

HB-2X2-RS

~10° spot beam

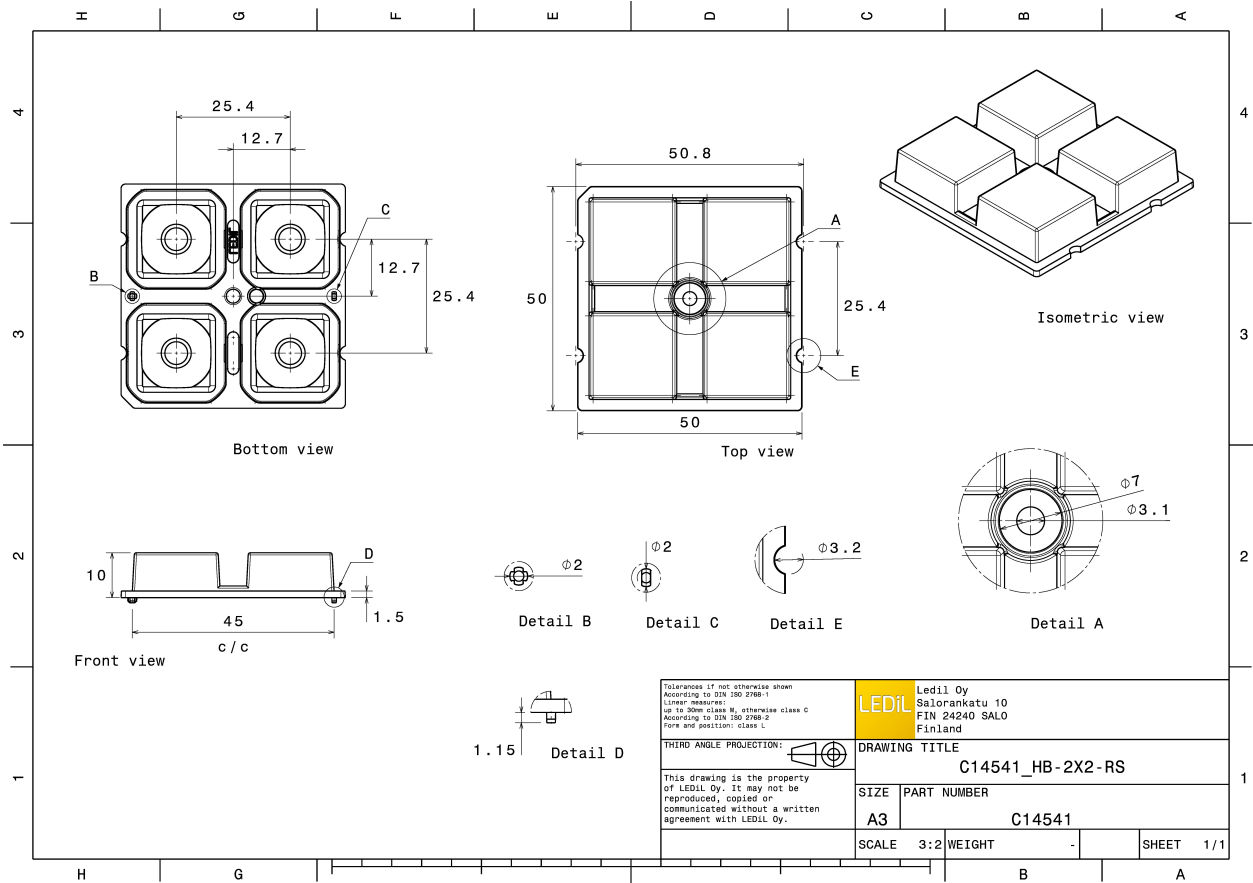
TECHNICAL SPECIFICATIONS:

Dimensions	50 x 50 mm
Height	10 mm
Fastening	screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	10.2 kg
Quantity in Box	800 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

