

HB-2X2-RW

~50° wide beam optimized for CREE XP-L and XM-L

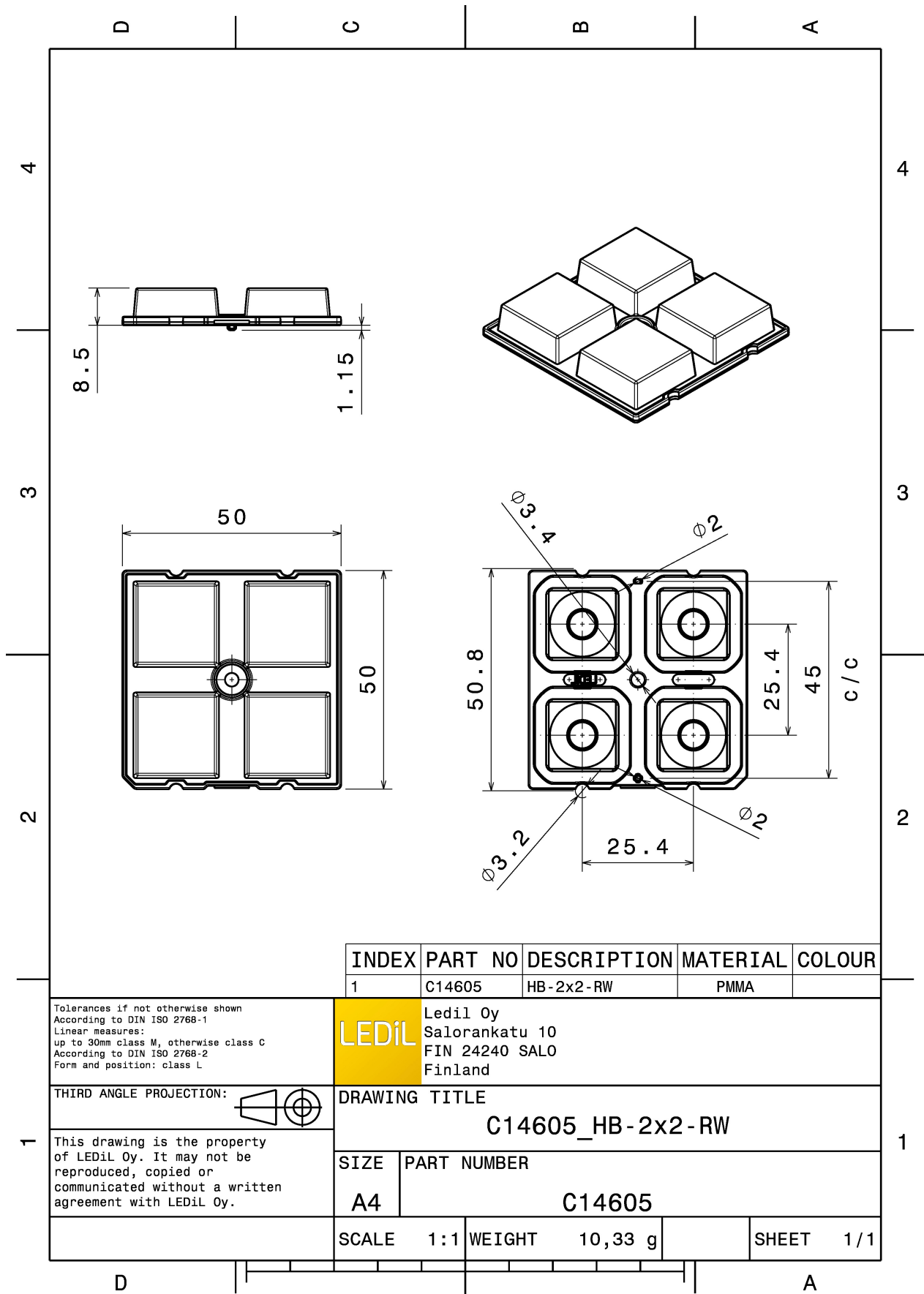
TECHNICAL SPECIFICATIONS:

