

Manufacturer	Source colour	Light Output Area/Length	Injection process	Input voltage
PHLOX	LEDW	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

NEW!

LLUB (Long life Ultra Bright) White led Backlight 400x200

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

00000423 : PHLOX - LEDW - BL - 400x200 - LLUB - Q - 1R - 24V

Illumination

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

≥30.000 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

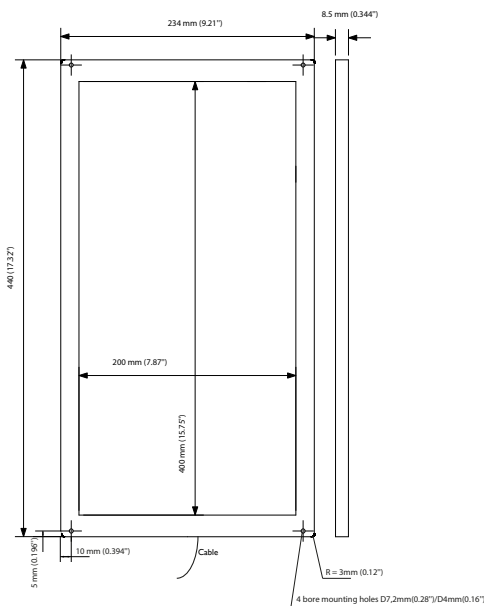
Input Voltage
Input Current
Cable length
Connector
Cable pinout
CE Conformity
Strobe mode

24 VDC (continuous mode)
≤1.8 A (continuous mode)
2 M - Ø 2.7 mm (6.56 ft - Ø 0.10")
None
None
Yes
Max. Cur: 4.8A / 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)



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 unifor-mity 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

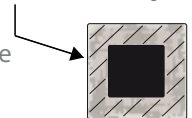
Glassmaking
Pharmaceutical/Cosmetics
Automotive
Agribusiness
Electronics
Aeronautics and space.

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

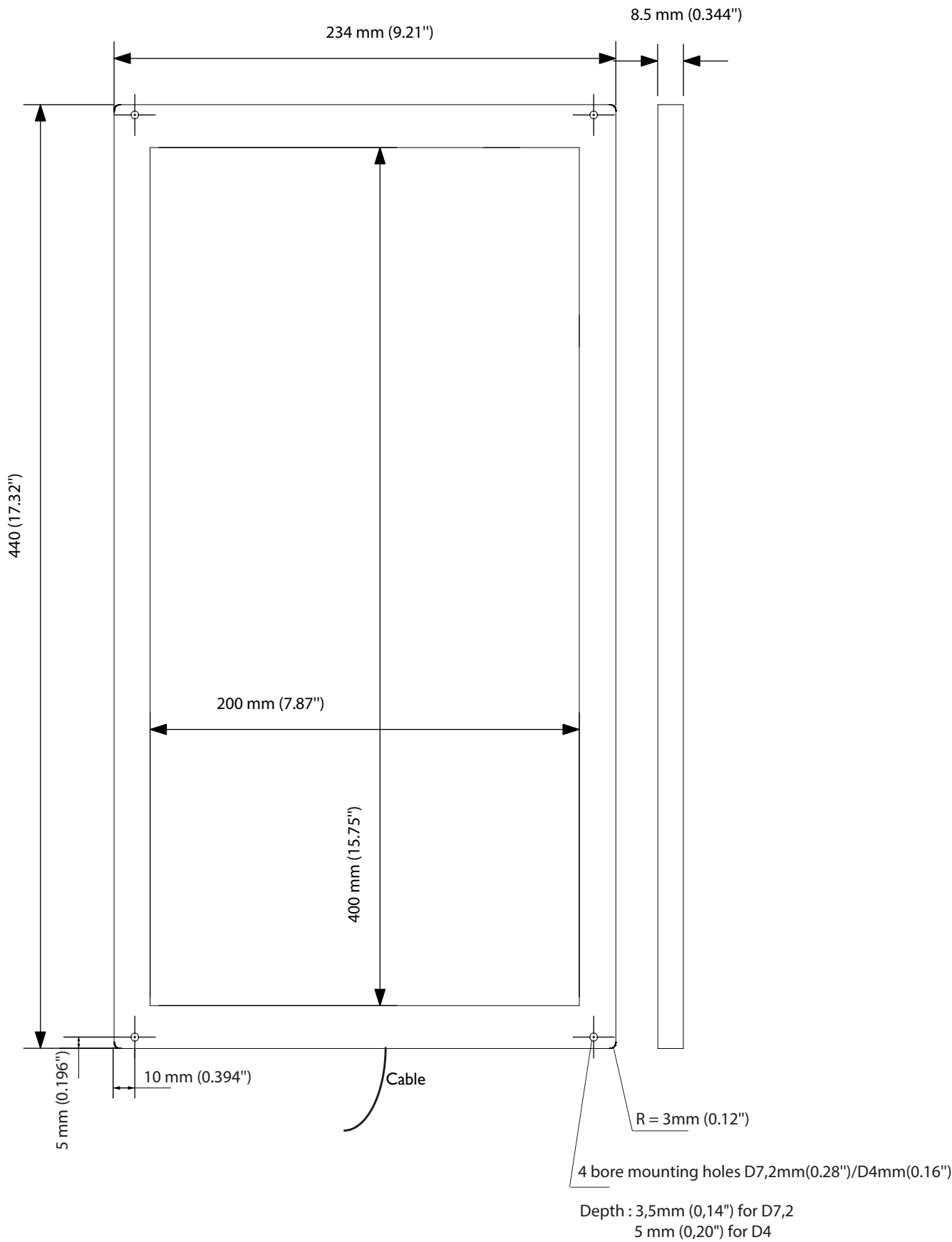


CLASS 0: NO RISK (CIE S2009:2002/NF EN 62471)

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

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