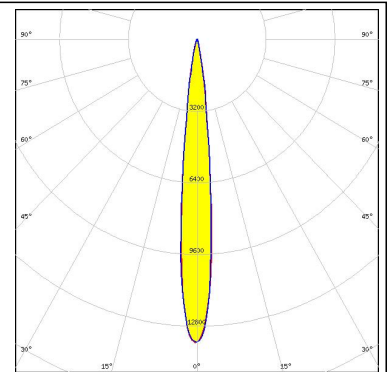
Component	Type	Material	Colour
HB-2X2-RS	Lens array	PMMA	clear



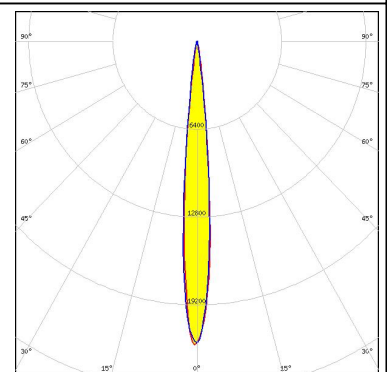
PHOTOMETRIC DATA (MEASURED):



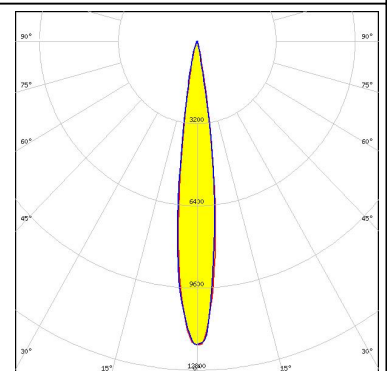
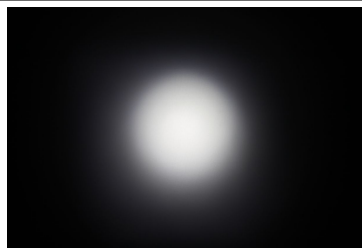
LED XD16
 FWHM 11.0°
 Efficiency 93 %
 Peak intensity 13.500 cd/lm
 Required components:



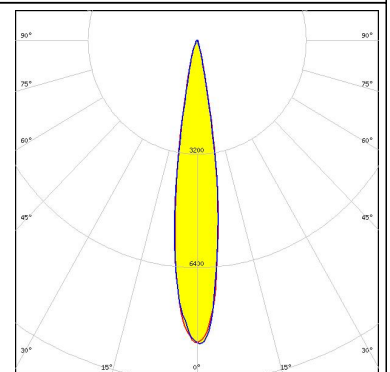
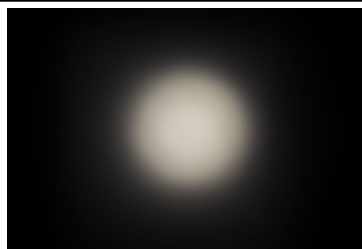
LED XP-E2
 FWHM 10.0°
 Efficiency 94 %
 Peak intensity 22.100 cd/lm
 Required components:



LED XP-G2
 FWHM 14.0°
 Efficiency 94 %
 Peak intensity 11.800 cd/lm
 Required components:



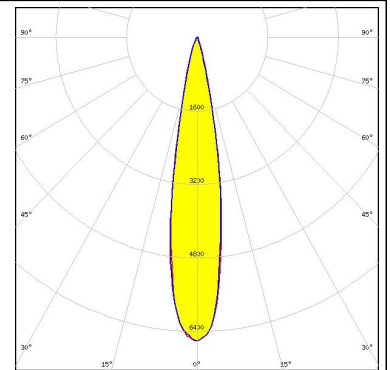
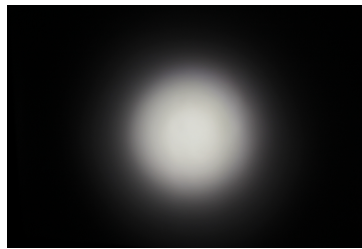
LED NVSW219D
 FWHM 17.0°
 Efficiency 94 %
 Peak intensity 8.600 cd/lm
 Required components:



