

STRADA-2X2-CY

Beam for canopy lighting with batwing light distribution. Suitable for symmetrical tunnel lighting.

SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	6 mm
Fastening	screw
ROHS compliant	yes ⓘ





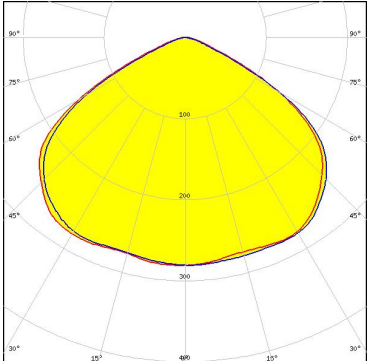


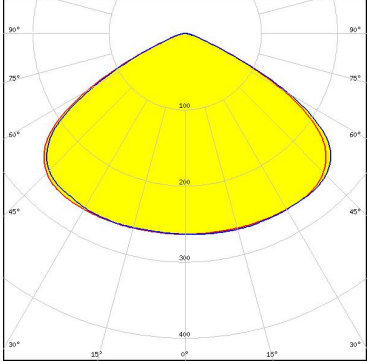


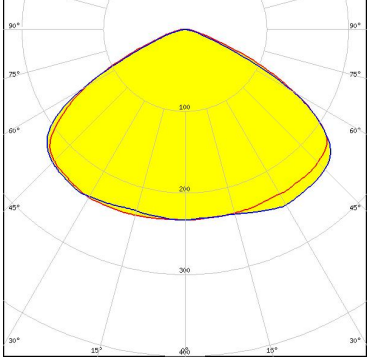


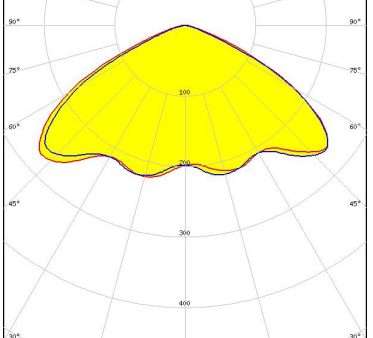
MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13499_STRADA-2X2-CY » Box size: 480 x 280 x 300 mm	800	160	160	6.2

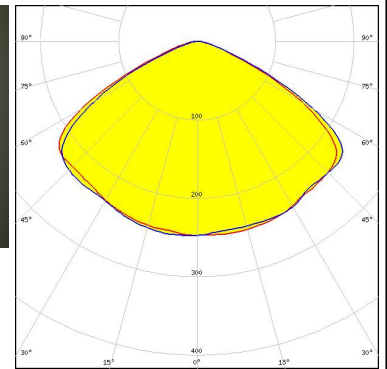
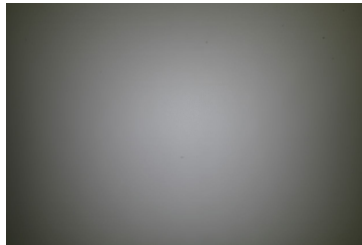
OPTICAL RESULTS (MEASURED):

<p> bridgelux</p> <p>LED Bridgelux SMD 5050</p> <p>FWHM / FWTM 120.0 + 119.0° / 143.0 + 139.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p> CREE LEDs</p> <p>LED J Series 5050C 6V E Class</p> <p>FWHM / FWTM 122.0° / 140.0°</p> <p>Efficiency 98 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p> CREE LEDs</p> <p>LED XD16</p> <p>FWHM / FWTM 125.0 + 124.0° / 149.0 + 145.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 4</p> <p>Light colour White</p> <p>Required components:</p>		
<p> CREE LEDs</p> <p>LED XD16</p> <p>FWHM / FWTM 132.0 + 130.0° / 152.0 + 148.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

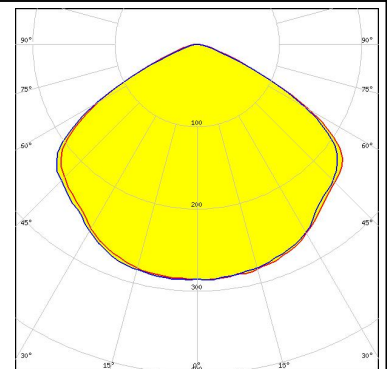
OPTICAL RESULTS (MEASURED):



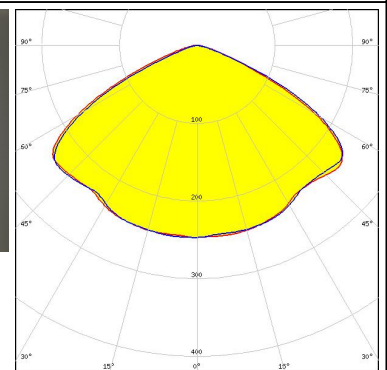
LED XM-L
 FWHM / FWTM 126.0° / 149.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



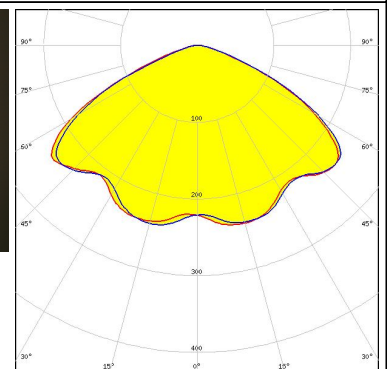
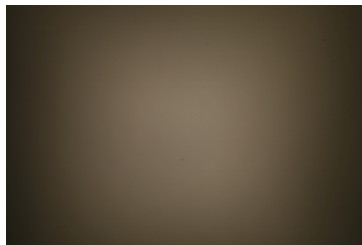
LED XM-L2
 FWHM / FWTM 121.0° / 145.0 + 143.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XM-L3
 FWHM / FWTM Asymmetric
 Efficiency 98 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



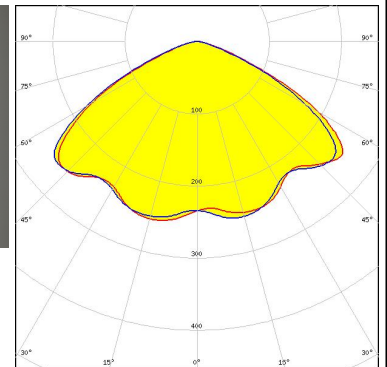
LED XP-G
 FWHM / FWTM 131.0° / 152.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



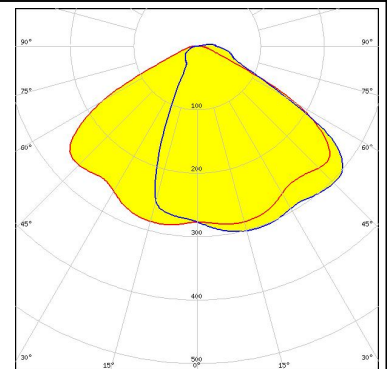
OPTICAL RESULTS (MEASURED):



