

STRADA-2X2-CAT

Catenary street light beam optimized for EN13201 M-classes

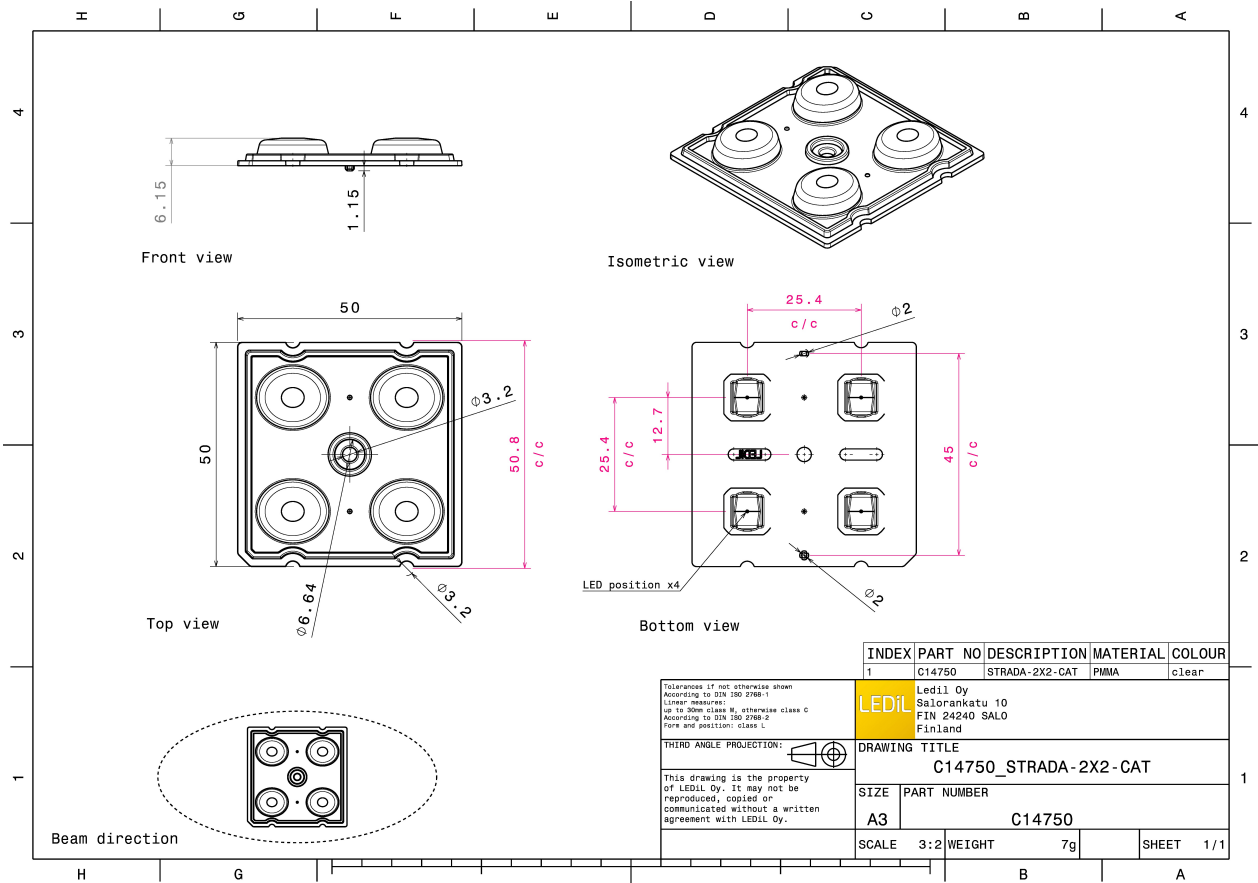
TECHNICAL SPECIFICATIONS:

Dimensions	50.0 mm
Height	6.2 mm
Fastening	glue, pin, screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	6.3 kg
Quantity in Box	800 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

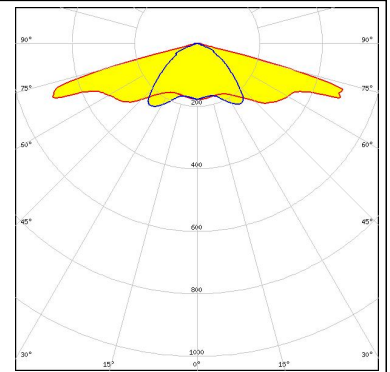
Component	Type	Material	Colour
STRADA-2X2-CAT	Multi-lens	PMMA	clear



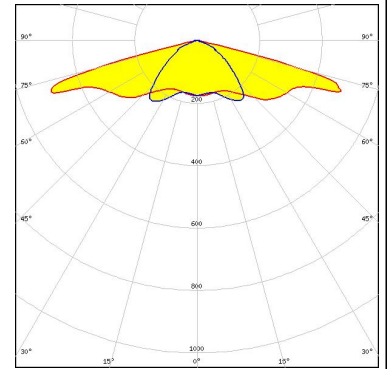
PHOTOMETRIC DATA (MEASURED):



