

Manufacturer	Source colour	Light Output Area/Length	Injection process	Input voltage
PHLOX	LEDW	BL - 160x120	LLUB	Q - 1R - 24V-V2
Source type	Product type	Range	Number of light sources' rows per cicu	

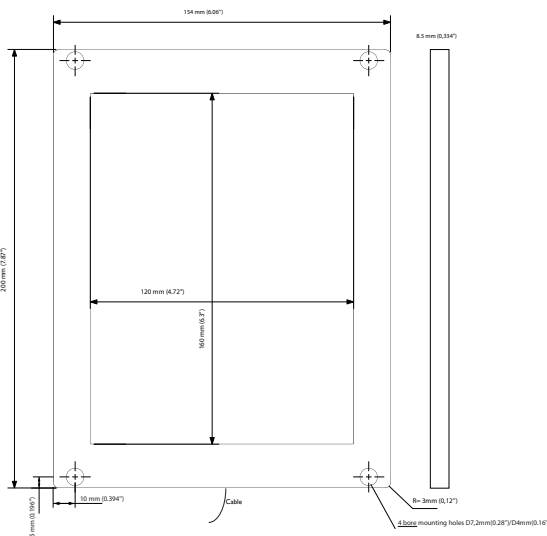
PHLOX® EXCLUSIVE LIGHT PROCESS
WORLDWIDE PATENT ISSUED

NEW!

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

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

00000426 : PHLOX - LEDW - BL - 160x120 - LLUB - Q - 1R - 24V-V2



Illumination

Luminance minimum
Uniformity minimum
Source Type
Colour Temperature
Light Angular Distribution
Expected Life

≥60 000 cd/m² continuous mode
≥95% (+/- 10%)
White LED
5700°K (+/-500)
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)
≤700 mA (continuous mode)
2 M - Ø 2.7 mm (6.56 ft - Ø 0.10")
None
None
Yes
Available in option

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 (14.11 oz)
4 bore holes (D7,2mm for the first 3.5 mm of height, D4 for the other 5 mm)

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-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.

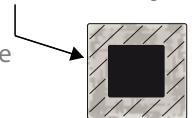
& YOUR INDUSTRIAL SECTOR
Glassmaking
Pharmaceutical/Cosmetics
Automotive
Agribusiness
Electronics
Aeronautics and space.

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

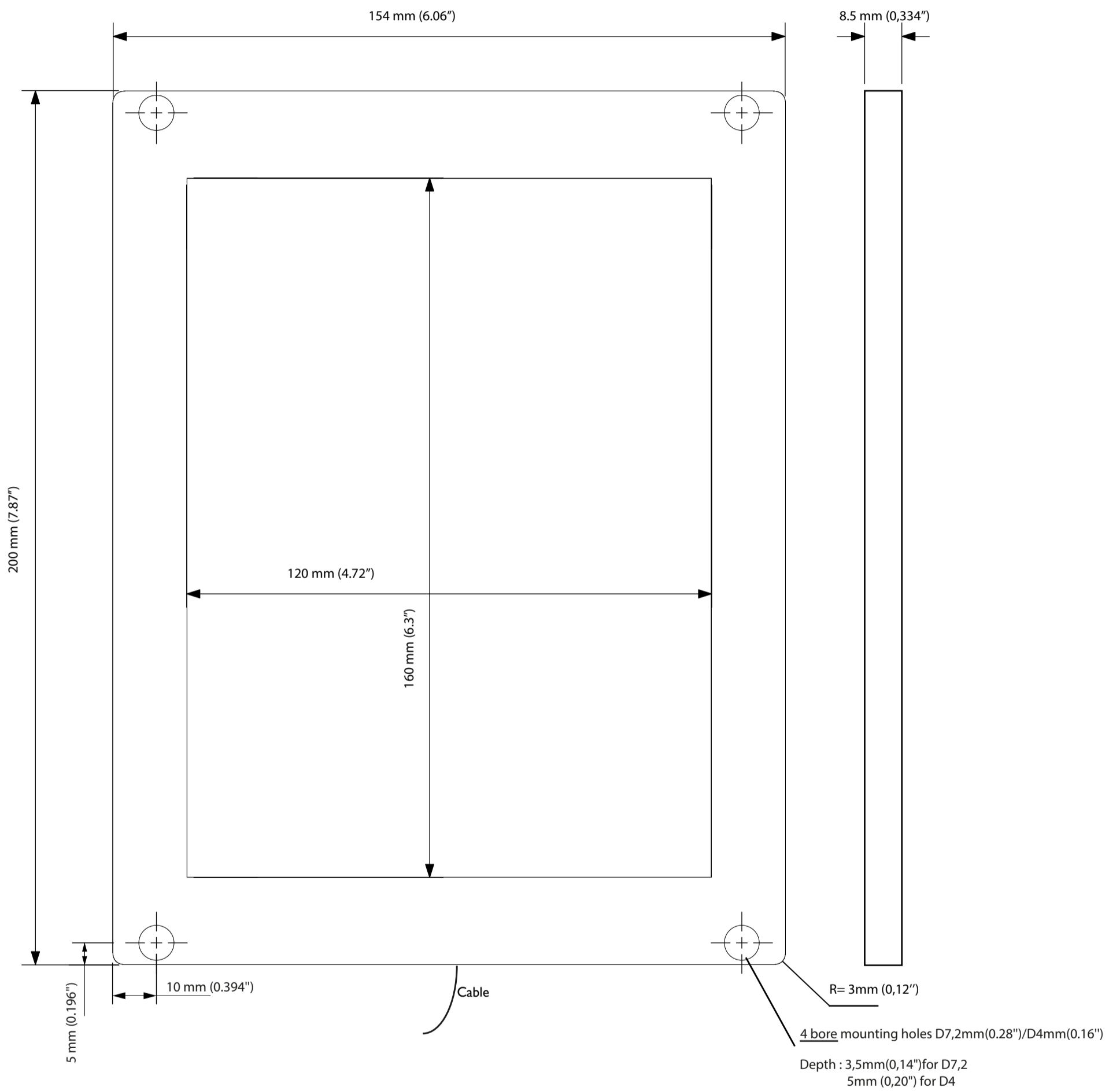


CLASS 0: NO RISK (CIE S2009:2002/NF EN 62471)

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



PROPRIÉTÉ DE PHLOX SA- REPRODUCTION INTERDITE SAUF ACCORD ÉCRIT

00000426 : PHLOX-LEDW-BL-160X120-LLUB-Q-1R-24V-V2

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