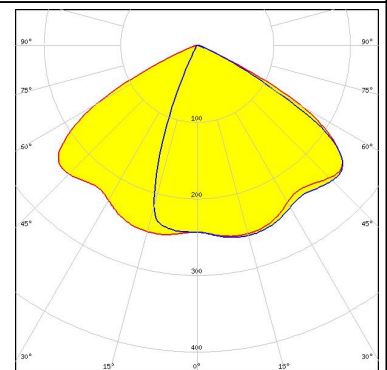
LED XP-G2
 FWHM / FWTM 129.0° / 151.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



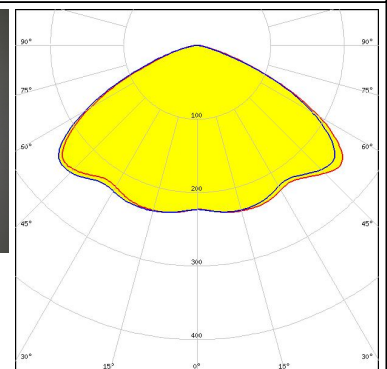
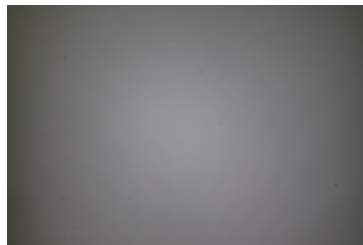
LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17580_STRADA-2X2-SHD-WHT



LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 62 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17677_STRADA-2X2-SHD-BLK



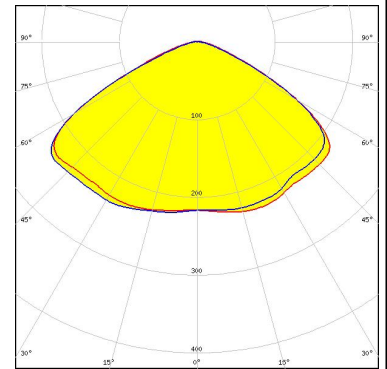
LED XP-G3
 FWHM / FWTM 131.0 + 132.0° / 154.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



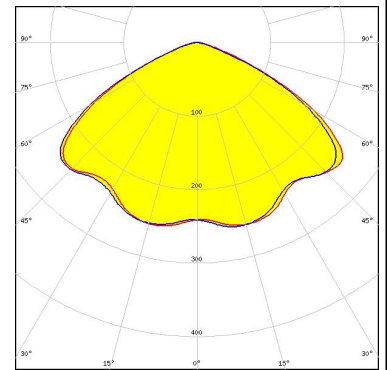
OPTICAL RESULTS (MEASURED):



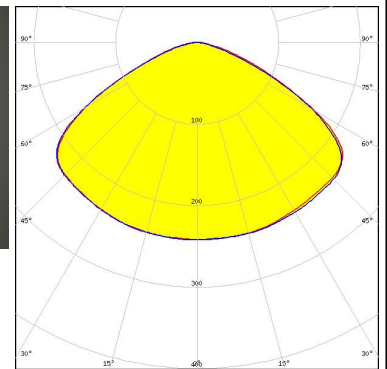
LED XP-L HD
 FWHM / FWTM 131.0° / 157.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



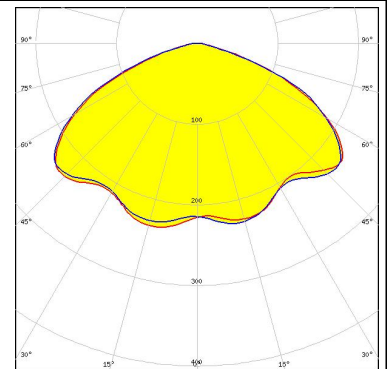
LED XP-L HI
 FWHM / FWTM 127.0° / 150.0 + 147.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:




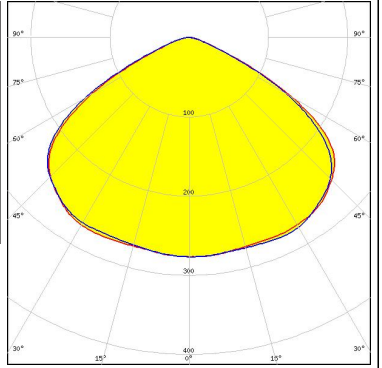

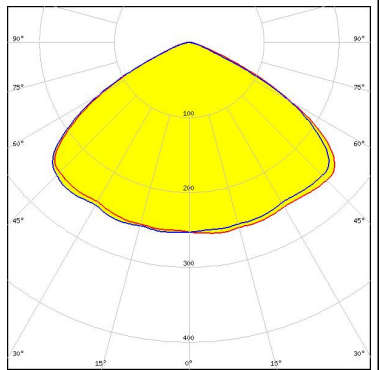
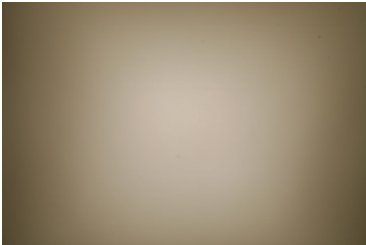
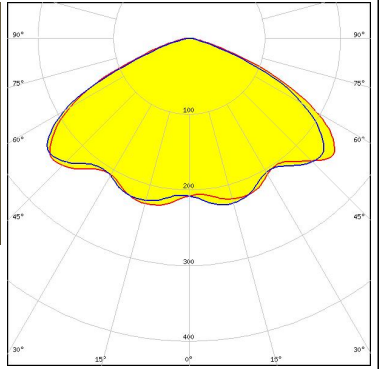

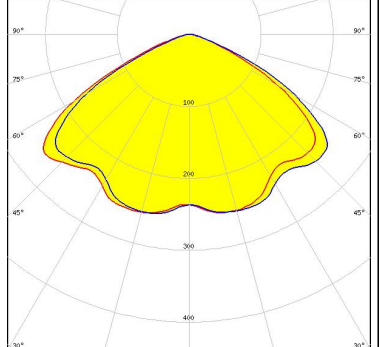
LED XP-L2
 FWHM / FWTM 127.0° / 156.0 + 153.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



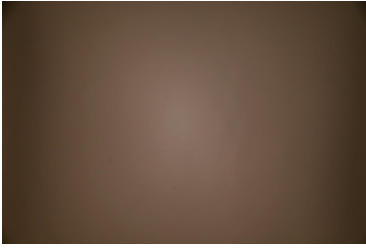
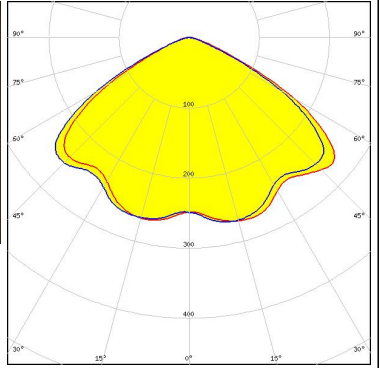

