

HB-2X2-ON

~15° + 50° oval beam

TECHNICAL SPECIFICATIONS:

Dimensions 50.0 mm
Height 10 mm
Fastening screw
Colour clear

Box size 480 x 280 x 300 mm

Box weight 9.8 kg

Quantity in Box 800 pcs

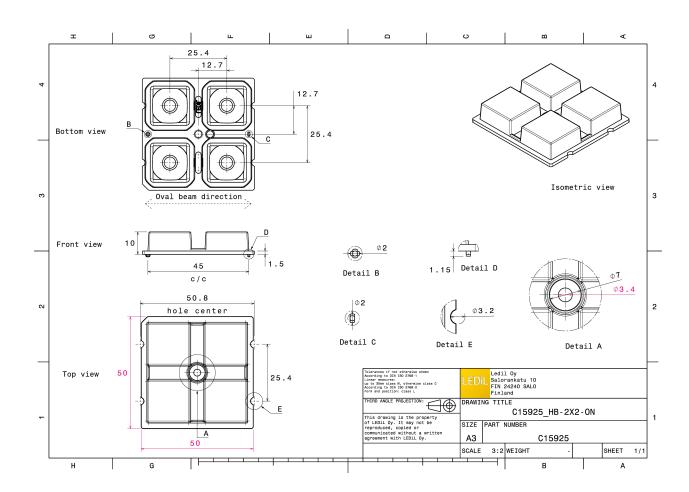
ROHS compliant yes 1



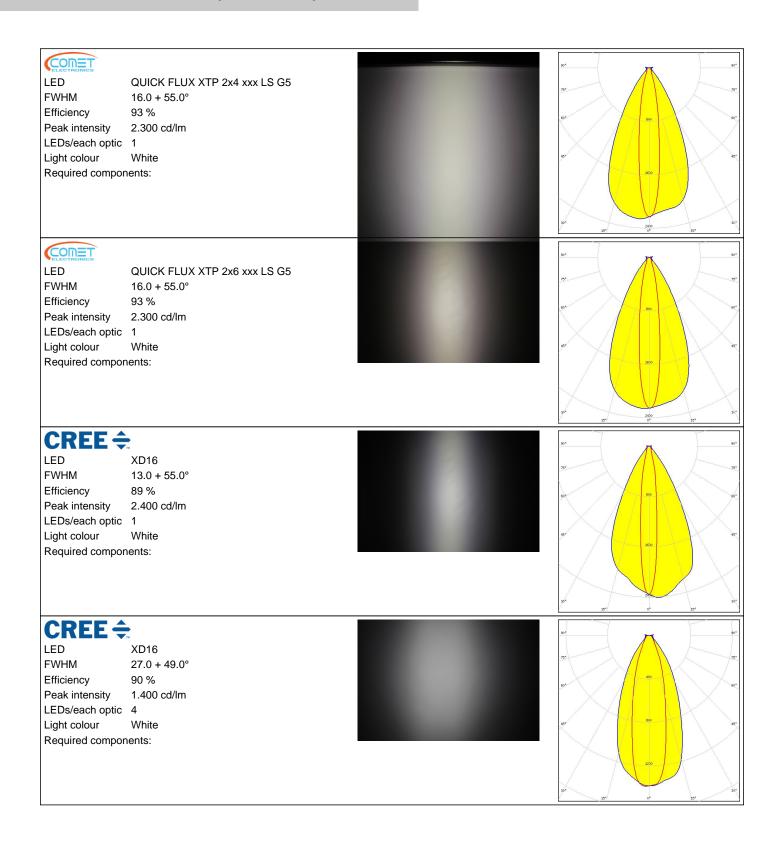
MATERIAL SPECIFICATIONS:

ComponentTypeMaterialColourHB-2X2-ONMulti-lensPMMAclear



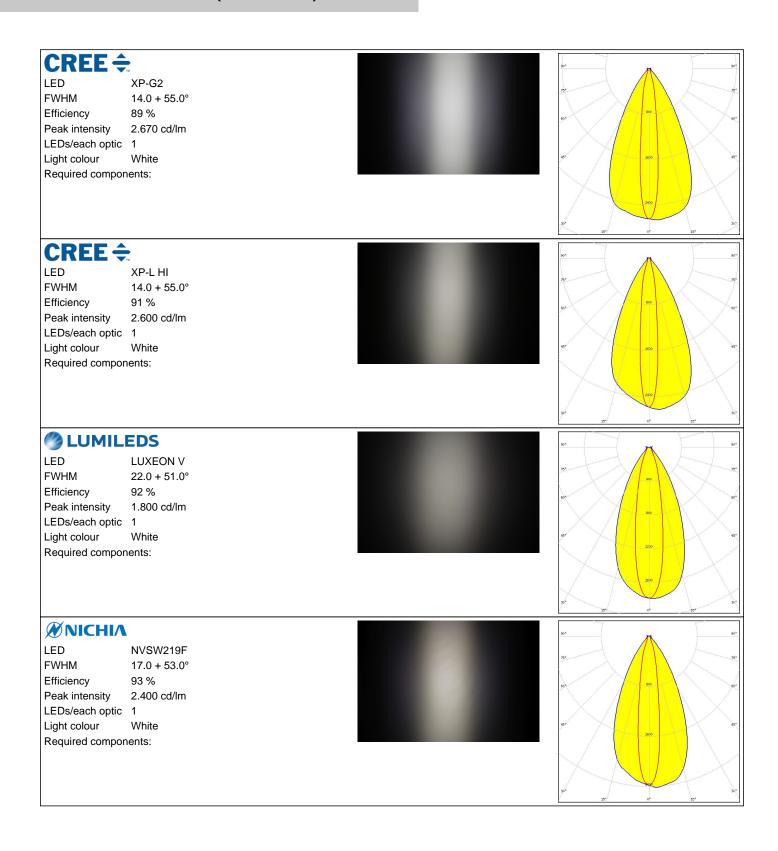


PHOTOMETRIC DATA (MEASURED):





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PHOTOMETRIC DATA (MEASURED):

WNICHIA LED NVSW319B **FWHM** $18.0 + 52.0^{\circ}$ Efficiency 93 % Peak intensity 2.300 cd/lm LEDs/each optic 1 Light colour White Required components: LED PrevaLED Brick HP 2x8 **FWHM** $15.0 + 54.0^{\circ}$ 91 % Efficiency Peak intensity 2.600 cd/lm LEDs/each optic 1 White Light colour Required components: OSRAM Opto Semiconductors LED OSLON Square CSSRM2/CSSRM3 **FWHM** 15.0 + 54.0° Efficiency 91 % Peak intensity 2.600 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED HiLOM RH16 (LH351C) **FWHM** 17.0 + 54.0° Efficiency 94 % Peak intensity 2.300 cd/lm LEDs/each optic 1 White Light colour Required components:

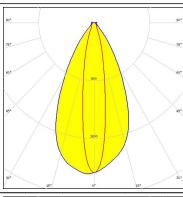
PHOTOMETRIC DATA (MEASURED):



LED Z5M3
FWHM 18.0 + 53.0°
Efficiency 93 %
Peak intensity 2.100 cd/lm
LEDs/each optic 1
Light colour White

Required components:







 LED
 Z8Y22

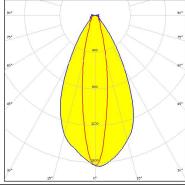
 FWHM
 20.0 + 53.0°

 Efficiency
 91 %

 Peak intensity
 1.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:





TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD

FWHM $15.0 + 55.0^{\circ}$ Efficiency 94 % Peak intensity 2.500 cd/lm

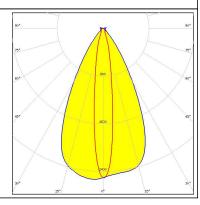
LEDs/each optic 1 Light colour White Required components:

TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD

FWHM 15.0 + 55.0° Efficiency 94 % Peak intensity 2.500 cd/lm





PHOTOMETRIC DATA (SIMULATED):

CREE 💠

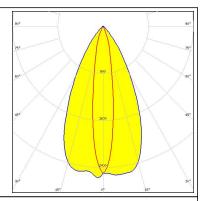
 LED
 XHP35 HI

 FWHM
 16.0 + 50.0°

 Efficiency
 90 %

 Peak intensity
 0.000 cd/lm

LEDs/each optic 1
Light colour White
Required components:



CREE ÷

 LED
 XP-E2

 FWHM
 10.0 + 50.0°

 Efficiency
 90 %

 Peak intensity
 0.000 cd/lm

LEDs/each optic 1 Light colour White Required components:

CREE 🕏

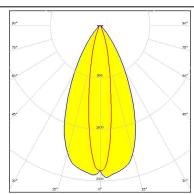
 LED
 XP-G2 HE

 FWHM
 18.0 + 51.0°

 Efficiency
 90 %

 Peak intensity
 2.357 cd/lm

LEDs/each optic 1
Light colour White
Required components:



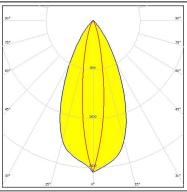
CREE 🕏

 LED
 XP-G3

 FWHM
 17.0 + 48.0°

 Efficiency
 89 %

 Peak intensity
 0.000 cd/lm



PHOTOMETRIC DATA (SIMULATED):

