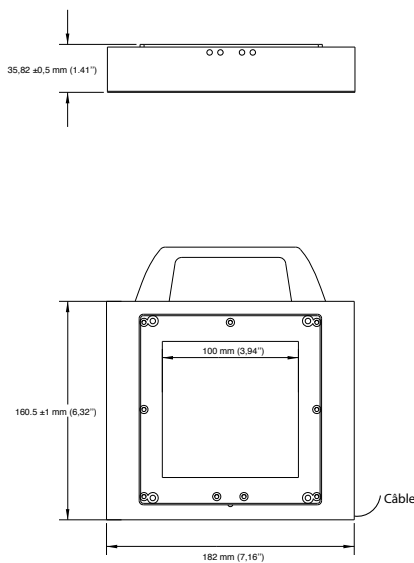


**NEW!**

# HSC (High Speed Camera) White led Backlight 100x100


PHLOX - LEDW - BL - 100x100 - HSC - Q - 1R - 24V



## Illumination

Luminance minimum	≥130 000 cd/m <sup>2</sup> continuous mode
Uniformity minimum	≥95% (+/- 10%)
Source Type	White LED
Colour Temperature	5000°K (+/-1000)
Light Angular Distribution	30° 1/2 angle
Expected Life	> 20 000 hours

## Electrical

Input Voltage	24 VDC (continuous mode)
Input Current	≤2.2 A (continuous mode)
Cable length	0.5 M - Ø 3,6 mm (1.64 ft - Ø 0.142")
Connector	None
Cable pinout	
CE Conformity	Yes
Strobe mode	Max. Cur: 8.8A / Pulse Width: 10ms / Duty Ratio: 1/10

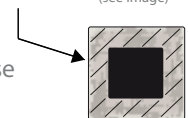
## Outer unit

L x W x H	160.5 x 182 x 35,82 mm (6.32 x 7.16 x 1.41") without handle
Housing Material	Black Anodized Aluminium
Weight	860 g (30.3 oz)

## Environmental

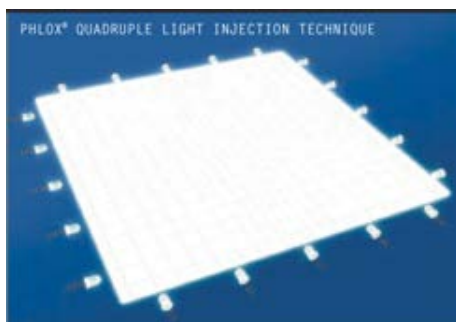
Max. Operating Humidity	95% non-condensing
Operating Temperature	40°C (104°F) max
Storage Temperature	50°C (122°F) max
Shelf life	12 months from date of purchase
Max. temp. on housing	110°C (+230°F) max

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.

HSC Backlights by PHLOX®, designed for the Phantom® High Speed Camera offer the best luminance on the market.



## INNOVATION

PHLOX® uses optical processes: a PMMA pipe lighted by a linear source made up of LED (Light Emitting Diodes). Our manufacturing process (CO<sub>2</sub> laser) enables us to combine refraction and diffusion which improves backlight luminance. Up to 90% of the light injected can be reemitted on the surface. Thanks to the use of mathematical models, PHLOX® emits light in a determinist and perfectly controlled manner

## DESIGNED FOR YOUR APPLICATION

Shadowgraphy, Particle analysis, Ballistics, Spray analysis (water, paint, fuel, etc...)  
Droplet impaction, Bubble formation, Powder, solid particles, Emulsions and dispersions  
Welding, Liquid interface .

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

July 21 2015