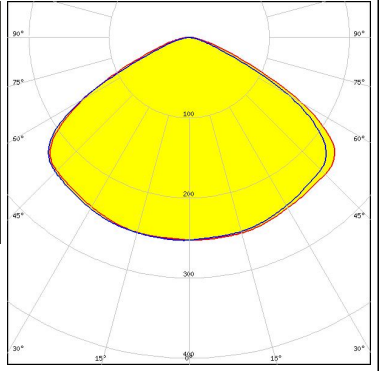

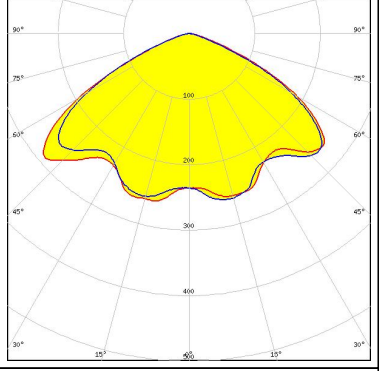

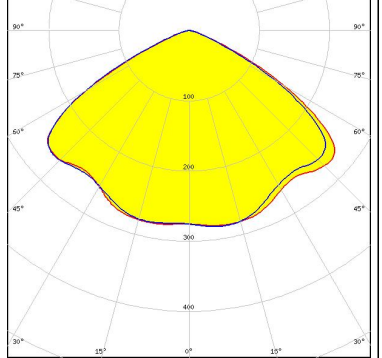
LED XT-E
 FWHM / FWTM 136.0° / 156.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



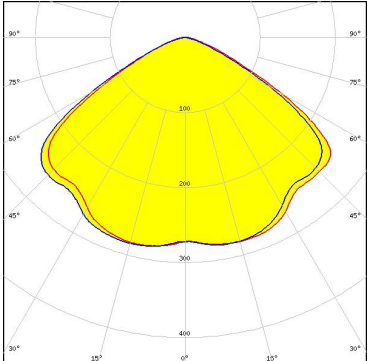
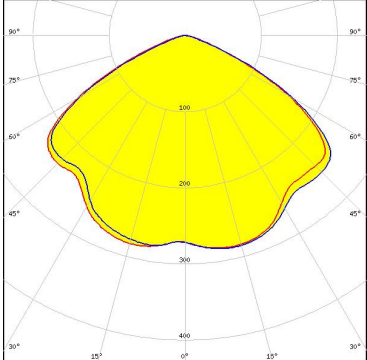
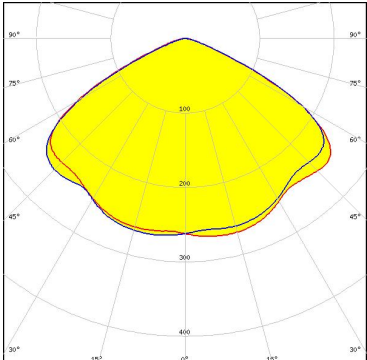
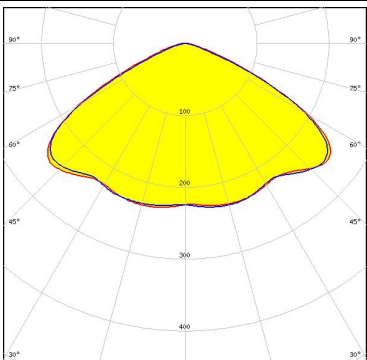
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM 121.0° / 143.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON MZ</p> <p>FWHM / FWTM 123.0° / 144.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON Q</p> <p>FWHM / FWTM 134.0° / 157.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON T</p> <p>FWHM / FWTM 127.0° / 147.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (MEASURED):

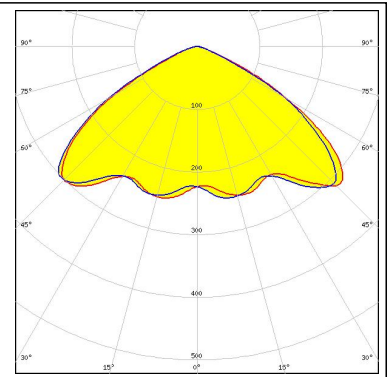
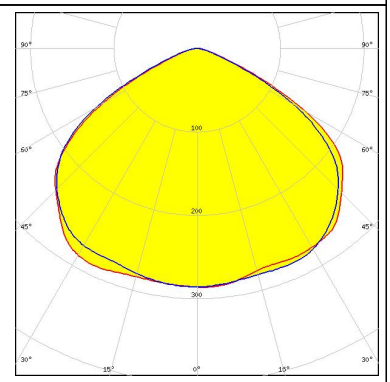
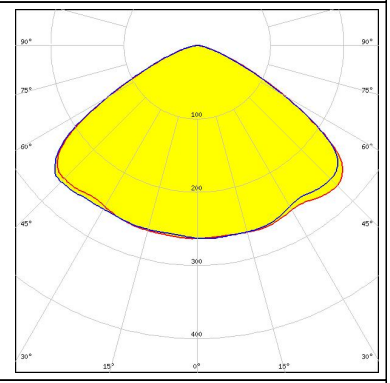
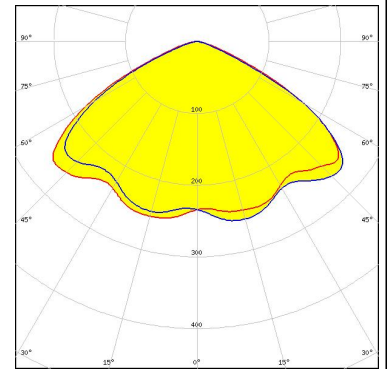
<p>LUMILEDS</p> <p>LED LUXEON TX</p> <p>FWHM / FWTM 123.0° / 146.0 + 143.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON V</p> <p>FWHM / FWTM 125.0 + 123.0° / 151.0 + 145.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMINUS</p> <p>LED SST-10-B130</p> <p>FWHM / FWTM 126.0° / 147.0°</p> <p>Efficiency 97 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Deep Red</p> <p>Required components:</p>		
<p>MST <i>Your solutions</i></p> <p>LED RecLED 122x50mm 1900lm 730 2x4 Opt G1</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 98 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSW219D FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.3 cd/m LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NVSW219F FWHM / FWTM 123.0° / 143.0° Efficiency 97 % Peak intensity 0.3 cd/m LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM 125.0° / 144.0° Efficiency 98 % Peak intensity 0.3 cd/m LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NVSW3x9A FWHM / FWTM 129.0 + 128.0° / 151.0 + 148.0° Efficiency 94 % Peak intensity 0.3 cd/m LEDs/each optic 1 Light colour White Required components:</p>	