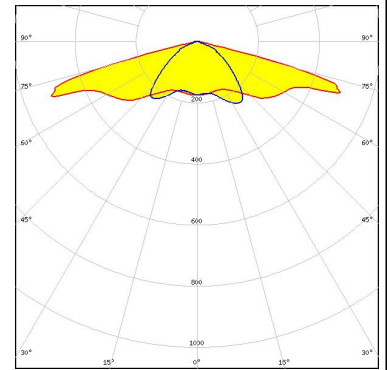
LED QUICK FLUX XTP 2x4 xxx LS G5
FWHM 152.0 + 117.0°
Efficiency 94 %
Peak intensity 0.490 cd/lm
LEDs/each optic 1
Light colour White
Required components:



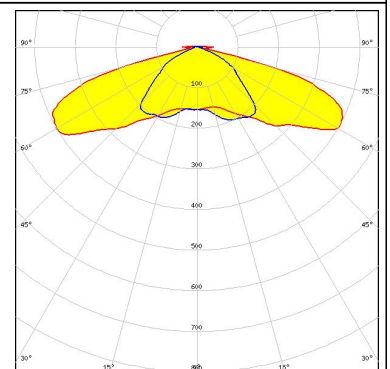
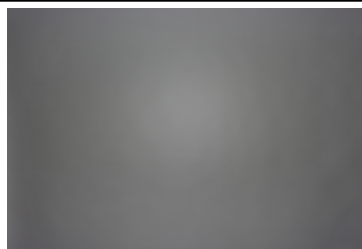
LED QUICK FLUX XTP 2x6 xxx LS G5
FWHM 153.0 + 118.0°
Efficiency 94 %
Peak intensity 0.490 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED QUICK FLUX XTP 2x8 xxx LS G5
FWHM 152.0 + 118.0°
Efficiency 94 %
Peak intensity 0.510 cd/lm
LEDs/each optic 1
Light colour White
Required components:



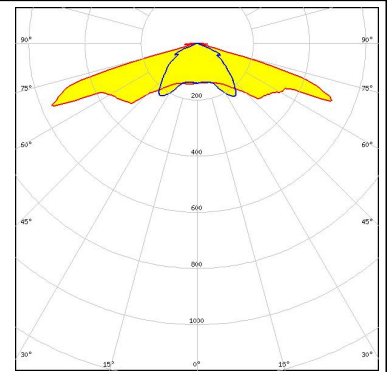
LED XD16
FWHM 150.0 + 126.0°
Efficiency 94 %
Peak intensity 0.400 cd/lm
LEDs/each optic 4
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

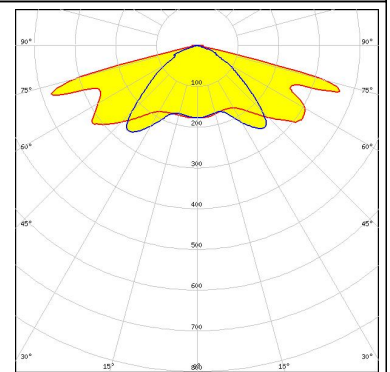
CREE

LED XD16
 FWHM 148.0 + 133.0°
 Efficiency 94 %
 Peak intensity 0.570 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



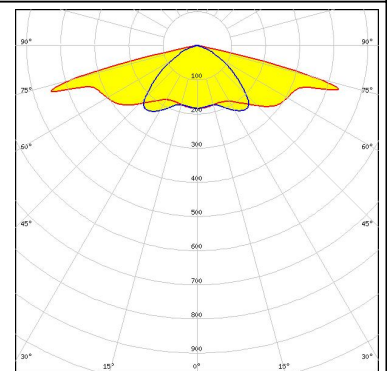
CREE

LED XP-G2
 FWHM 153.0 + 118.0°
 Efficiency 94 %
 Peak intensity 0.380 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



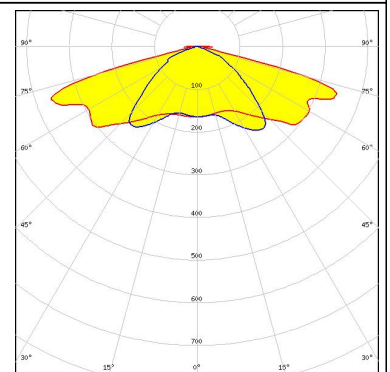
CREE

LED XP-G2 HE
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.447 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE

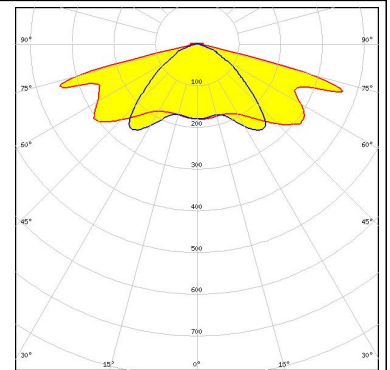
LED XP-G3
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.360 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