Dimensions	50.0 mm
Height	8.5 mm
Fastening	pin, screw
Colour	clear
Box size	476 x 273 x 292 mm
Box weight	9.1 kg
Quantity in Box	800 pcs
ROHS compliant	yes ⓘ


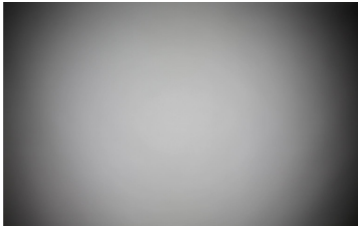
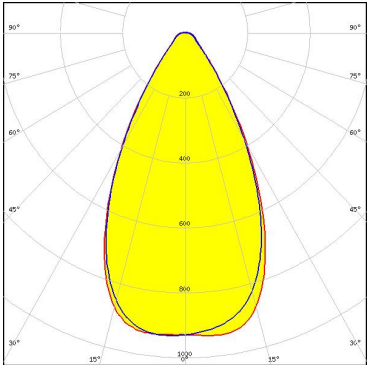

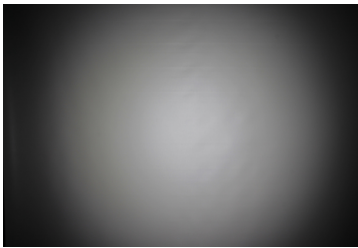
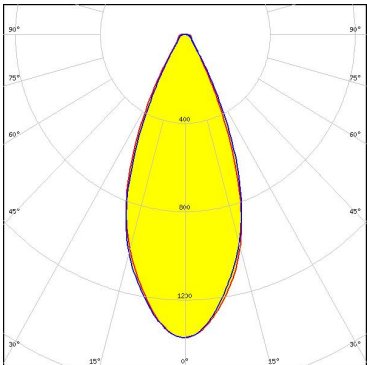

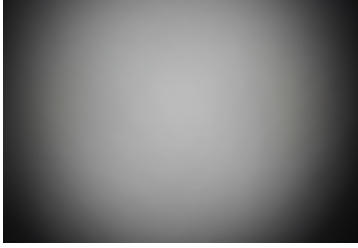
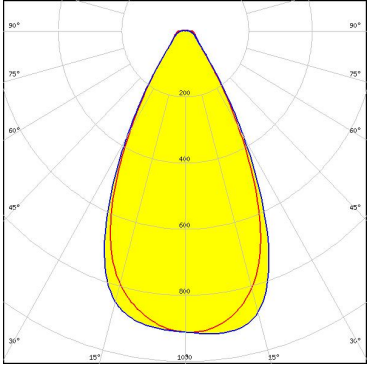

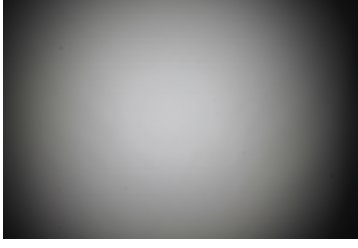
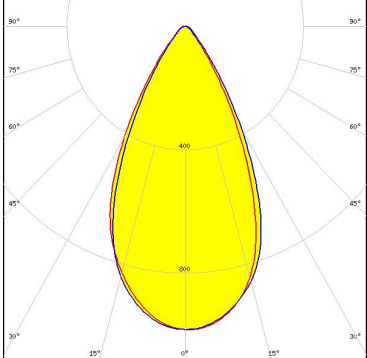


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
HB-2X2-RW	Lens array	PMMA	clear



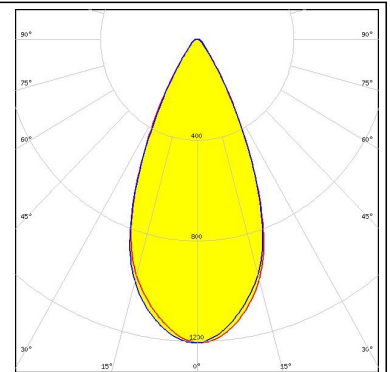
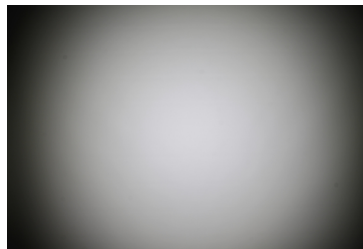
PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED SMD 5050 FWHM 56.0° Efficiency 94 % Peak intensity 0.940 cd/lm Required components:</p>		
<p></p> <p>LED XD16 FWHM 44.0° Efficiency 90 % Peak intensity 1.400 cd/lm Required components:</p>		
<p></p> <p>LED XD16 2x2 cluster FWHM 54.0° Efficiency 92 % Peak intensity 0.920 cd/lm Required components:</p>		
<p></p> <p>LED XHP35 HD FWHM 53.0° Efficiency 84 % Peak intensity 0.990 cd/lm Required components:</p>		

