

A VISION
AHEAD



HOW TO READ THE PRODUCT KEY

Manufacturer Source colour Light Output Area/Length Injection process Input voltage
PHLOX - LEDW - BL - 100x100 - SLLUB-IFC - Q - 1R - 24V
 Source type Product type Range Number of light sources' rows per circuit

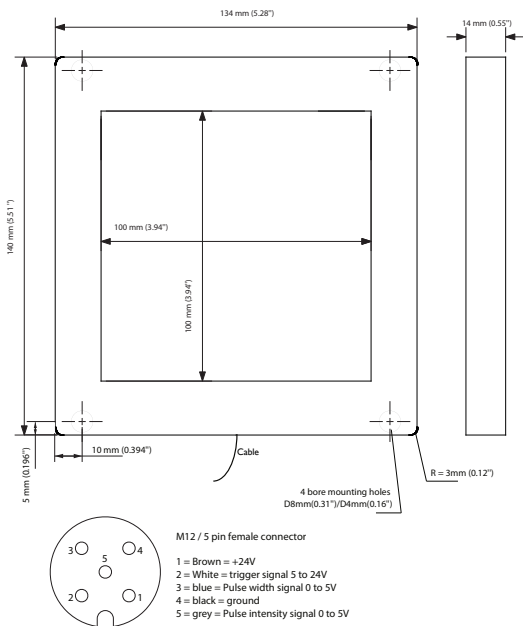
PHLOX® EXCLUSIVE LIGHT PROCESS
WORLDWIDE PATENT ISSUED

NEW!

IFC (Integrated Flash Controller) White led Backlight 100x100

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

PHLOX - LEDW - BL - 100x100 - SLLUB-IFC - Q - 1R - 24V



Illumination

Luminance minimum **≥ 70 000 cd/m² continuous mode**
(up to 500 000 cd/m² in flash mode)
 Uniformity minimum **95% (+/- 10%)**
 Source Type **White LED**
 Colour Temperature **5700°K (± 500)**
 Light Angular Distribution **30° 1/2 angle**
 Expected Life **> 100 000 hours**

Scan for DS
and 3D Files !



Electrical

Input Voltage **24 VDC (continuous mode)**
 Input Current **≤ 600 mA (continuous mode)**
 Cable length **2 M - Ø 2.7 mm (6.56 ft - Ø 0.10")**
Connector
 CE Conformity **Yes**
 Strobe mode **Max Current: 3.6A / Pulse width: 10ms / Duty Ratio: 1/10**
Trigger delay: 4µs / Pulse width: 5µs min - 10ms max



Pulse intensity and width are adjustable by applying 0 to 5V.
 Pulse intensity signal is linear: <10mV is 0%, 2.5V is 50%, 5V is 100%
 Pulse width is not linear: From 0 to 90mV => 5 to 40 µs | From 90mV to 5V => 100µs to 10ms

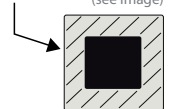
Outer unit

L x W x H **140 x 134 x 14 mm (5.51 x 5.28 x 0.55")**
 Housing Material **Black Anodized Aluminium**
 Weight **520 g (18.34 oz)**
 Mounting **4 bore holes (D8 for the first 3.5mm of height, D4 for the other 10.5mm)**

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)



Accessories

Power supply: 110V and 220V
 Product key: ALIM 24V-2.5A60WEU or ALIM-24V-2.5A60WUS

Do not cover the backlight when it's switched on.

