

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

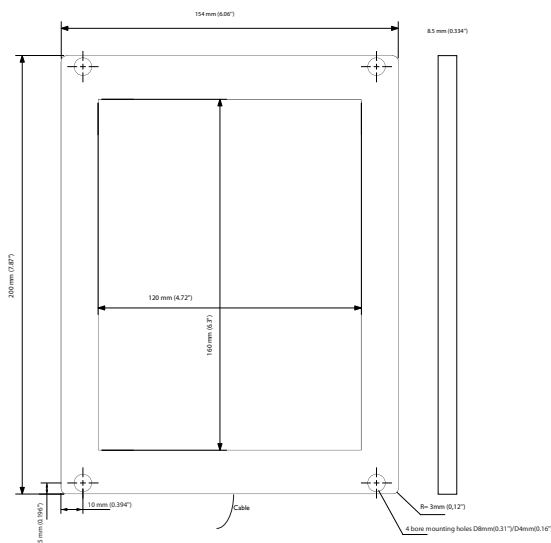
PHLOX® EXCLUSIVE LIGHT PROCESS  
WORLDWIDE PATENT ISSUED

**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	<b>≥10 500 cd/m<sup>2</sup> continuous mode</b>
Uniformity minimum	<b>≥95% (+/- 10%)</b>
Source Type	Red LED
Wavelength	625 nm(+/- 15)
Light Angular Distribution	30° 1/2 angle
Expected Life	<b>&gt; 100 000 hours</b>

## Electrical

Input Voltage	24 VDC (continuous mode)
Input Current	≤500 mA (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	Max. Cur: 2 A / Pulse Width: 10ms / Duty Ratio: 1/10

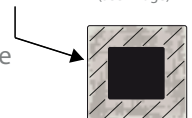
## Outer unit

L x W x H	200 x 154 x 8.5 mm (7.87 x 6.06 x 0.334")
Housing Material	Black Anodized Aluminium
Weight	400 g (14.1 oz)
Mounting	4 bore holes (D8 for the first 3.5 mm of height, D4 for the other 5.5 mm)

## 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

**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

April 09, 2018

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.

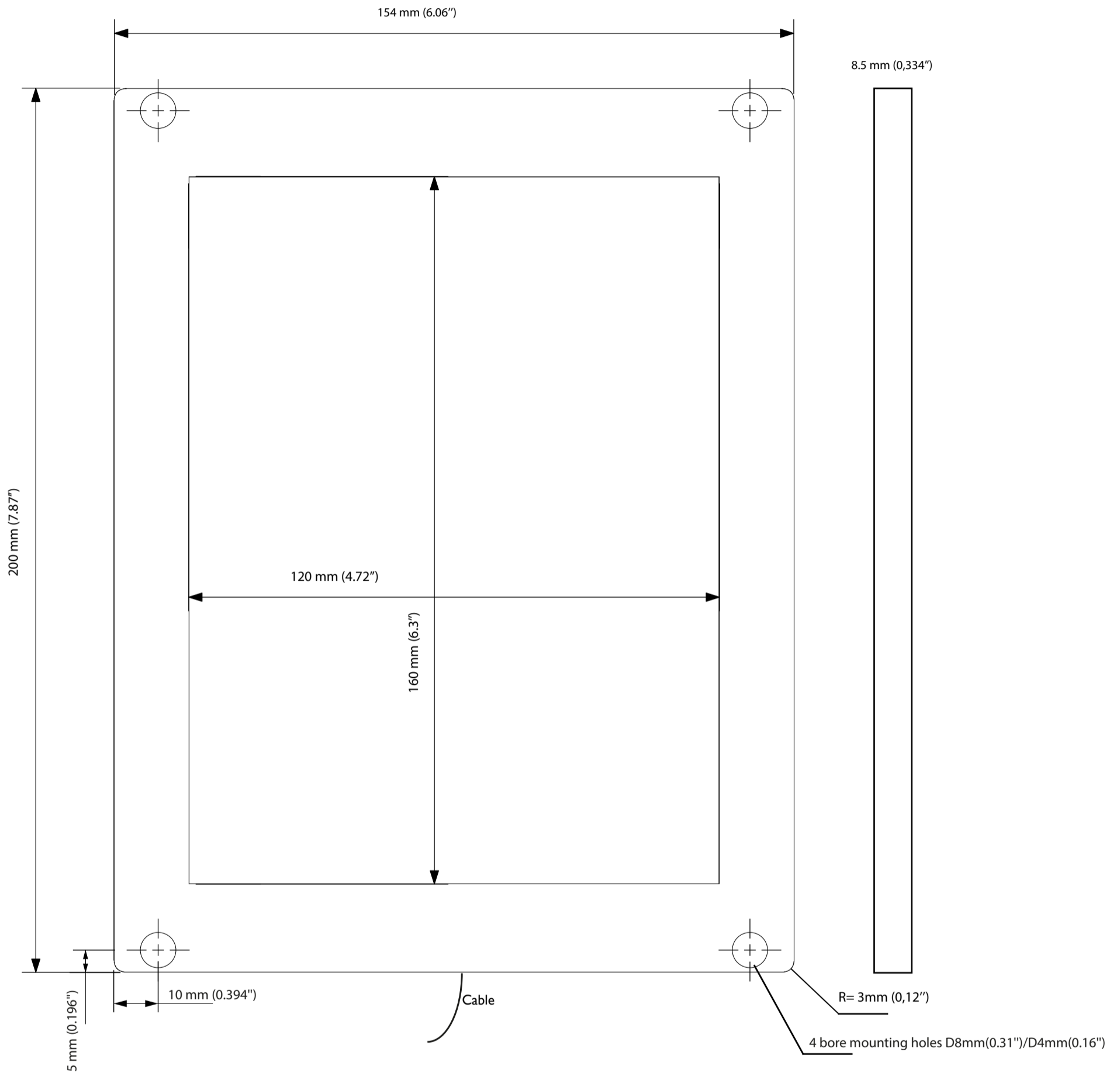
## DESIGNED

### 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.



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