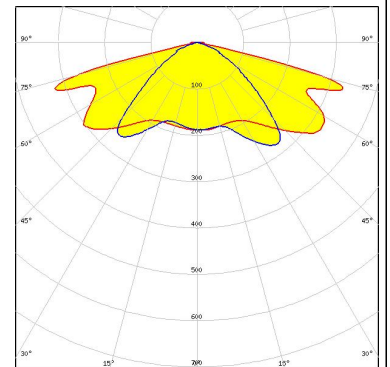
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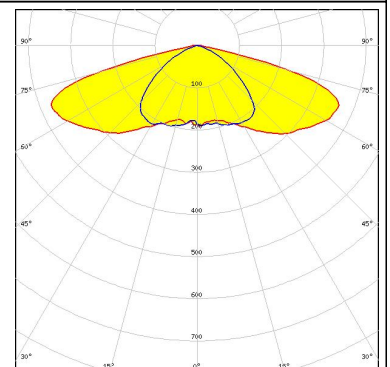
LED XP-L HI
 FWHM 153.0 + 118.0°
 Efficiency 94 %
 Peak intensity 0.370 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



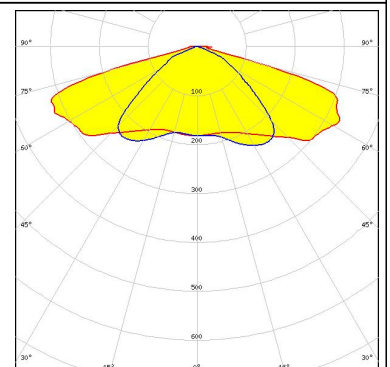
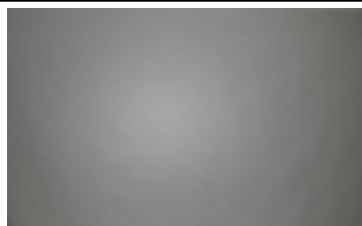
LED H35C1 (LEMWA33)
 FWHM 154.0 + 116.0°
 Efficiency 94 %
 Peak intensity 0.330 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 5050 Round LES
 FWHM 149.0 + 119.0°
 Efficiency 94 %
 Peak intensity 0.430 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



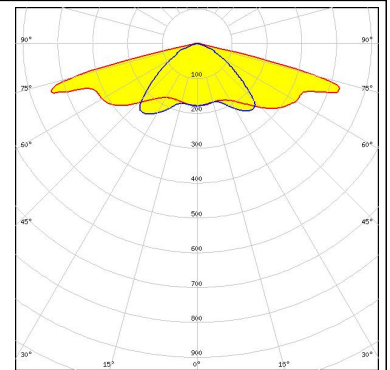
LED LUXEON V
 FWHM 152.0 + 117.0°
 Efficiency 94 %
 Peak intensity 0.330 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



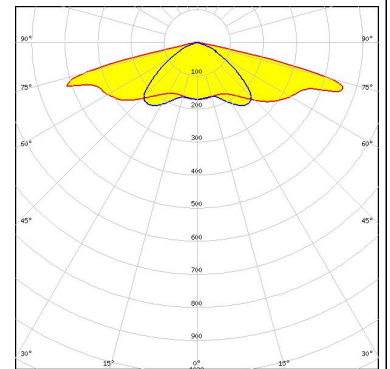
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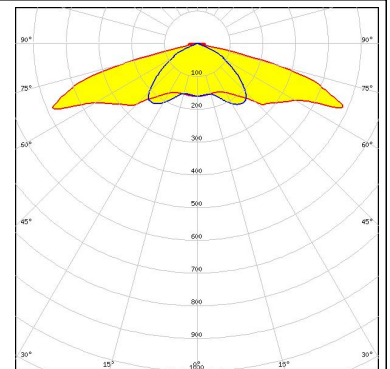
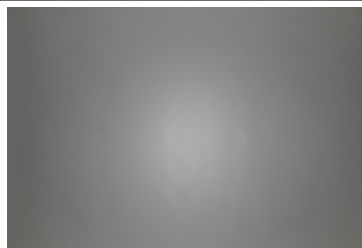
LED NVSW219F
 FWHM 154.0 + 118.0°
 Efficiency 94 %
 Peak intensity 0.440 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



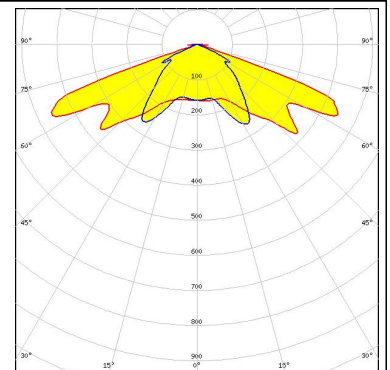
LED NVSW319B
 FWHM 155.0 + 120.0°
 Efficiency 94 %
 Peak intensity 0.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW3x9A
 FWHM 152.0 + 125.0°
 Efficiency 94 %
 Peak intensity 0.490 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



