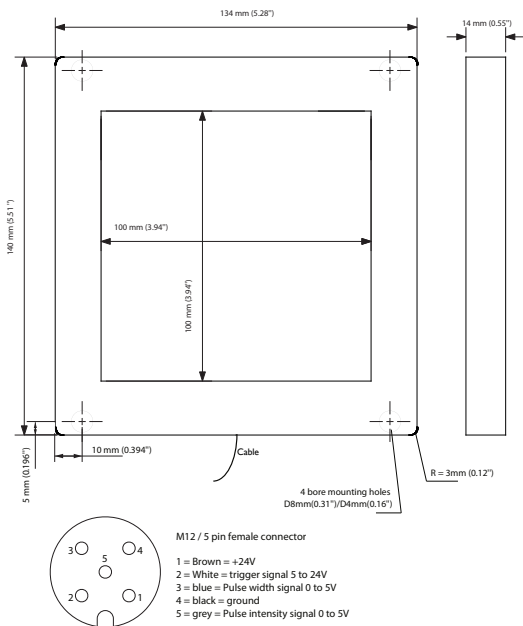


**NEW!**

# 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/m <sup>2</sup> continuous mode (up to 500 000 cd/m <sup>2</sup> 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

## 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")
<b>Connector</b>	<b>5 pin female M12</b>
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

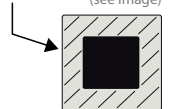
## Outer unit

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	800 g (28.223 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

Jan 16, 2019

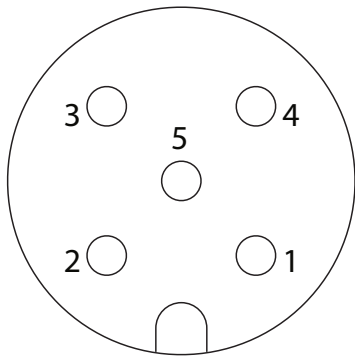
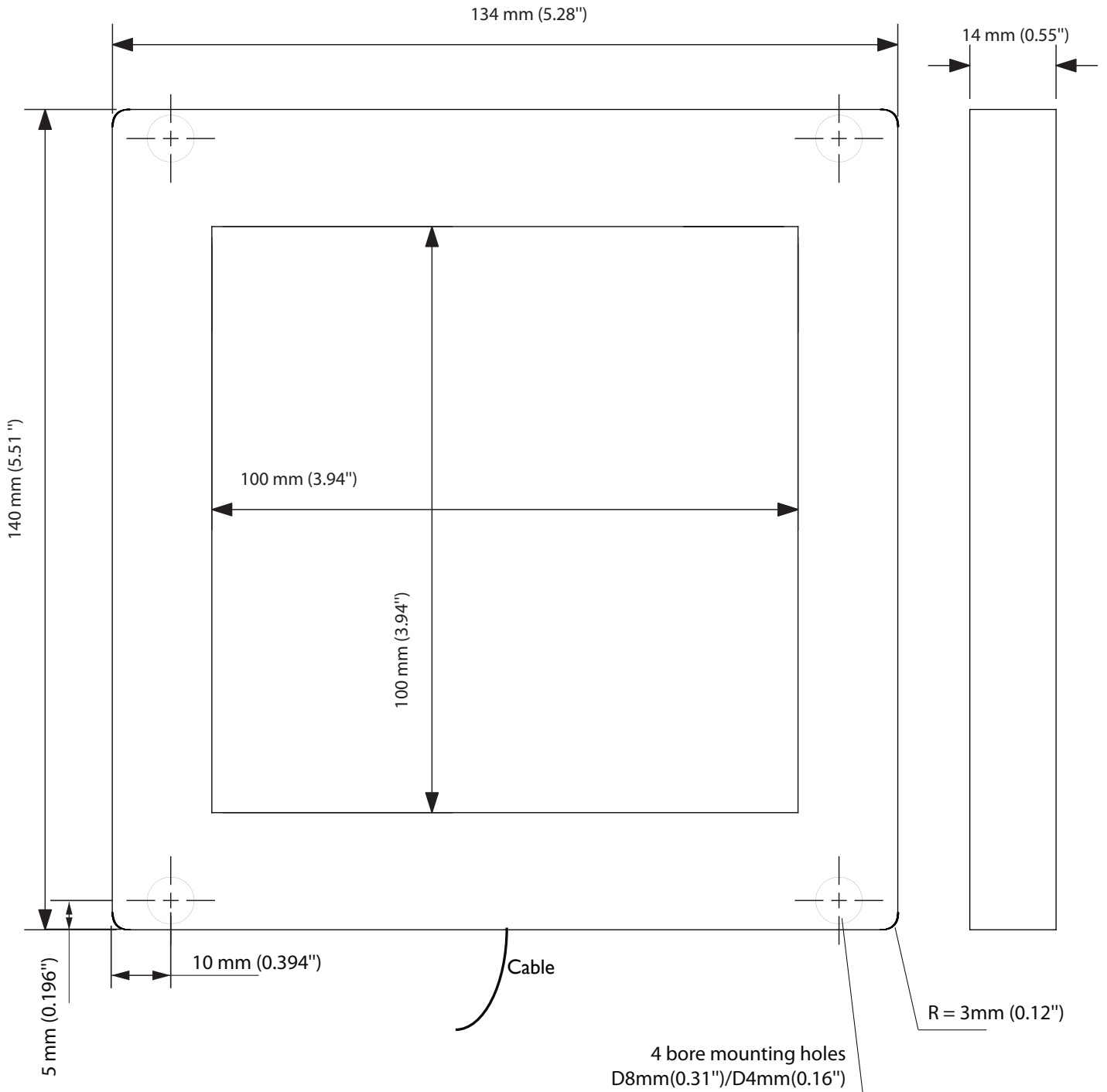
IFC Backlights by PHLOX® offer the best life cycle, the best chromaticity stability and the best luminance on the market, all in a compact and IP-65 body. PHLOX® is the only manufacturer to provide uniformity and luminance datas on the quality control seal positioned at the back of every backlight.

## 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.



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