

A VISION
AHEAD



HOW TO READ THE PRODUCT KEY

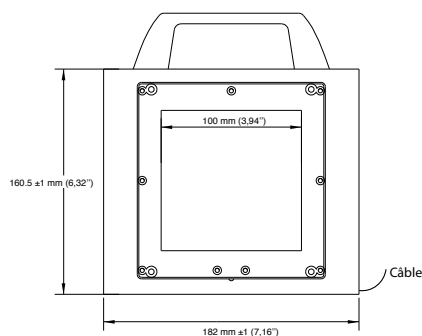
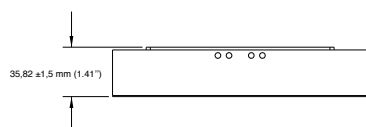
Manufacturer	Source colour	Light Output Area/Length	Injection process	Input voltage
PHLOX	- LEDW	- BL 100x100	- HSC	- Q - 1R - 24V - V2
Source type	Product type	Range	Number of light sources' rows per circu	

PHLOX® EXCLUSIVE LIGHT PROCESS
WORLDWIDE PATENT ISSUED

NEW!

HSC (High Speed Camera) White led Backlight 100x100

00000633 : PHLOX-LEDW-BL -100x100-HSC-Q-1R - 24V - V2



Illumination

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

≥161 000 cd/m² continuous mode
≥95% (+/- 10%)
White LED
5700°K (+/-500)
30° 1/2 angle
> 20 000 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)
≤2.2 A (continuous mode)
0.5 M – Ø 3,6 mm (1.64 ft – Ø 0.142'')
None
+
Yes
Max. Cur: 2.1A / 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
Weight

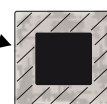
Black Anodized Aluminium
860 g (30.3 oz)

Environmental

Max. Operating Humidity
Operating Temperature
Storage Temperature
Shelf life
Max.temp.on housing

95% non-condensing
40°C (104°F) max
50°C (122°F) max
12 months from date of purchase
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.

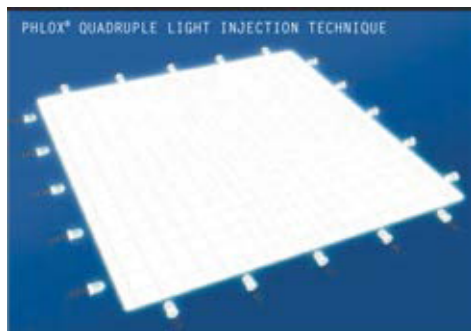
Accessories

LED Dimmer 28V-5A very compact and easy to use
Product key: PHLOX DIM LIGHT

LED Strobe 48V - 5A (up to 40A in pulse mode)
Pulse width between 2µs and 10ms
Product key: PHLOX STROBE LIGHT



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 (CO2 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

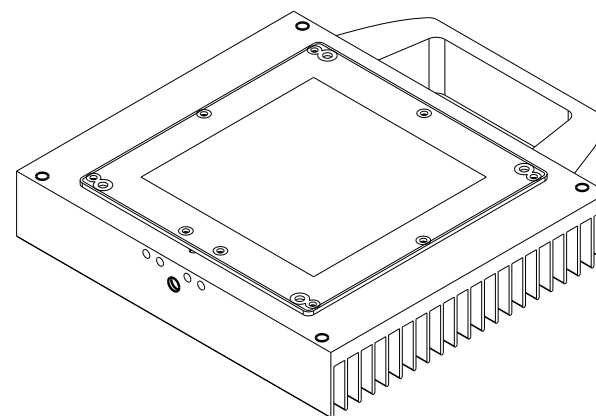
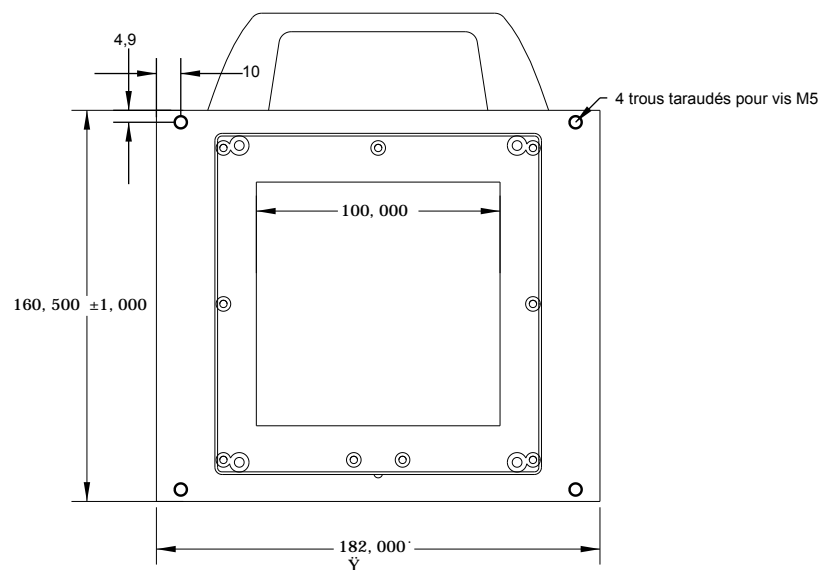
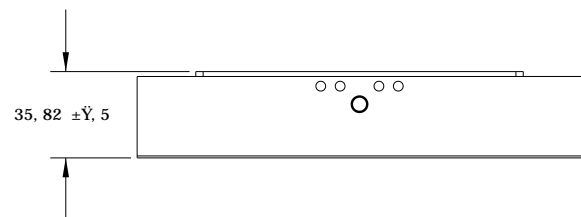
CLASS 0: NO RISK (CIE S2009:2002/NF EN 62471)

RoHS directive compliant

Each PHLOX Backlight is provided with:

- 24 months warranty
- Certificate of uniformity and luminance
- Seal of quality on the back

November, 9 2022



PROPRIÉTÉ DE PHLOX SA- REPRODUCTION INTERDITE SAUF ACCORD ÉCRIT

00000633 :PHLOX-LEDW-BL-100X100-HSC-Q-1R-24V-V2

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