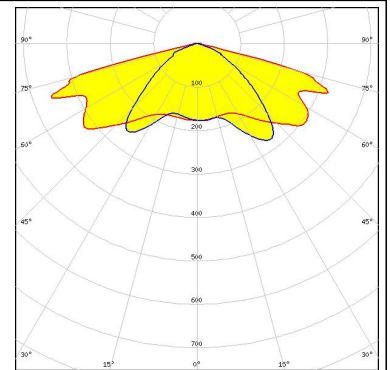
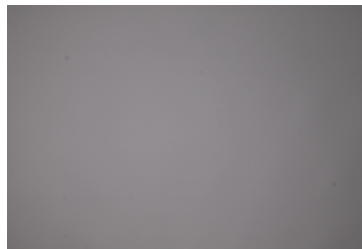
LED NVSxE21A
 FWHM 142.0 + 130.0°
 Efficiency 94 %
 Peak intensity 0.470 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

OSRAM

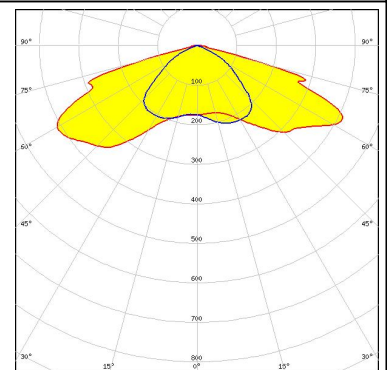
LED PrevaLED Brick HP 2x8
 FWHM 152.0 + 119.0°
 Efficiency 94 %
 Peak intensity 0.360 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

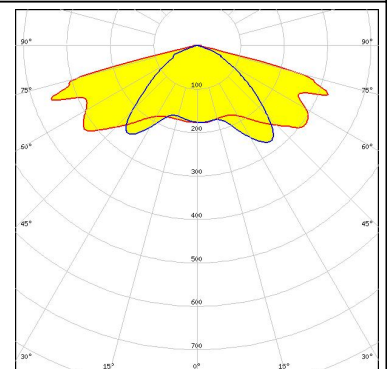
LED Duris S8
 FWHM 150.0 + 117.0°
 Efficiency 94 %
 Peak intensity 0.410 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

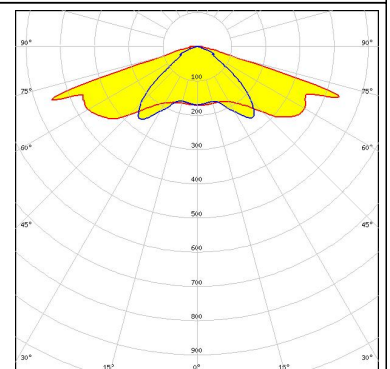
LED OSLON Square CSSRM2/CSSRM3
 FWHM 152.0 + 119.0°
 Efficiency 94 %
 Peak intensity 0.360 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

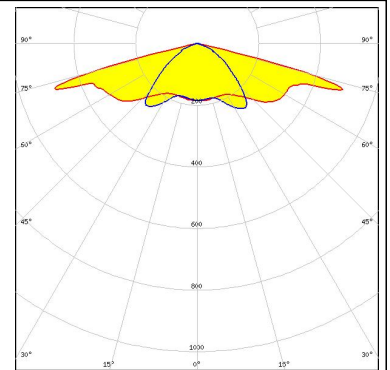
LED OSLON Square PC
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.460 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

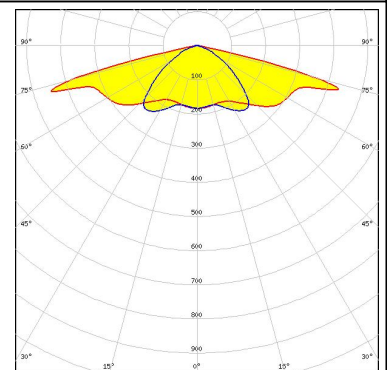
PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4
FWHM 117.0 + 153.0°
Efficiency 94 %
Peak intensity 0.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



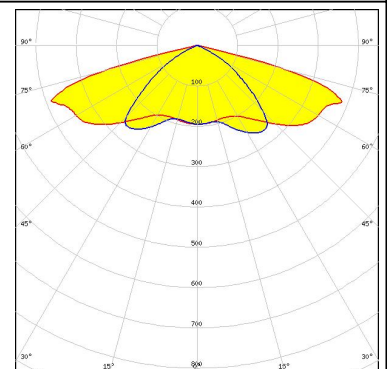
PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.447 cd/lm
LEDs/each optic 1
Light colour White
Required components:



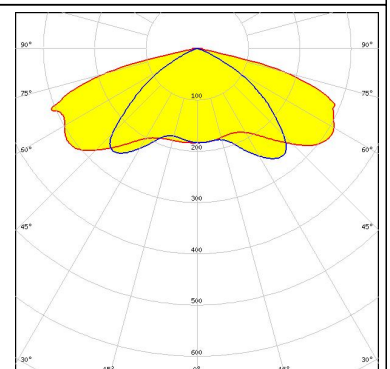
SAMSUNG

LED HiLOM RH16 (LH351C)
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.390 cd/lm
LEDs/each optic 1
Light colour White
Required components:


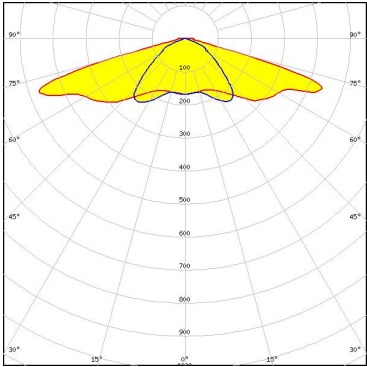

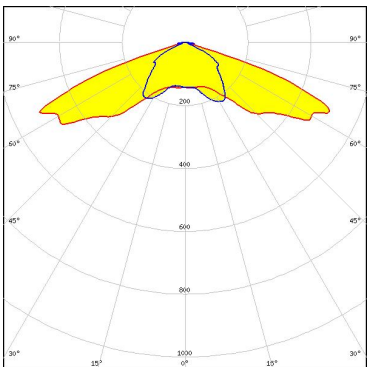


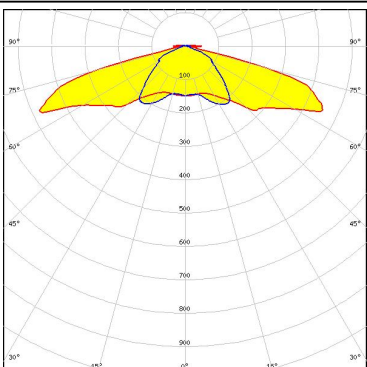


SAMSUNG

LED LH351B
FWHM 154.0 + 119.0°
Efficiency 94 %
Peak intensity 0.320 cd/lm
LEDs/each optic 1
Light colour White
Required components:



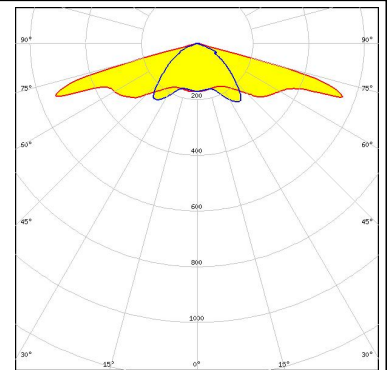
PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M3 FWHM Asymmetric Efficiency 94 % Peak intensity 0.470 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM 143.0 + 128.0° Efficiency 94 % Peak intensity 0.520 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P FWHM 151.0 + 130.0° Efficiency 94 % Peak intensity 0.480 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>TRIDONIC</p> <p>LED RLE 2x4 2000lm HP EXC2 OTD FWHM 151.0 + 119.0° Efficiency 94 % Peak intensity 0.600 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

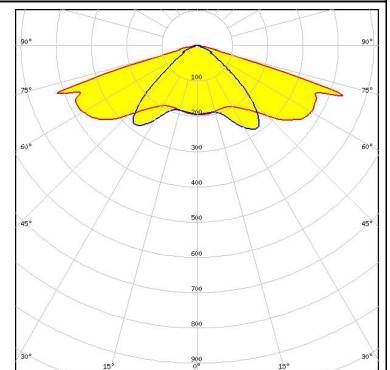
TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD
 FWHM 151.0 + 119.0°
 Efficiency 94 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



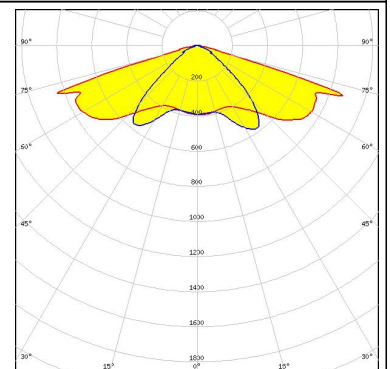
TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD
 FWHM 147.0 + 107.0°
 Efficiency 94 %
 Peak intensity 0.440 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



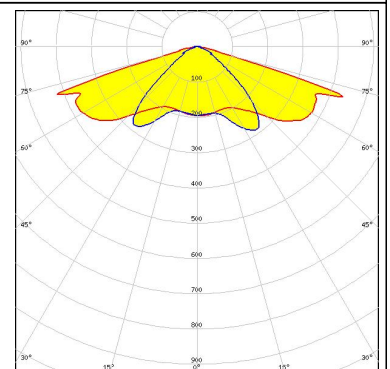
TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD
 FWHM 147.0 + 107.0°
 Efficiency 94 %
 Peak intensity 0.440 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



TRIDONIC

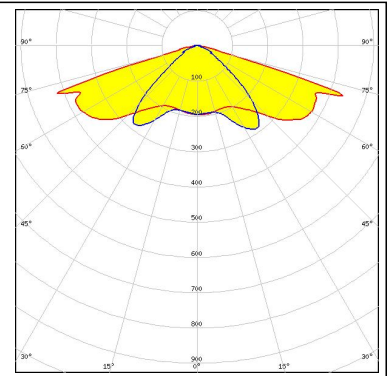
LED RLE G1 49x223mm 4000lm xxx EXC OTD
 FWHM 147.0 + 107.0°
 Efficiency 94 %
 Peak intensity 0.440 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