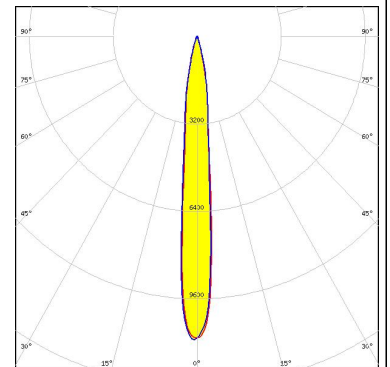
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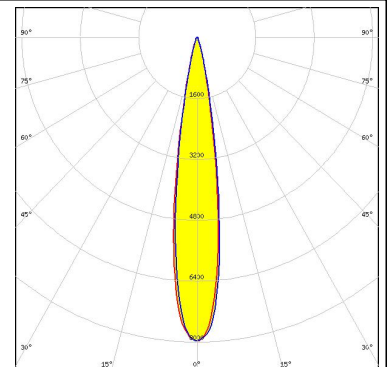
LED NVSW3x9A
 FWHM 19.0°
 Efficiency 94 %
 Peak intensity 6.600 cd/lm
 Required components:



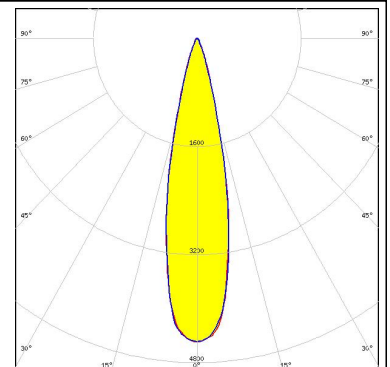
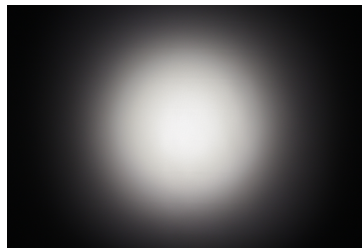
LED NVSxE21A
 FWHM 11.0°
 Efficiency 89 %
 Peak intensity 11.100 cd/lm
 Required components:



LED NVSxx19B/NVSxx19C
 FWHM 17.0°
 Efficiency 93 %
 Peak intensity 8.000 cd/lm
 Required components:



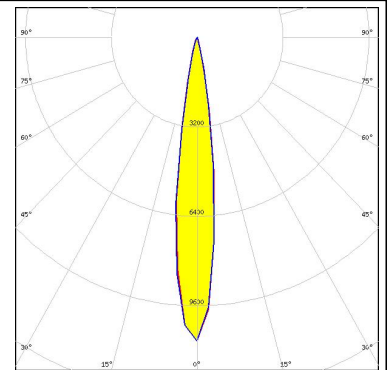
LED NWSx229A
 FWHM 23.0°
 Efficiency 94 %
 Peak intensity 4.500 cd/lm
 Required components:



PHOTOMETRIC DATA (MEASURED):

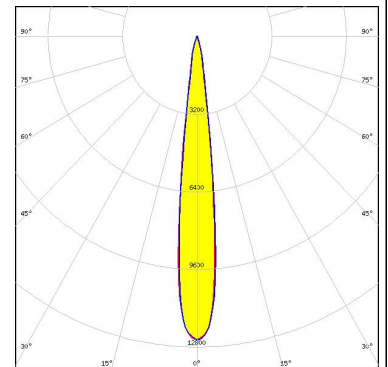
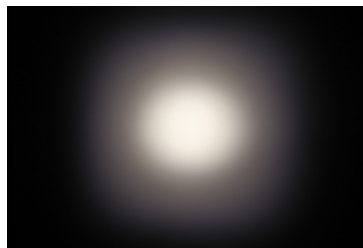
OSRAM
Opto Semiconductors

LED Oslon Square Gen3
FWHM 15.0°
Efficiency 90 %
Peak intensity 11.000 cd/lm
Required components:



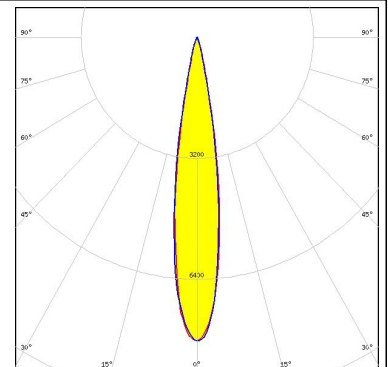
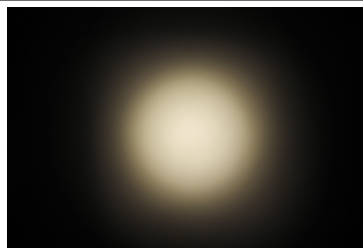
PHILIPS