OPTICAL RESULTS (MEASURED):

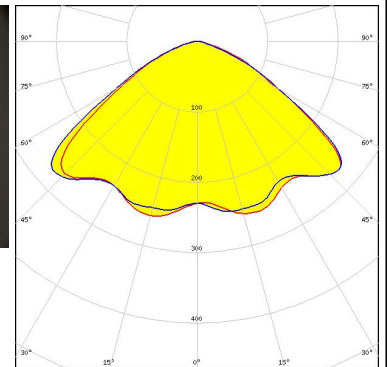
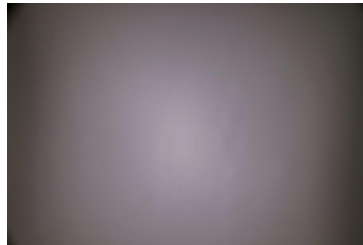
<p>NICHIA</p> <p>LED NVSxE21A FWHM / FWTM 125.0° / 144.0° Efficiency 94 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S8 FWHM / FWTM 119.0° / 143.0° Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3737 (3W version) FWHM / FWTM Asymmetric Efficiency 98 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square CSSRM2/CSSRM3 FWHM / FWTM 128.0 + 127.0° / 149.0 + 145.0° Efficiency 94 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (MEASURED):

OSRAM

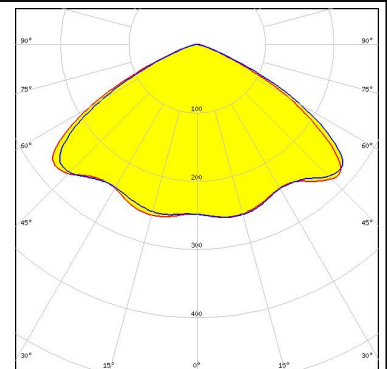
Opto Semiconductors

LED OSLON Square PC
 FWHM / FWTM 122.0° / 154.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



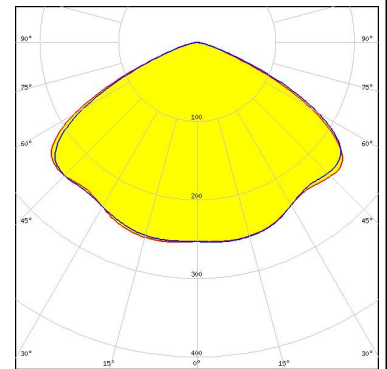
PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4
 FWHM / FWTM 125.0° / 145.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



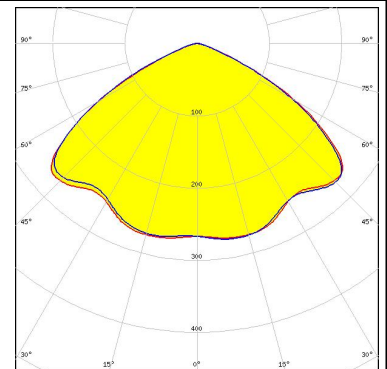
PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+
 FWHM / FWTM 127.0° / 148.0°
 Efficiency 98 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHILIPS

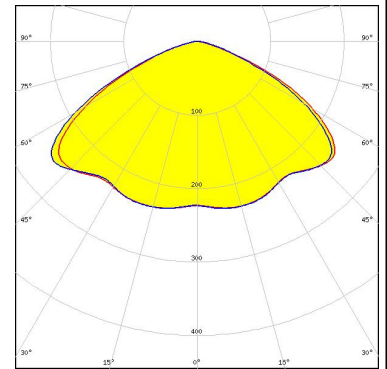
LED Fortimo FastFlex LED 2x8 DA G5
 FWHM / FWTM 122.0° / 142.0°
 Efficiency 98 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

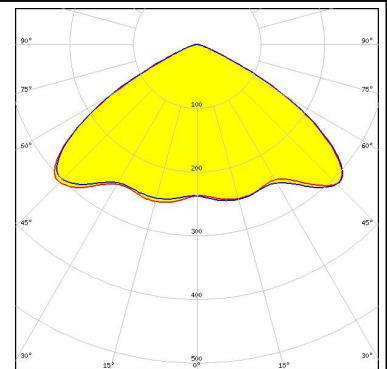
PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4
 FWHM / FWTM 131.0° / 154.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



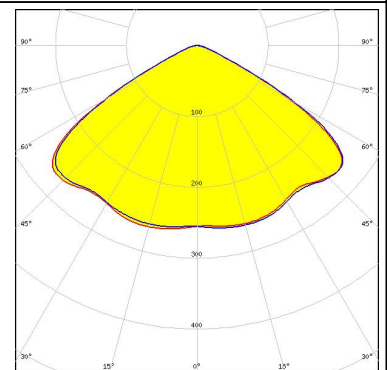
SAMSUNG

LED HiLOM RC12 Z (LH181B)
 FWHM / FWTM 120.0° / 138.0°
 Efficiency 99 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



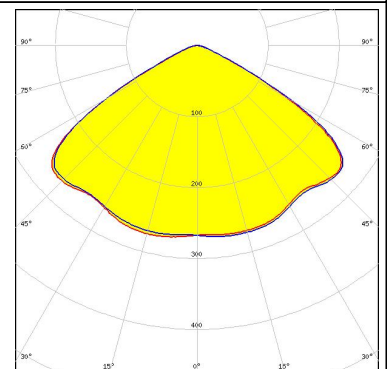
SAMSUNG

LED HiLOM RH12 Z (LH351C)
 FWHM / FWTM 121.0° / 139.0°
 Efficiency 97 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

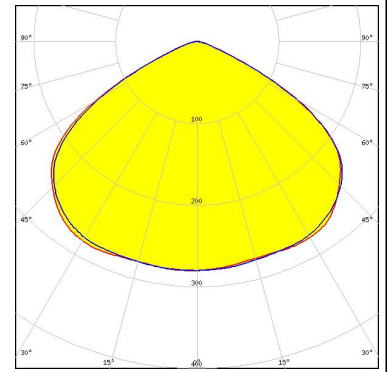
LED HiLOM RH16 (LH351C)
 FWHM / FWTM 121.0° / 139.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