TRIDONIC

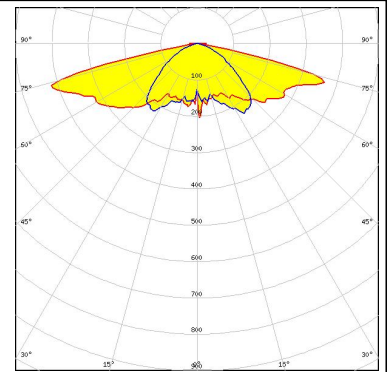
LED RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM 147.0 + 107.0°
Efficiency 94 %
Peak intensity 0.440 cd/lm
LEDs/each optic 1
Light colour White
Required components:



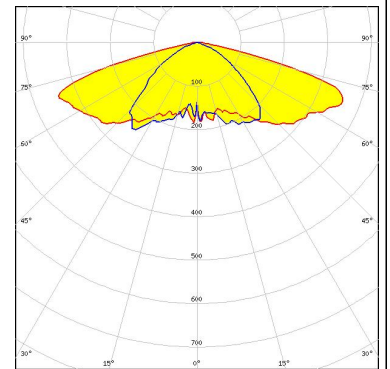
PHOTOMETRIC DATA (SIMULATED):



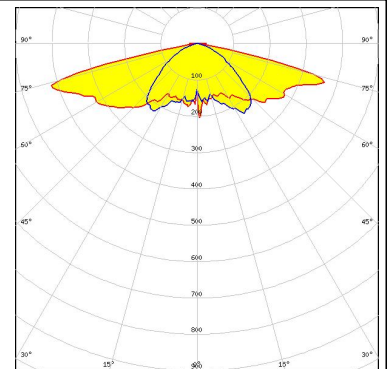
LED XB-D
FWHM 154.0 + 107.0°
Efficiency 91 %
Peak intensity 0.456 cd/lm
LEDs/each optic 1
Light colour White
Required components:



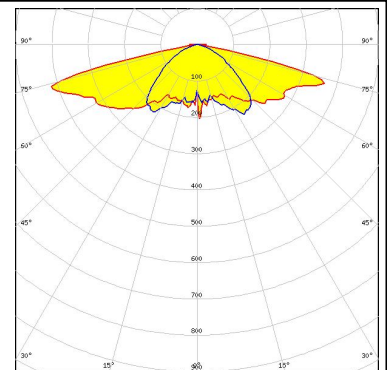
LED XM-L
FWHM 109.0 + 152.0°
Efficiency 93 %
Peak intensity 0.360 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XM-L2
FWHM 153.0 + 112.0°
Efficiency 93 %
Peak intensity 0.423 cd/lm
LEDs/each optic 1
Light colour White
Required components:



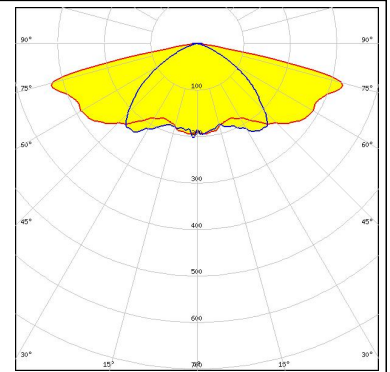
LED XP-G
FWHM 156.0 + 112.0°
Efficiency 92 %
Peak intensity 0.430 cd/lm
LEDs/each optic 1
Light colour White
Required components:



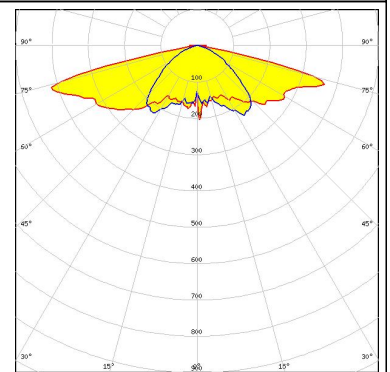
PHOTOMETRIC DATA (SIMULATED):



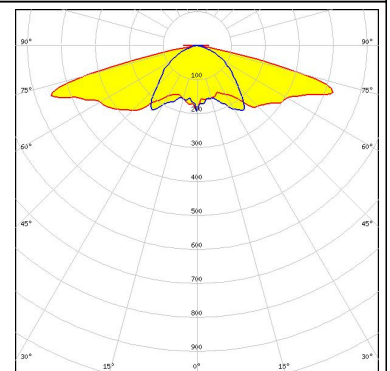
LED XP-G2 HE
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.326 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