LED Fortimo FastFlex LED board 2x8 DA G4
FWHM 13.0°
Efficiency 93 %
Peak intensity 12.500 cd/lm
Required components:



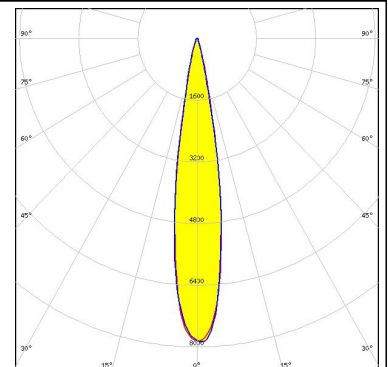
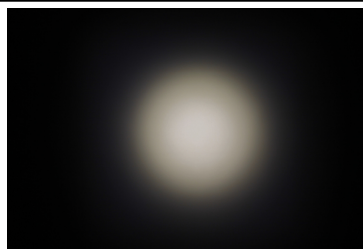
SAMSUNG

LED LH351B
FWHM 17.0°
Efficiency 89 %
Peak intensity 8.040 cd/lm
Required components:



SAMSUNG

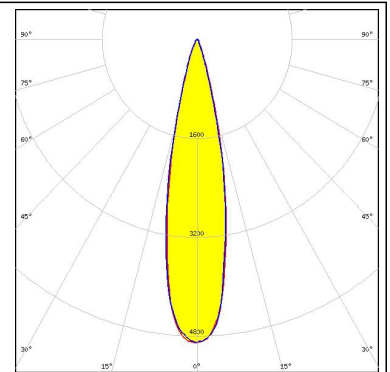
LED LH351C
FWHM 18.0°
Efficiency 94 %
Peak intensity 7.900 cd/lm
Required components:



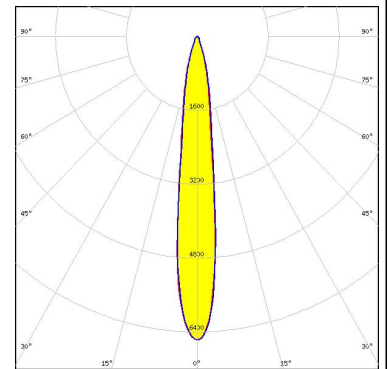
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SAMSUNG

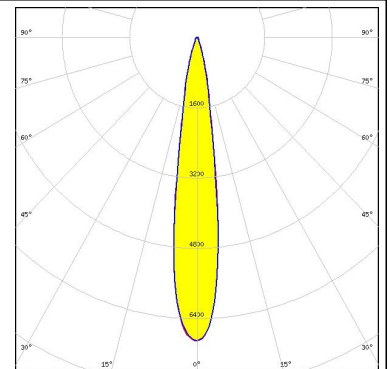
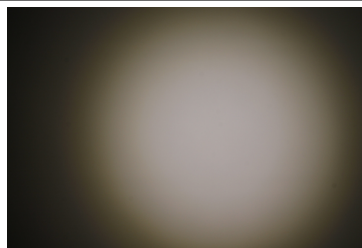
LED LH351D
 FWHM 22.0°
 Efficiency 94 %
 Peak intensity 4.900 cd/lm
 Required components:



LED Z8Y22
 FWHM 14.0°
 Efficiency 94 %
 Peak intensity 6.600 cd/lm
 Required components:

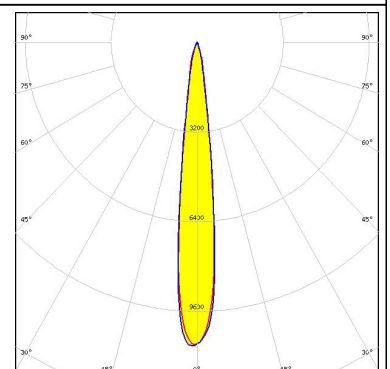


LED Z8Y22P
 FWHM 16.0°
 Efficiency 93 %
 Peak intensity 6.900 cd/lm
 Required components:



TRIDONIC

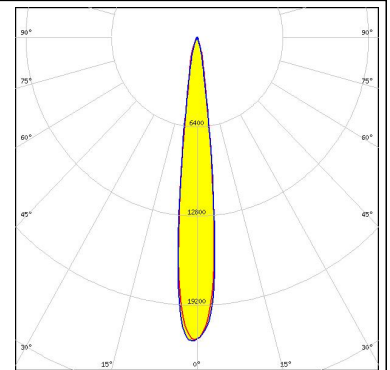
LED RLE G1 49x121mm 2000lm xxx EXC OTD
 FWHM 13.0°
 Efficiency 94 %
 Peak intensity 10.900 cd/lm
 Required components:



PHOTOMETRIC DATA (MEASURED):

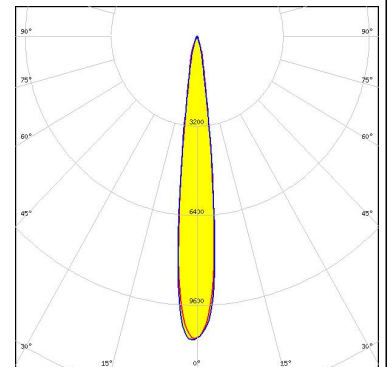
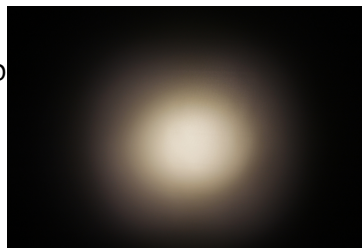
TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM 13.0°
Efficiency 94 %
Peak intensity 10.900 cd/lm
Required components:



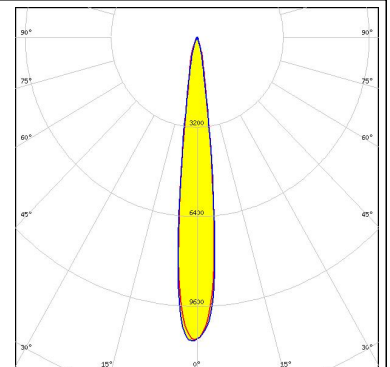
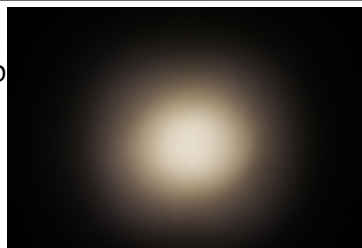
TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM 13.0°
Efficiency 94 %
Peak intensity 10.900 cd/lm
Required components:



TRIDONIC

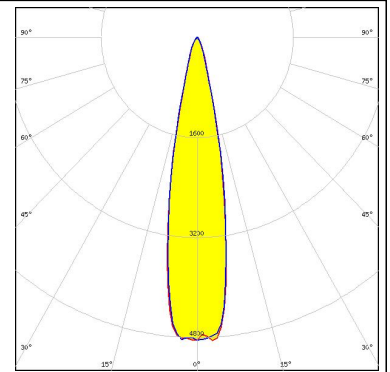
LED RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM 13.0°
Efficiency 94 %
Peak intensity 10.900 cd/lm
Required components:



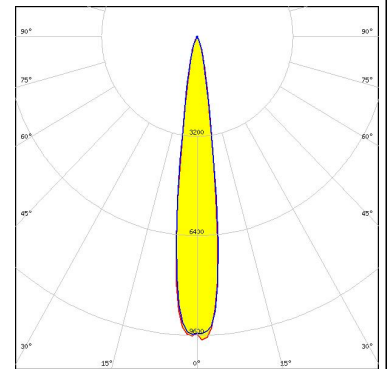
PHOTOMETRIC DATA (SIMULATED):