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

September 16th, 2024

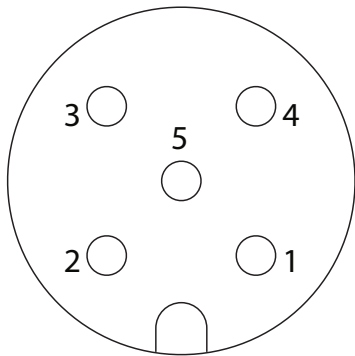
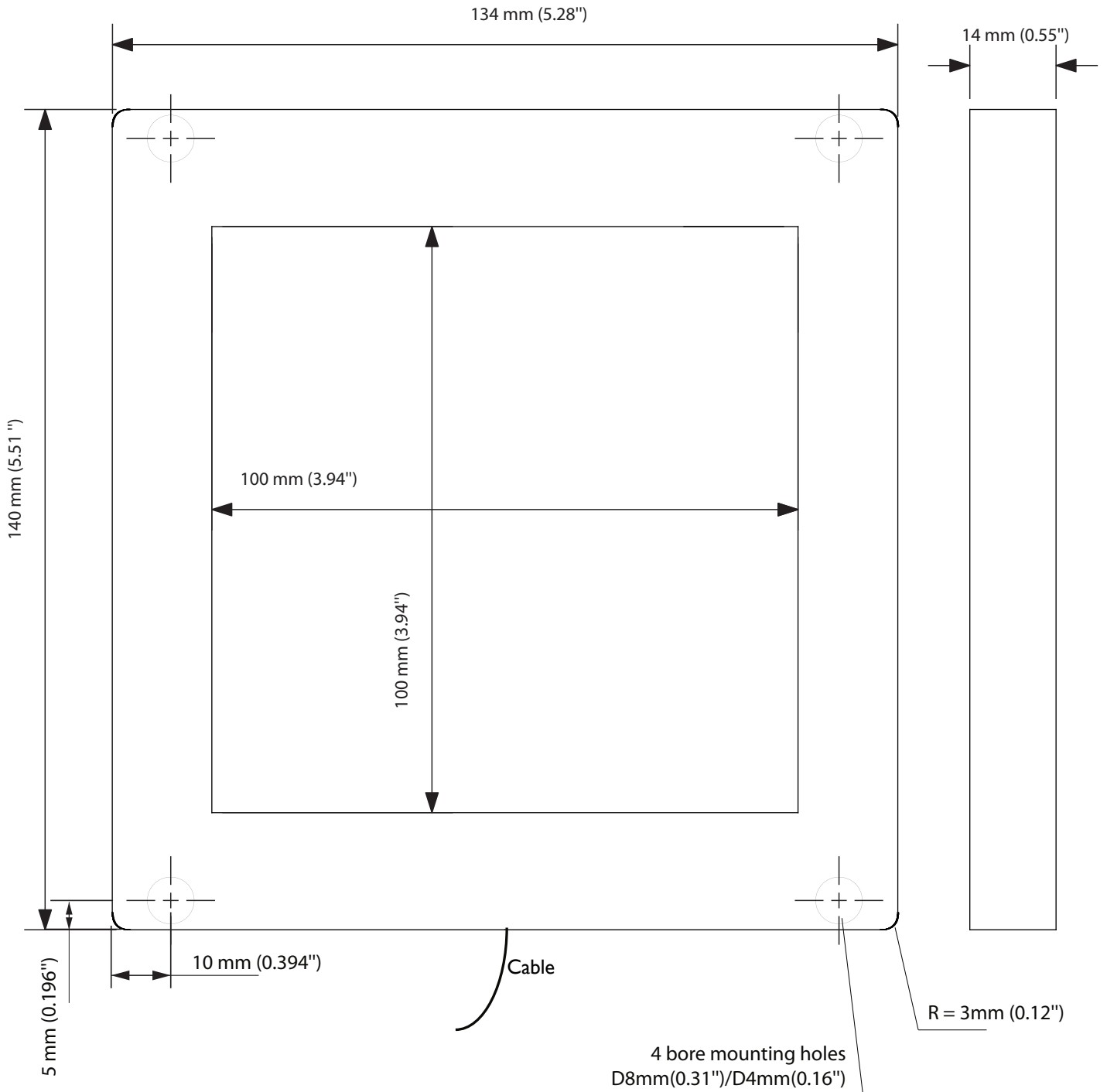
IFC Backlights by PHLOX® offer the best life cycle, the best chromaticity stability and the best luminance on the market, all in a compact and IP-63 body. PHLOX® is the only manufacturer to provide uniformity and luminance datas on the quality control seal positioned at the back of every backlight.

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.



M12 / 5 pin female connector

- 1 = Brown = +24V
- 2 = White = trigger signal 5 to 24V
- 3 = blue = Pulse width signal 0 to 5V
- 4 = black = ground
- 5 = grey = Pulse intensity signal 0 to 5V