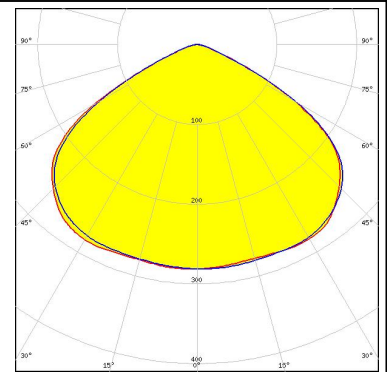
SAMSUNG

LED HiLOM RM12 Z (LH502C)
 FWHM / FWTM 120.0° / 141.0°
 Efficiency 98 %
 Peak intensity 0.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



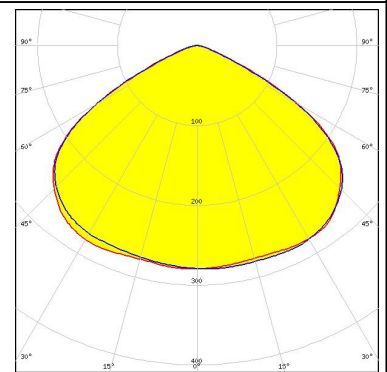
SAMSUNG

LED HiLOM RM16 Z (LH502C)
 FWHM / FWTM 120.0° / 141.0°
 Efficiency 99 %
 Peak intensity 0.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



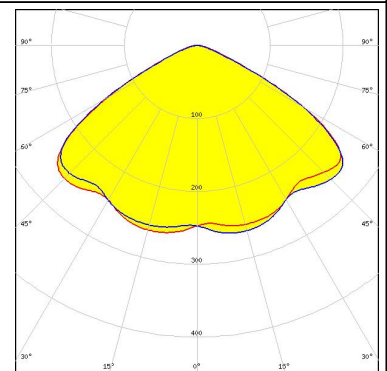
SAMSUNG

LED HiLOM RM8 Z (LH502C)
 FWHM / FWTM Asymmetric
 Efficiency 99 %
 Peak intensity 0.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

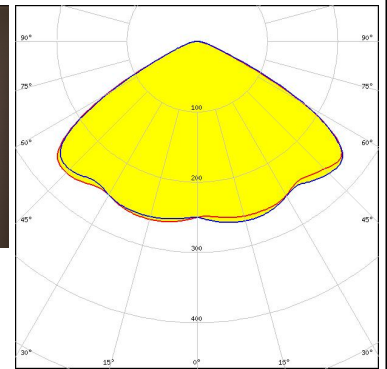
LED LH351B
 FWHM / FWTM 126.0° / 149.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

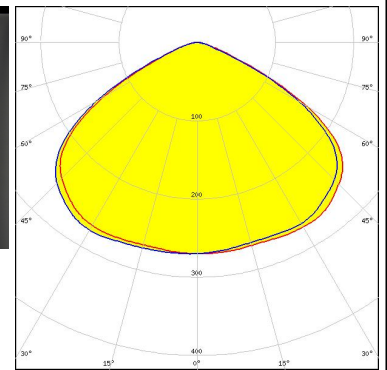
SAMSUNG

LED LH351C
 FWHM / FWTM 123.0° / 144.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

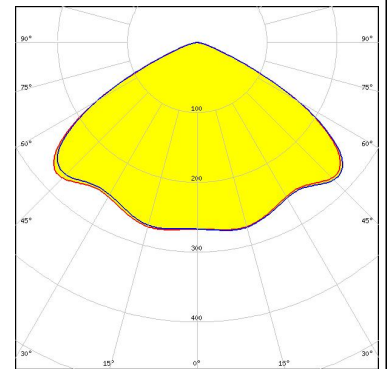


SAMSUNG

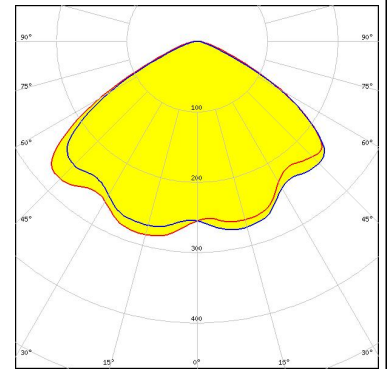
LED LH508A
 FWHM / FWTM 122.0° / 144.0 + 143.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



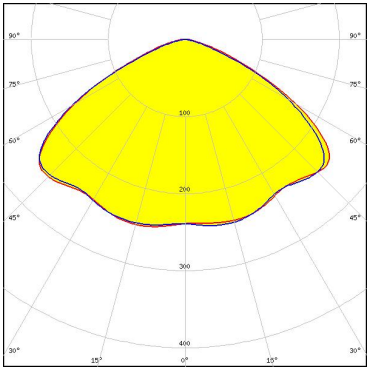
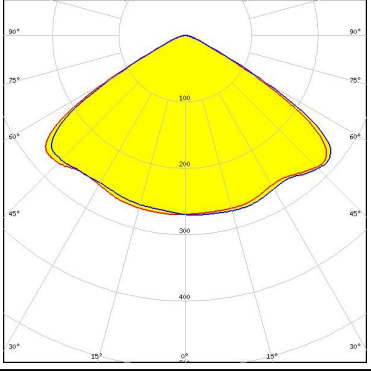
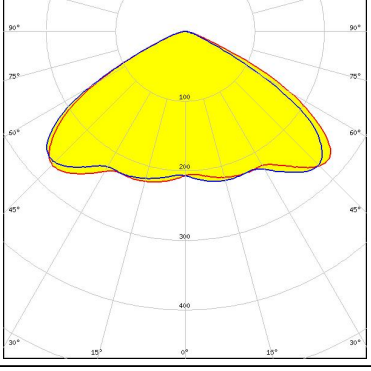
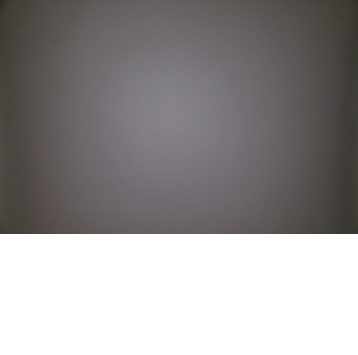
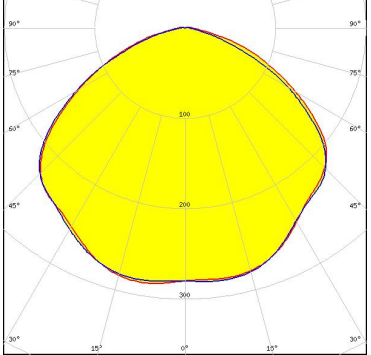
LED LED-Pa-L15c2W11c2-xxx-C050-01
 FWHM / FWTM 123.0° / 142.0°
 Efficiency 98 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Z5M1/Z5M2
 FWHM / FWTM 122.0° / 149.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