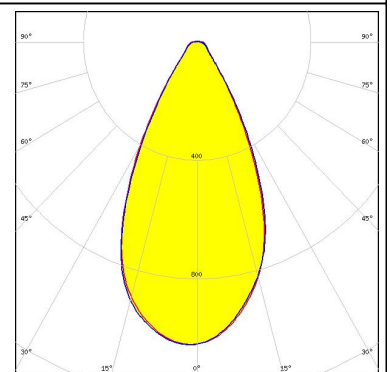
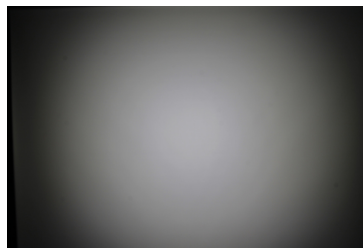
PHOTOMETRIC DATA (MEASURED):



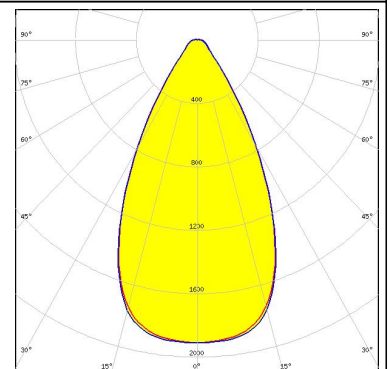
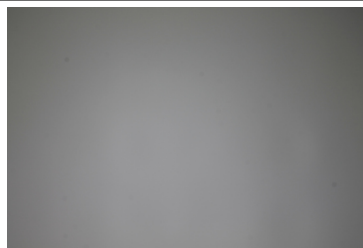
LED XP-G3
FWHM 48.0°
Efficiency 86 %
Peak intensity 1.200 cd/lm
Required components:



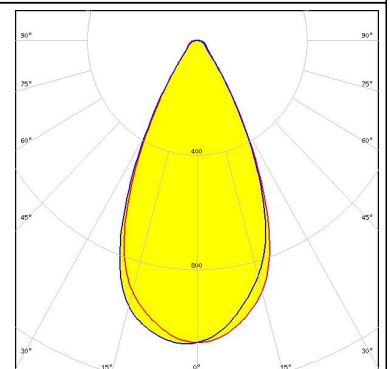
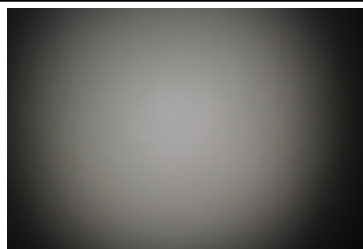
LED XP-L2
FWHM 52.0°
Efficiency 92 %
Peak intensity 1.000 cd/lm
Required components:



LED LUXEON 5050
FWHM 55.0°
Efficiency 94 %
Peak intensity 0.990 cd/lm
Required components:



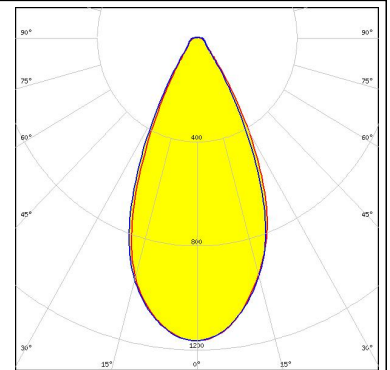
LED LUXEON V
FWHM 52.0°
Efficiency 93 %
Peak intensity 1.100 cd/lm
Required components:



