

**NEW!**

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

LESS THAN 20% LUMINANCE LOSS AFTER 100 000 HOURS (\*)  
LESS THAN 10% CHROMATICITY SHIFT AFTER 100 000 HOURS (\*)


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



## Illumination

Luminance minimum	<b>≥20 000 cd/m<sup>2</sup> continuous mode</b>
Uniformity minimum	<b>≥95% (+/- 10%)</b>
Source Type	White LED
Colour Temperature	5700°K (+/-500)
Light Angular Distribution	30° 1/2 angle
Expected Life	<b>&gt; 100 000 hours</b>

## Electrical

Input Voltage	24 VDC (continuous mode)
Input Current	≤700 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: 2.8A / Pulse Width: 10ms / Duty Ratio: 1/10

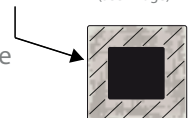
## Outer unit

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 (14.11 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

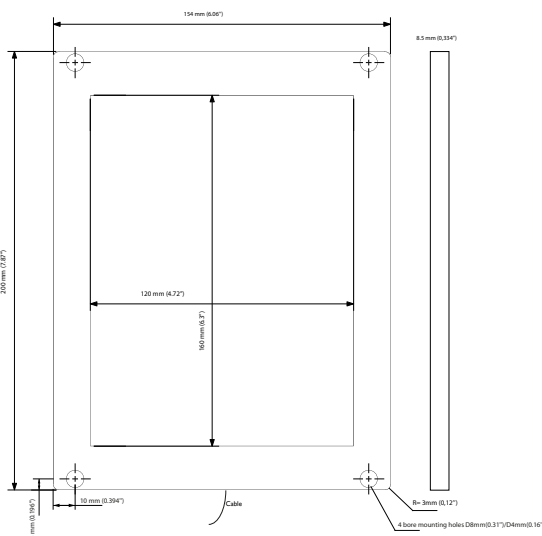


CLASS 0: NO RISK (CIE S2009:2002/NF EN 62471)

**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**, the **best chromaticity stability** 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.