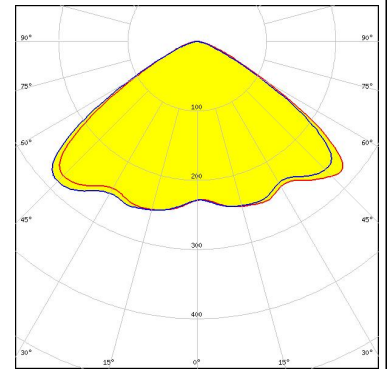
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M4</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 97 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22</p> <p>FWHM / FWTM 127.0 + 124.0° / 146.0 + 144.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>TOSHIBA Leading Innovation >>></p> <p>LED TL1L3</p> <p>FWHM / FWTM 118.0° / 154.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (MEASURED):

TOSHIBA

Leading Innovation >>

LED TL1L4
 FWHM / FWTM 119.0° / 146.0°
 Efficiency 91 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

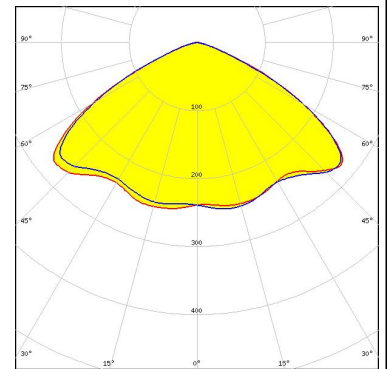


TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD
 FWHM / FWTM 128.0° / 147.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

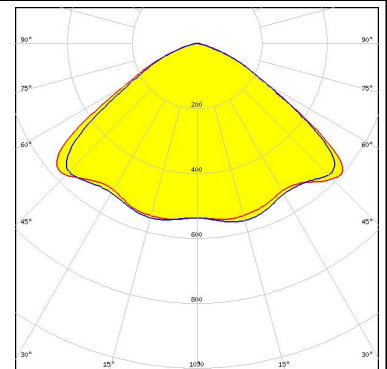
TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD
 FWHM / FWTM 128.0° / 147.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



TRIDONIC

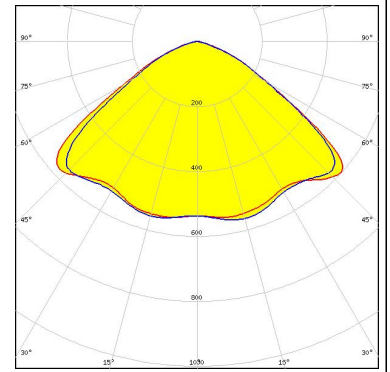
LED RLE G1 49x121mm 2000lm xxx EXC OTD
 FWHM / FWTM 119.0 + 117.0° / 147.0 + 146.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

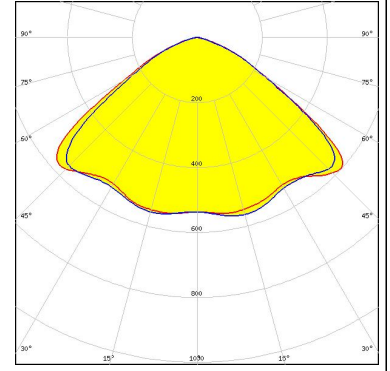
TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM / FWTM 119.0 + 117.0° / 147.0 + 146.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



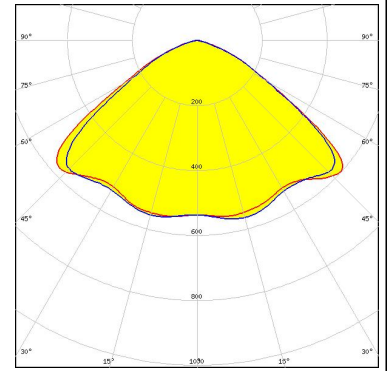
TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM / FWTM 119.0 + 117.0° / 147.0 + 146.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

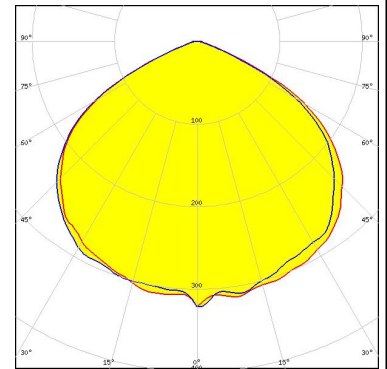
LED RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM / FWTM 119.0 + 117.0° / 147.0 + 146.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



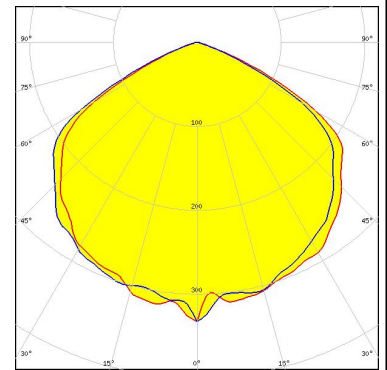
OPTICAL RESULTS (SIMULATED):



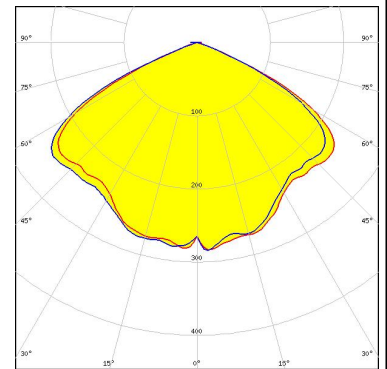
LED MHB-A/B
 FWHM / FWTM 117.0 + 116.0° / 140.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XHP35 HD
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

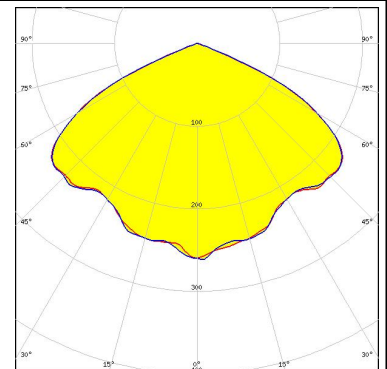


LED XP-G2 HE
 FWHM / FWTM 126.0° / 138.0°
 Efficiency 95 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G3
 FWHM / FWTM 126.0° / 138.0°
 Efficiency 86 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

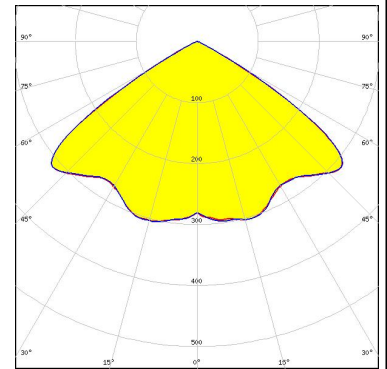
Protective plate, glass



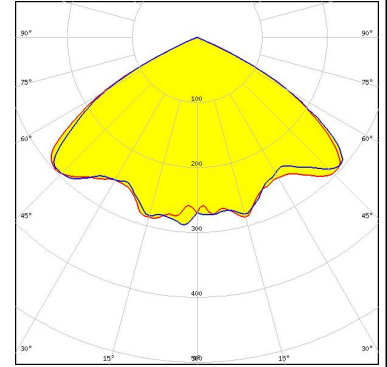
OPTICAL RESULTS (SIMULATED):