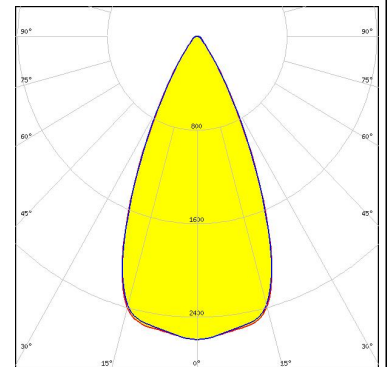
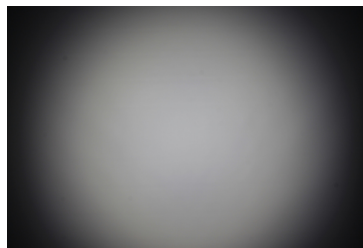
PHOTOMETRIC DATA (MEASURED):



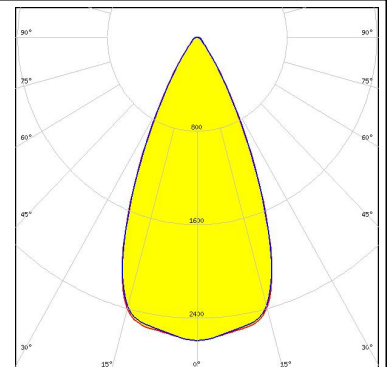
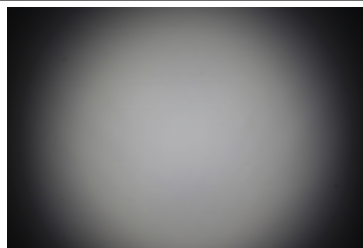
LED NVSW3x9A
FWHM 50.0°
Efficiency 93 %
Peak intensity 1.200 cd/lm
Required components:



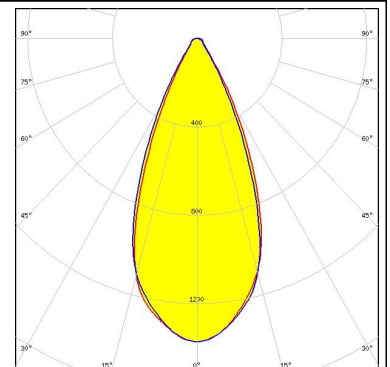
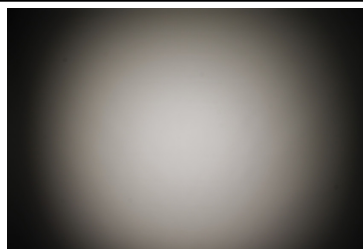
LED PrevaLED Brick DC 2x8
FWHM 49.0°
Efficiency 94 %
Peak intensity 1.300 cd/lm
Required components:



LED Oslon Square Gen3
FWHM 49.0°
Efficiency 94 %
Peak intensity 1.300 cd/lm
Required components:



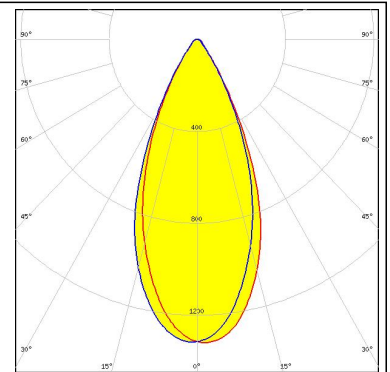
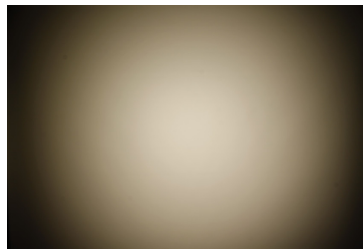
LED Fortimo FastFlex LED board 2x8 DA G4
FWHM 45.0°
Efficiency 93 %
Peak intensity 1.400 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