CREE 💠

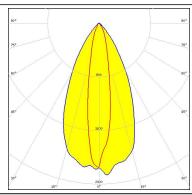
 LED
 XP-L HD

 FWHM
 18.0 + 50.0°

 Efficiency
 88 %

 Peak intensity
 0.000 cd/lm

LEDs/each optic 1 Light colour White Required components:



CREE ÷

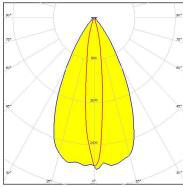
 LED
 XT-E

 FWHM
 14.0 + 55.0°

 Efficiency
 91 %

 Peak intensity
 2.900 cd/lm

LEDs/each optic 1 Light colour White Required components:

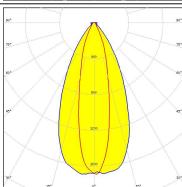


UMILEDS

LED LUXEON 5050 Round LES

FWHM $23.0 + 51.0^{\circ}$ Efficiency 89 % Peak intensity 1.700 cd/lm

LEDs/each optic 1
Light colour White
Required components:



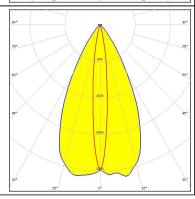
DESCRIPTION LUMILEDS

 LED
 LUXEON C

 FWHM
 12.0 + 54.0°

 Efficiency
 91 %

 Peak intensity
 3.400 cd/lm

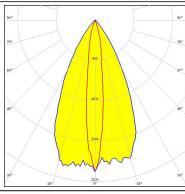


PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON TX **FWHM** $14.0 + 50.0^{\circ}$ Efficiency 90 % Peak intensity 0.000 cd/lm

LEDs/each optic 1 Light colour White Required components:

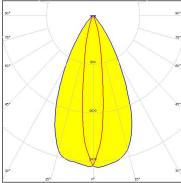


WNICHIA

LED NVSxx19B/NVSxx19C

FWHM 16.0 + 53.0° 90 % Efficiency Peak intensity 2.540 cd/lm

LEDs/each optic 1 White Light colour Required components:

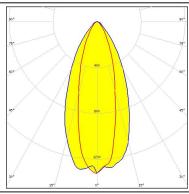


OSRAM Opto Semiconductors

LED Duris S8 **FWHM** $29.0 + 49.0^{\circ}$ Efficiency 84 % Peak intensity 1.400 cd/lm

LEDs/each optic 1 Light colour White Required components:

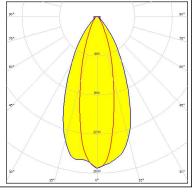
Transparent protective cover



OSRAM Opto Semiconductors

LED Duris S8 **FWHM** $26.0 + 49.0^{\circ}$ Efficiency 88 % 1.590 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:





PHOTOMETRIC DATA (SIMULATED):

OSRAM

LED

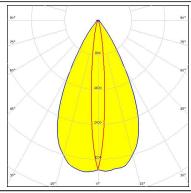
Peak intensity

OSCONIQ P 3030 10.0 + 56.0°

FWHM 94 % Efficiency

3.504 cd/lm

LEDs/each optic 1 Light colour White Required components:



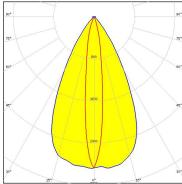
OSRAM Opto Semiconductors

LED

OSCONIQ P 3737 (2W version)

FWHM 13.0 + 56.0° 93 % Efficiency Peak intensity 2.910 cd/lm

LEDs/each optic 1 White Light colour Required components:

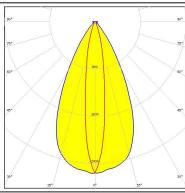


OSRAM Opto Semiconductors

LED OSCONIQ P 3737 Flat

FWHM 16.0 + 54.0° Efficiency 92 % Peak intensity 2.579 cd/lm

LEDs/each optic 1 Light colour White Required components:

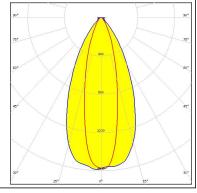




LED SEOUL DC 5050 6V

FWHM $26.0 + 50.0^{\circ}$ Efficiency 90 % 1.600 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:





PHOTOMETRIC DATA (SIMULATED):

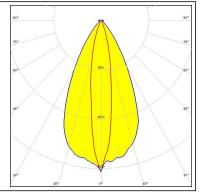


 LED
 Z8Y22T

 FWHM
 16.0 + 52.0°

 Efficiency
 90 %

 Peak intensity
 2.460 cd/lm





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:

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