

HB-5X1-FLAT-W

~55° wide beam with flat bottom structure allowing more freedom in PCB design

TECHNICAL SPECIFICATIONS:

Dimensions 123.0 x 25.0 mm

Height 8.5 mm

Fastening glue, screw, pin

Colour clear

Box size 480 x 280 x 300 mm

Box weight 8.4 kg Quantity in Box 504 pcs

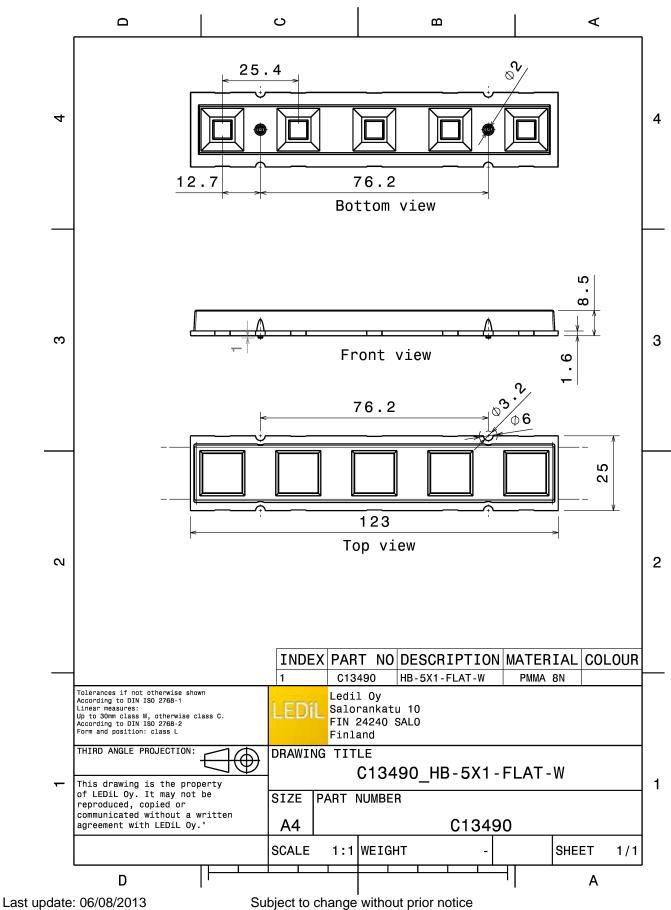
ROHS compliant yes 🕕



MATERIAL SPECIFICATIONS:

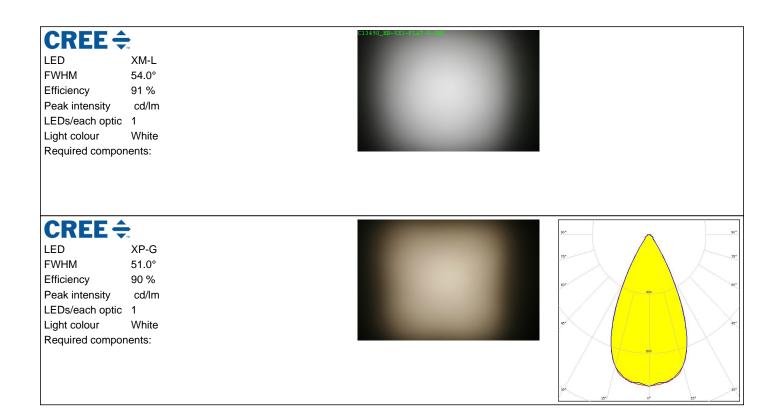
Colour Component **Type** Material HB-5X1-FLAT-W Multi-lens **PMMA** clear







PHOTOMETRIC DATA (MEASURED):



PHOTOMETRIC DATA (SIMULATED):

CREE 💠

LED XM-L2
FWHM 56.0°
Efficiency %
Peak intensity cd/lm

LEDs/each optic 1 Light colour White Required components:

CREE \$

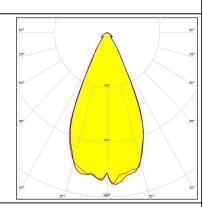
LED XP-E
FWHM 47.0°
Efficiency %
Peak intensity cd/lm

LEDs/each optic 1 Light colour White Required components:

CREE 🕏

LED XT-E
FWHM 50.0°
Efficiency %
Peak intensity cd/lm

LEDs/each optic 1 Light colour White Required components:



DESCRIPTION LUMILEDS

LED LUXEON A
FWHM 45.0°
Efficiency %
Peak intensity cd/lm

LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

MUMILEDS

LED LUXEON R
FWHM 45.0°
Efficiency %
Peak intensity
LEDs/each optic 1

White

MUMILEDS

Required components:

Light colour

LED LUXEON Rebel

FWHM 43.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1

Light colour White Required components:

MILEDS

LED LUXEON Rebel ES

FWHM 45.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White

Required components:

WNICHIA

LED NCSxx19A
FWHM 50.0°
Efficiency %
Peak intensity cd/lm

LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):



LED NVSxx19A
FWHM 50.0°
Efficiency %
Peak intensity
LEDs/each optic 1

Light colour White Required components:



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDIL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Local sales and technical support

www.ledil.com/ where_to_buy

Shipping locations

Salo, Finland Hong Kong, China

Distribution Partners

www.ledil.com/ where_to_buy