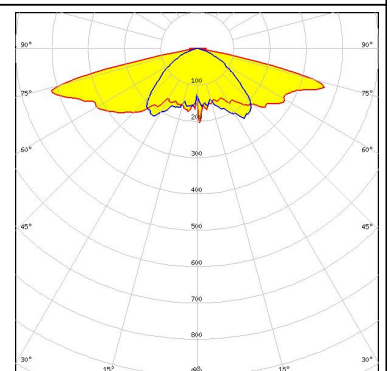
LED XP-L HD
 FWHM 155.0 + 109.0°
 Efficiency 91 %
 Peak intensity 0.321 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XT-E
 FWHM 153.0 + 110.0°
 Efficiency 95 %
 Peak intensity 0.454 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



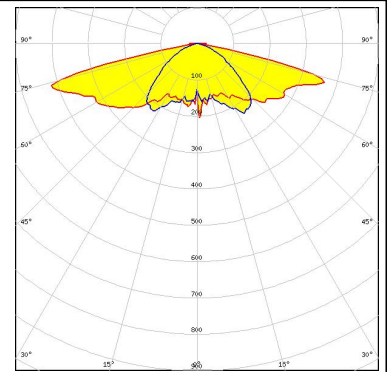
LED XT-E
 FWHM 155.0 + 110.0°
 Efficiency 91 %
 Peak intensity 0.433 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



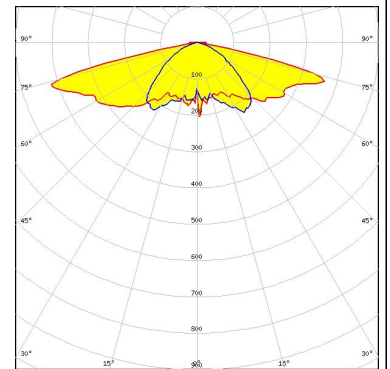
PHOTOMETRIC DATA (SIMULATED):



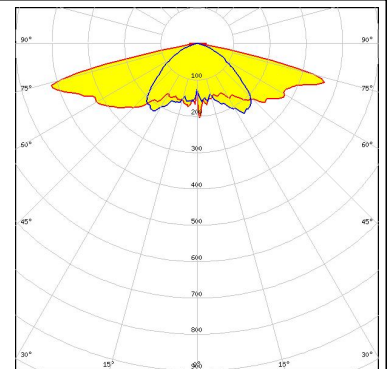
LED XT-E HVW
 FWHM 155.0 + 110.0°
 Efficiency 92 %
 Peak intensity 0.417 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



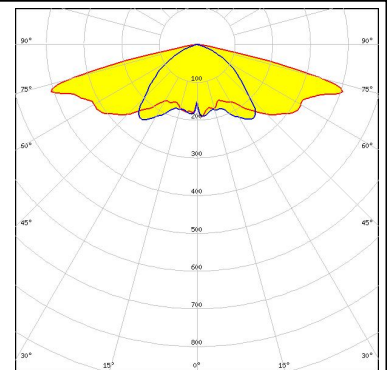
LED LUXEON R
 FWHM 150.0 + 107.0°
 Efficiency 92 %
 Peak intensity 0.421 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



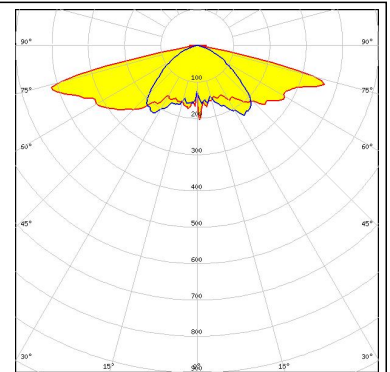
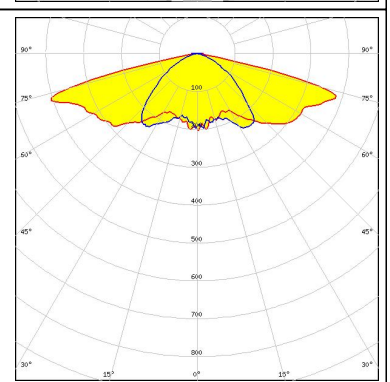
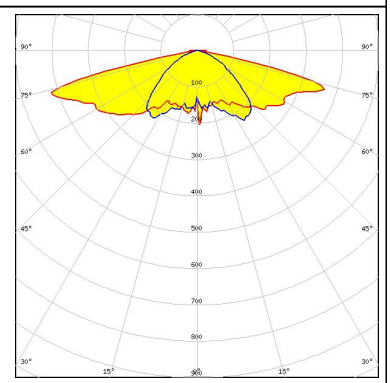
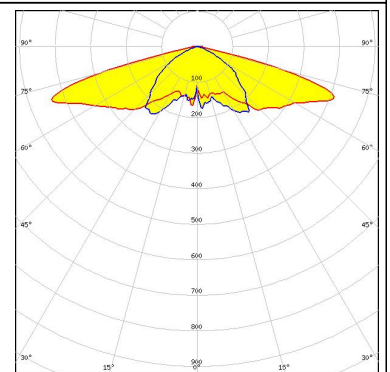
LED LUXEON Rebel ES
 FWHM 151.0 + 106.0°
 Efficiency 92 %
 Peak intensity 0.424 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON T
 FWHM 154.0 + 110.0°
 Efficiency 96 %
 Peak intensity 0.406 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