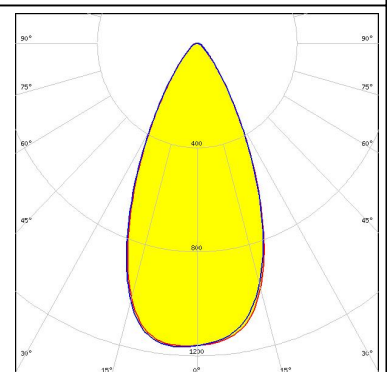
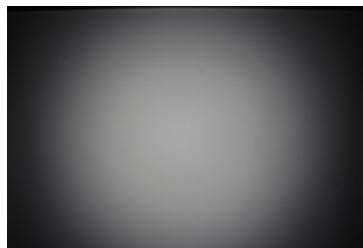
SAMSUNG

LED LH351B
FWHM 45.0°
Efficiency 86 %
Peak intensity 1.320 cd/lm
Required components:



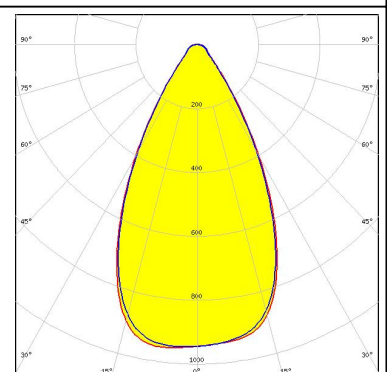
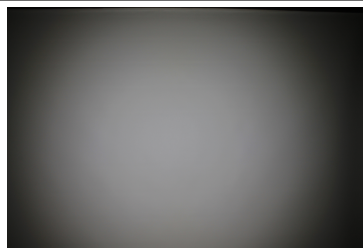
SAMSUNG

LED LH351D
FWHM 49.0°
Efficiency 94 %
Peak intensity 0.000 cd/lm
Required components:



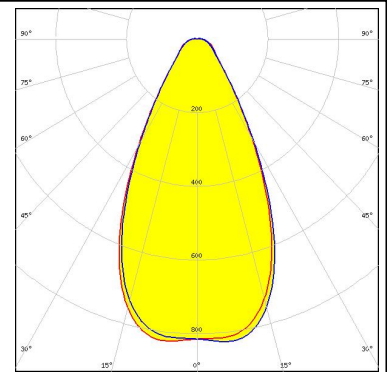
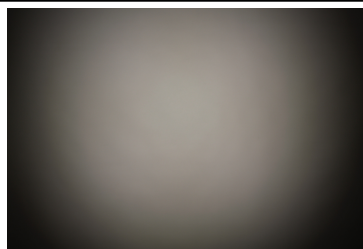
SAMSUNG

LED LH508A
FWHM 56.0°
Efficiency 93 %
Peak intensity 0.950 cd/lm
Required components:



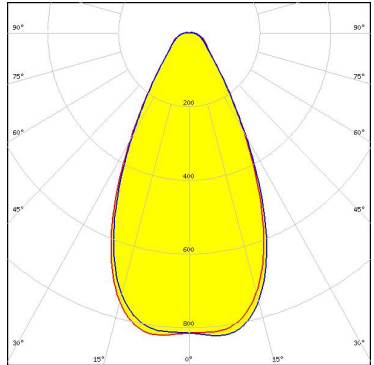

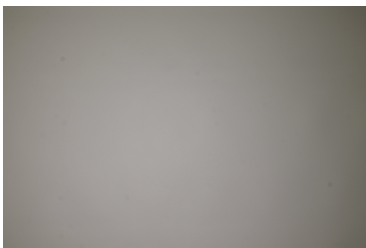
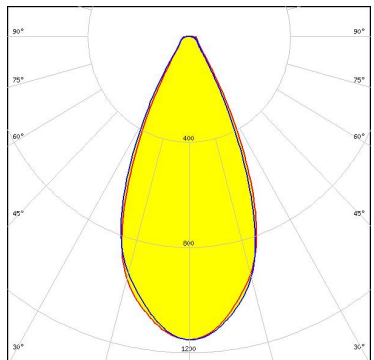