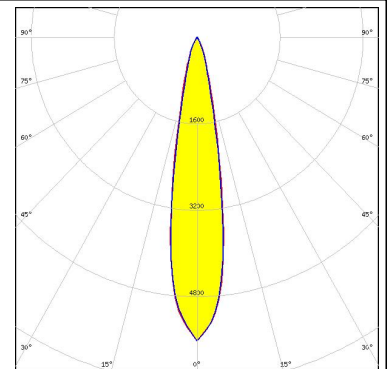
LED XHP35 HD
 FWHM 20.0°
 Efficiency 91 %
 Peak intensity 5.100 cd/lm
 Required components:



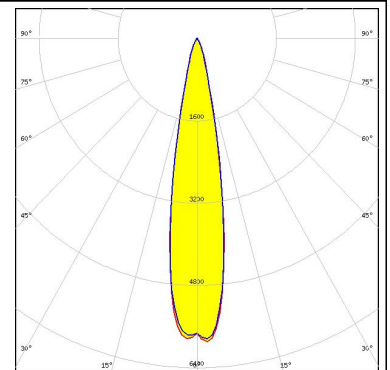
LED XHP35 HI
 FWHM 14.0°
 Efficiency 93 %
 Peak intensity 9.900 cd/lm
 Required components:



LED XM-L
 FWHM 19.0°
 Efficiency 92 %
 Peak intensity 5.620 cd/lm
 Required components:



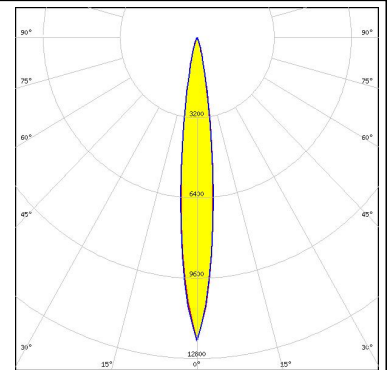
LED XM-L2
 FWHM 18.0°
 Efficiency 95 %
 Peak intensity 6.900 cd/lm
 Required components:



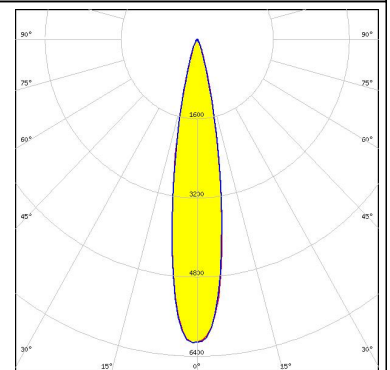
PHOTOMETRIC DATA (SIMULATED):



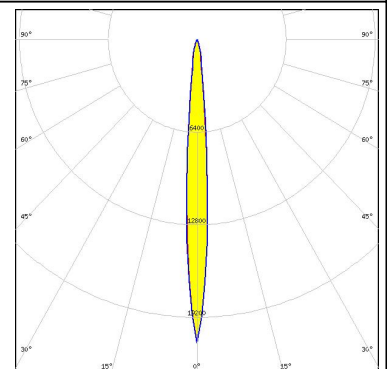
LED XP-G
 FWHM 13.0°
 Efficiency 93 %
 Peak intensity 12.100 cd/lm
 Required components:



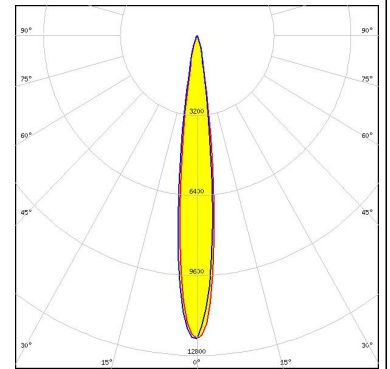
LED XP-L
 FWHM 19.0°
 Efficiency 94 %
 Peak intensity 6.140 cd/lm
 Required components:



LED Oslon SSL 80
 FWHM 8.2°
 Efficiency 94 %
 Peak intensity 21.000 cd/lm
 Required components:



LED Z5M1/Z5M2
 FWHM 13.0°
 Efficiency 92 %
 Peak intensity 12.100 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:

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