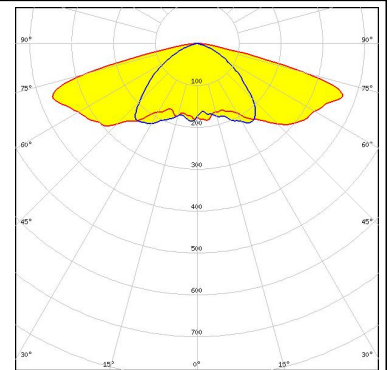
<p>LUMILEDS</p> <p>LED LUXEON TX FWHM 153.0 + 108.0° Efficiency 92 % Peak intensity 0.468 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON V2 FWHM 154.0 + 110.0° Efficiency 94 % Peak intensity 0.400 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NCSxx19B FWHM 152.0 + 111.0° Efficiency 91 % Peak intensity 0.511 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM Asymmetric Efficiency 92 % Peak intensity 0.440 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

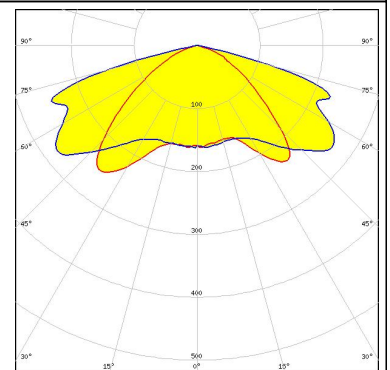
LED OSCONIQ P 3737 (3W version)
 FWHM 153.0 + 92.0°
 Efficiency 94 %
 Peak intensity 0.370 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

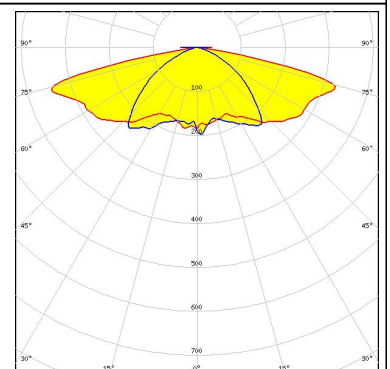
LED OSOLON Square CSSRM2/CSSRM3
 FWHM 148.0 + 116.0°
 Efficiency 82 %
 Peak intensity cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



Transparent protective cover

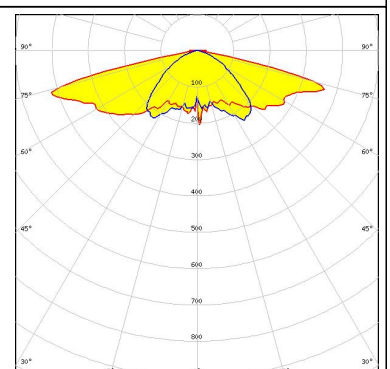
PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4
 FWHM 157.0 + 94.0°
 Efficiency 94 %
 Peak intensity 0.350 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

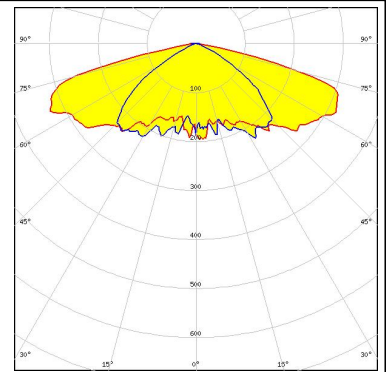
LED LH351A
 FWHM 158.0 + 116.0°
 Efficiency 92 %
 Peak intensity 0.413 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

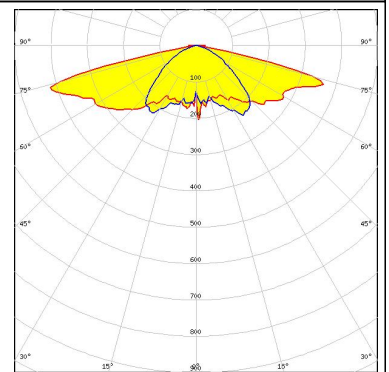
SAMSUNG

LED LH351D
FWHM 153.0 + 113.0°
Efficiency 92 %
Peak intensity 0.331 cd/lm
LEDs/each optic 1
Light colour White
Required components:



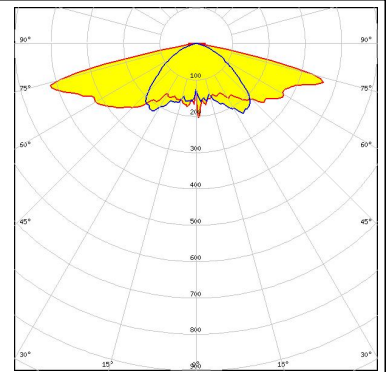
SAMSUNG

LED LH351Z
FWHM 150.0 + 105.0°
Efficiency 93 %
Peak intensity 0.356 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z5M
FWHM 153.0 + 110.0°
Efficiency 92 %
Peak intensity 0.428 cd/lm
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.

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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

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