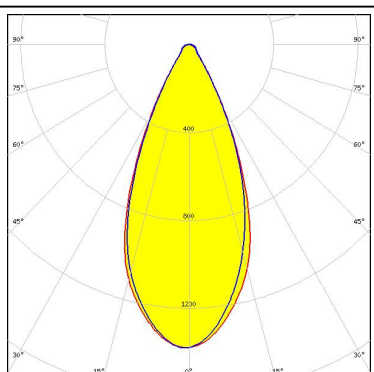

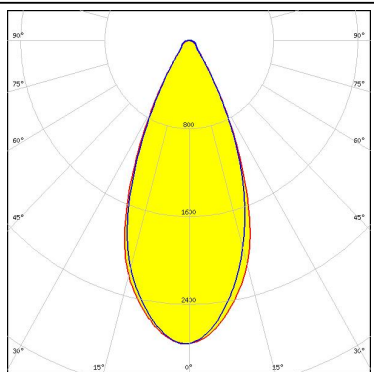


SEOUL SEMICONDUCTOR

LED SMJQ-D48W16AA-XX
FWHM 54.0°
Efficiency 92 %
Peak intensity 0.840 cd/lm
Required components:



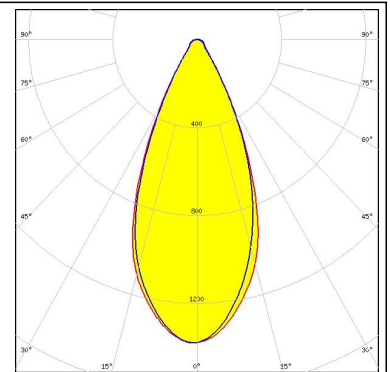
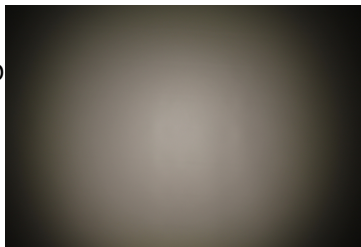
PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y19 2x2 cluster FWHM 54.0° Efficiency 92 % Peak intensity 0.840 cd/lm Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P FWHM 48.0° Efficiency 92 % Peak intensity 1.200 cd/lm Required components:</p>		
<p>TRIDONIC</p> <p>LED RLE G1 49x121mm 2000lm xxx EXC OTD FWHM 46.0° Efficiency 94 % Peak intensity 1.400 cd/lm Required components:</p>		
<p>TRIDONIC</p> <p>LED RLE G1 49x133mm 2000lm xxx EXC OTD FWHM 46.0° Efficiency 94 % Peak intensity 1.400 cd/lm Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

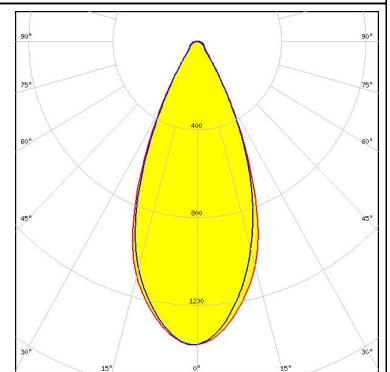
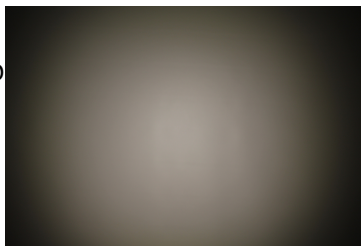
TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM 46.0°
Efficiency 94 %
Peak intensity 1.400 cd/lm
Required components:



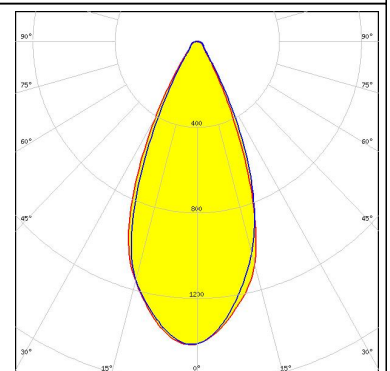
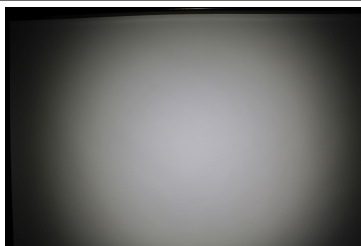
TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM 46.0°
Efficiency 94 %
Peak intensity 1.400 cd/lm
Required components:



TRIDONIC

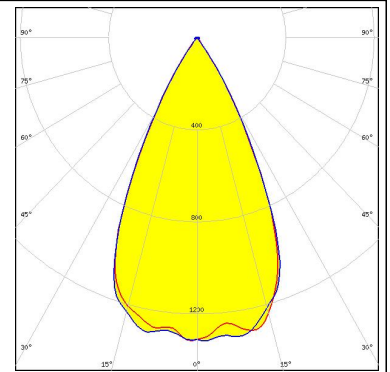
LED RLE G2 HP 2x8 4000lm
FWHM 46.0°
Efficiency 94 %
Peak intensity 1.400 cd/lm
Required components:



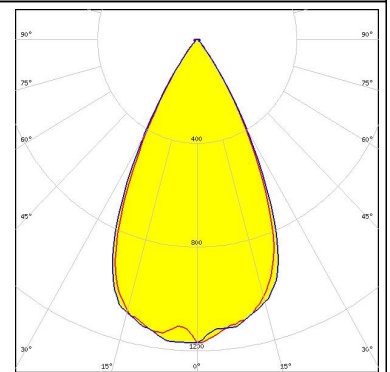
PHOTOMETRIC DATA (SIMULATED):



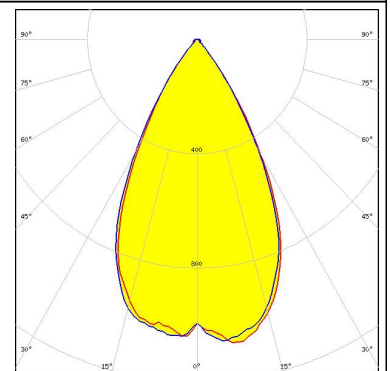
LED XHP35 HI
FWHM 52.0°
Efficiency 93 %
Peak intensity 1.400 cd/lm
Required components:



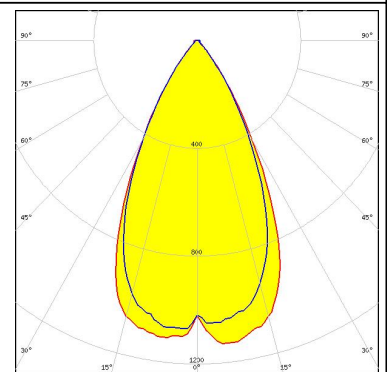
LED XM-L
FWHM 54.0°
Efficiency 92 %
Peak intensity 1.180 cd/lm
Required components:



LED XP-L
FWHM 55.0°
Efficiency 93 %
Peak intensity 1.080 cd/lm
Required components:



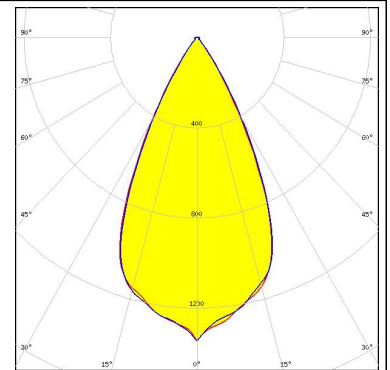
LED Duris S8
FWHM 53.0°
Efficiency 91 %
Peak intensity 1.100 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):

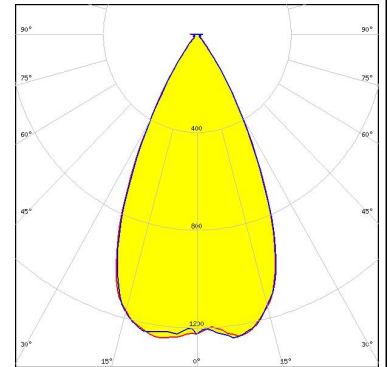
OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
FWHM 52.0°
Efficiency 94 %
Peak intensity 1.350 cd/lm
Required components:



PHILIPS

LED Fortimo FastFlex LED board 2x8 DAX C
FWHM 51.0°
Efficiency 94 %
Peak intensity 1.300 cd/lm
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.

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