Certificate of uniformity and luminance  
- Seal of quality on the back

Jan 04, 2019



PROPRIÉTÉ DE PHLOX SA- REPRODUCTION INTERDITE SAUF ACCORD ÉCRIT

PHLOX-LEDR-BL-160X120-LLUB-Q-1R-24V

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