

DATA SHEET - 36 months warranty
- Certificate of uniformity and luminance
- Seal of quality on the back

Avionics

White led Backlight for 4ATI LCD

PHLOX-LEDW-BL-4ATI-A-Q-1R-CUR



Illumination

Luminance on the backlight (typical)	≥7 000 cd/m ²
Luminance on the backlight (max.)	≥12 000 cd/m ²
Luminance through LCD (typical/max)	≥770 cd/m ² (11%)
Uniformity minimum	≥85% (+/- 10%)
Source Type	White LED
Colour temperature	5000° K (+/- 1000)
Light Angular Distribution	Lambertian
Expected Life (with typical luminance)	50 000 hours

Electrical

Input Current (typical)	0,3 A (+/-5%)
Input Current (max.)	0,7 A (+/-5%)
Power consumption (typical)	6 W
Power consumption (max.)	15 W
CE Conformity	Yes

Outer unit

L x W x H	98 x 98 x 11 mm (3.85 x 3.85 x 0.43")
Housing Material	1200 Alodine Anodized Aluminium
Weight	160 g (5.64 oz)

Environmental

Max. Operating Humidity	95% non-condensing
Storage Temperature	-40 / +50°C (-40 / +122°F)
Shelf life	12 months from date of purchase
Max.temp.on housing	+90°C (+194°F)

area of temperature measurement
30mm all along the edges of the back of the anodized aluminium backlight on the back of the backlight, along the edges (see image)



Heat sink in under Purchaser's responsibility. A heat dissipation is needed in order to not exceed the maximum temperature on the housing stated above.

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

Maintenance

To remove dust from the lighting surface, switch the backlight off before starting work, use exclusively ALTUGLAS CLEANER, on a clean, soft, lint-free cotton cloth Do not press hard on the lighting surface.

Warranty

See our General Conditions of Sales (GCS). For the coverage of our warranty, all the instructions in our GCS, in this Datasheet and on the back of the backlight shall be followed. Do not disassemble the backlight !

If a problem occurs send us the backlight serial number and a description of the problem to c.halladjian@mac.com and to cb.phlox@gmail.com. RMA n° will be sent to you.

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

RoHS or **NON-ROHS** if exemption

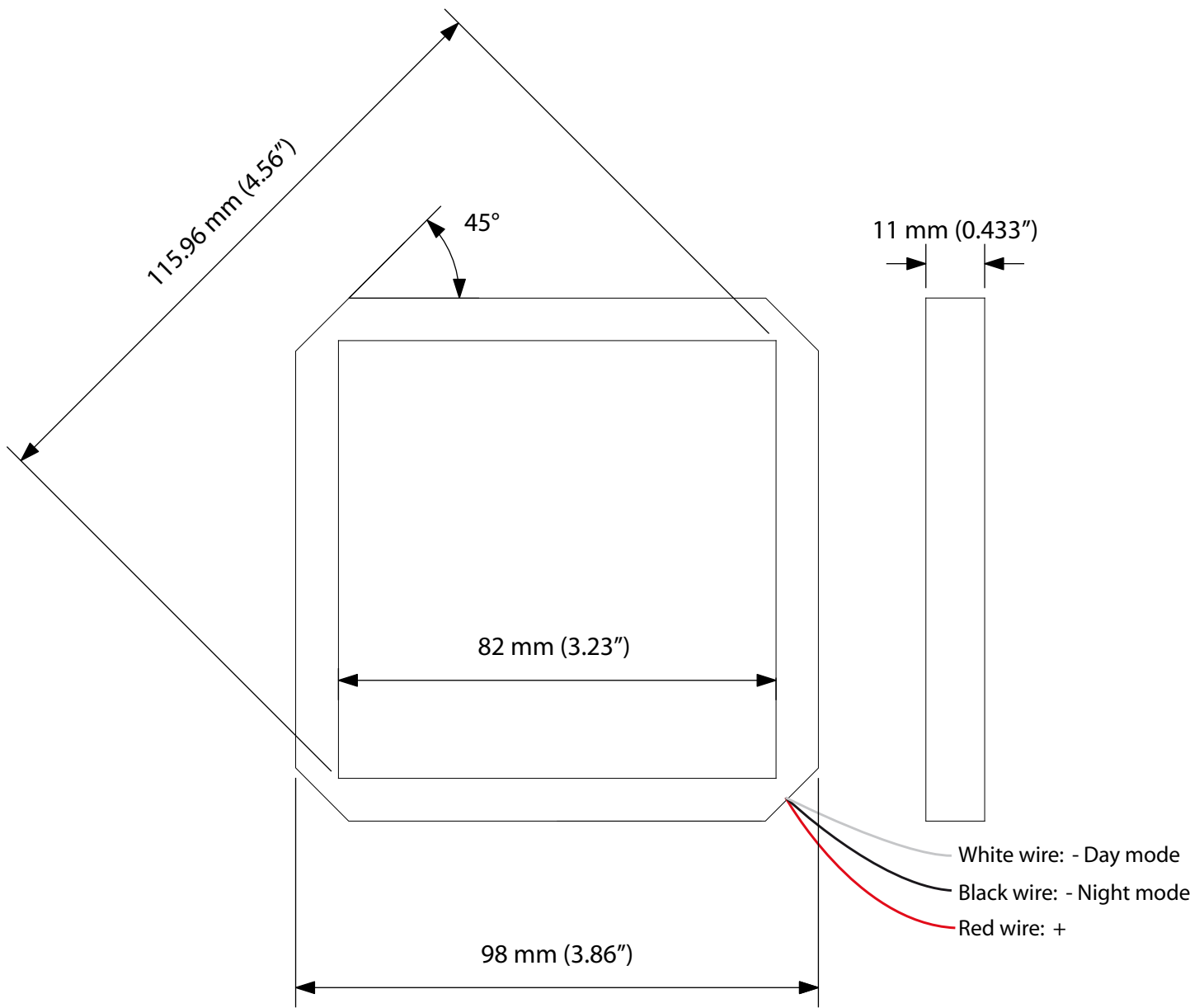
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The PHLOX® High Bright white led Backlights a new generation of backlights which enhances the MTBF and the efficiency, superior to competitive systems. PHLOX® technology is the result of several years of research in optics and electronics. This research has led to the filing of several international patents, proof of our technological advance. Our know-how is expressed in the manufacturing of the light guide according to the patented PHLOX® process and in the optimisation of its coupling with the light source, combined with high-grade optical components

PHLOX® Backlights excel in Civilian and Military Airplanes

"First of all, our clients have confidence in the intrinsic qualities of our products, their efficiency and low consumption of energy, obviously their luminance as well as their uniformity, their longevity and compact size...

Finally, our capacity to rapidly create prototypes (less than 5 weeks from design to delivery) is often a decisive factor."



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