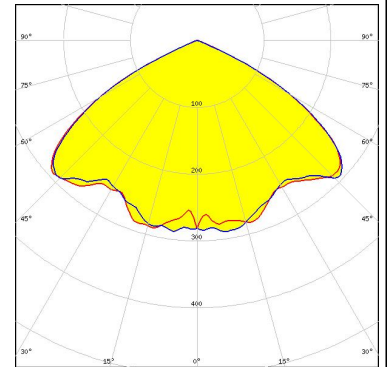
LED XP-G4
FWHM / FWTM 116.0° / 126.0°
Efficiency 96 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 3030 2D (Round LES)
FWHM / FWTM 118.0° / 131.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

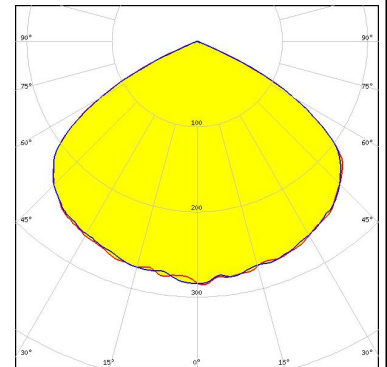


LED LUXEON 3030 2D (Square LES)
FWHM / FWTM 119.0° / 133.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 5050 HE
FWHM / FWTM 118.0° / 134.0°
Efficiency 89 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

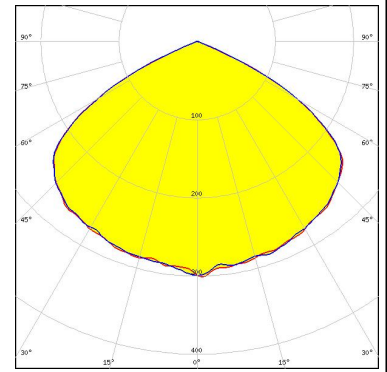
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

LUMILEDS

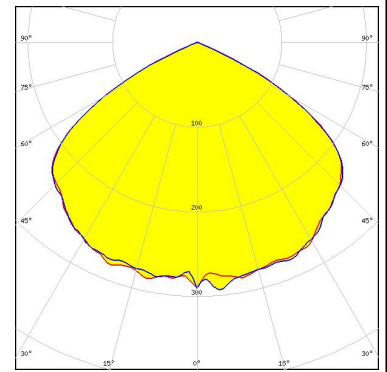
LED LUXEON 5050 HE
 FWHM / FWTM 120.0° / 134.0°
 Efficiency 96 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

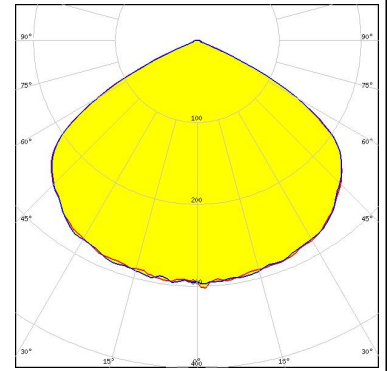
LED LUXEON 5050 Round LES
 FWHM / FWTM 117.0° / 132.0°
 Efficiency 89 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



LUMILEDS

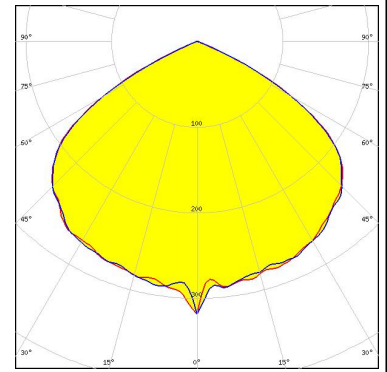
LED LUXEON 5050 Square LES
 FWHM / FWTM 118.0° / 134.0°
 Efficiency 96 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



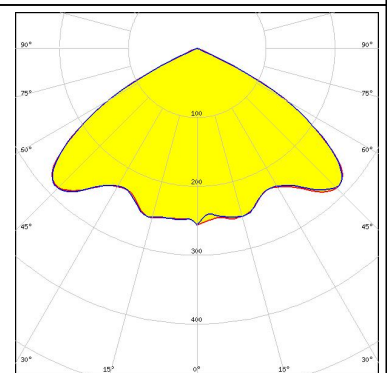
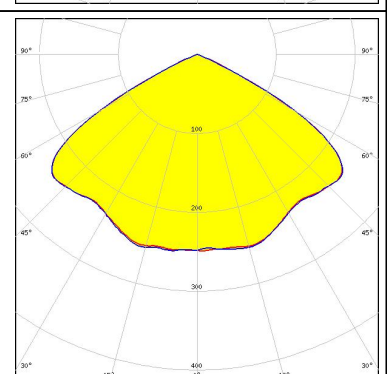
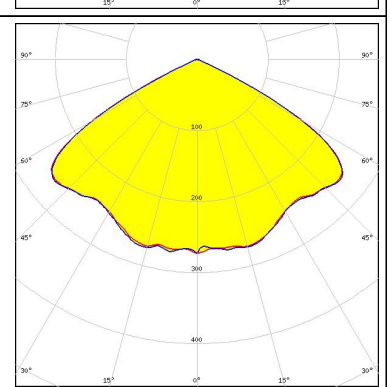
LUMILEDS

LED LUXEON 5050 Square LES
 FWHM / FWTM 114.0° / 132.0°
 Efficiency 89 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



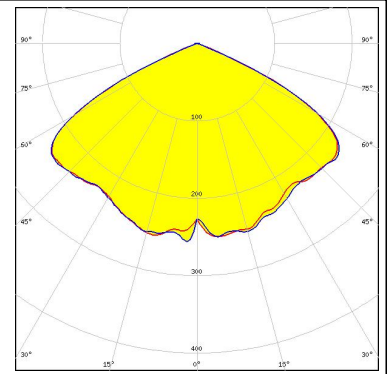
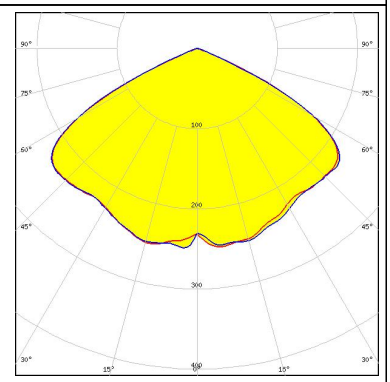
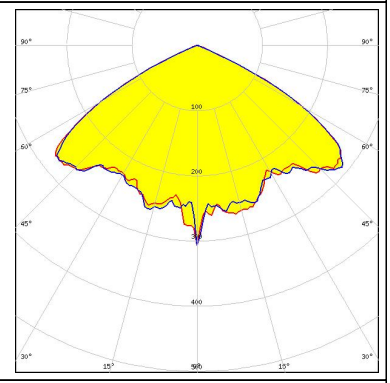
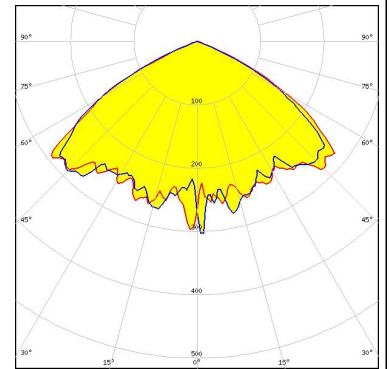
OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON HL2Z FWHM / FWTM: 122.0° / 132.0° Efficiency: 96 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON HL2Z FWHM / FWTM: 120.0° / 132.0° Efficiency: 89 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p>Protective plate, glass</p>	
<p>LUMILEDS</p> <p>LED: LUXEON XR-HL2X (L2H2-xxxxxxxMLU010) FWHM / FWTM: 122.0° / 132.0° Efficiency: 86 % Peak intensity: 0.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p>Protective plate, glass</p>	
<p>LUMILEDS</p> <p>LED: LUXEON XR-HL2X (L2H2-xxxxxxxMLU010) FWHM / FWTM: 122.0° / 132.0° Efficiency: 96 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

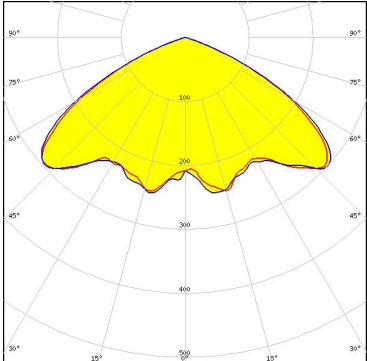
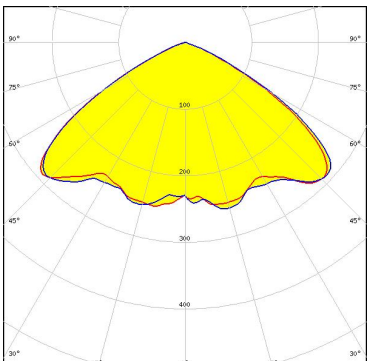
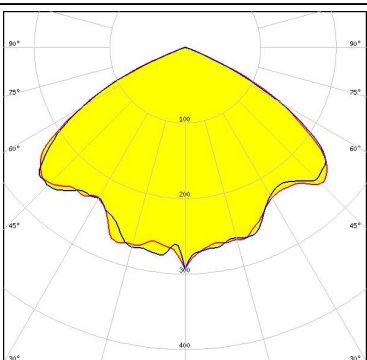
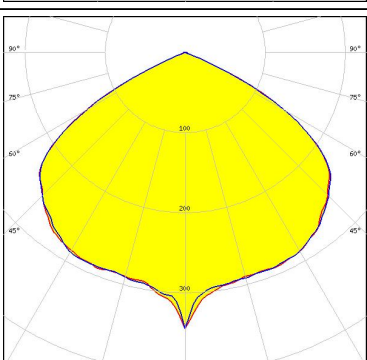
OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED: NF2x757G FWHM / FWTM: 120.0° / 134.0° Efficiency: 89 % Peak intensity: 0.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p>Protective plate, glass</p>	
<p>NICHIA</p> <p>LED: NFMW48xA FWHM / FWTM: 120.0° / 134.0° Efficiency: 96 % Peak intensity: 0.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NV4WB35AM FWHM / FWTM: 120.0° / 136.0° Efficiency: 96 % Peak intensity: 0.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSW319B FWHM / FWTM: 126.0° / 134.0° Efficiency: 88 % Peak intensity: 0.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p>Protective plate, glass</p>	

OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED NVSW519A FWHM / FWTM 126.0° / 136.0° Efficiency 93 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NVSW519A FWHM / FWTM 125.0° / 136.0° Efficiency 89 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 122.0° / 132.0° Efficiency 94 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM</p> <p>LED PrevaLED Brick HP 2x8 FWHM / FWTM 122.0° / 136.0° Efficiency 92 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

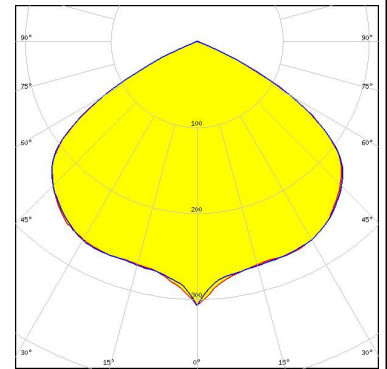
<p>OSRAM Opto Semiconductors</p> <p>LED: OSCONIQ P 3030</p> <p>FWHM / FWTM: 125.0° / 141.0°</p> <p>Efficiency: 96 %</p> <p>Peak intensity: 0.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSCONIQ P 3737 (2W version)</p> <p>FWHM / FWTM: 114.0° / 134.0°</p> <p>Efficiency: 93 %</p> <p>Peak intensity: 0.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM: 122.0° / 134.0°</p> <p>Efficiency: 89 %</p> <p>Peak intensity: 0.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> <p style="background-color: #ADD8E6; padding: 2px;">Protective plate, glass</p>	
<p>PHILIPS</p> <p>LED: Fortimo FastFlex LED 2x8 DA HE</p> <p>FWHM / FWTM: 116.0° / 132.0°</p> <p>Efficiency: 96 %</p> <p>Peak intensity: 0.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

PHILIPS

LED Fortimo FastFlex LED 2x8 DA HE
 FWHM / FWTM 116.0° / 132.0°
 Efficiency 87 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

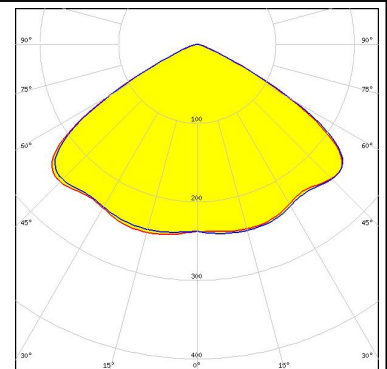
Protective plate, glass



SAMSUNG

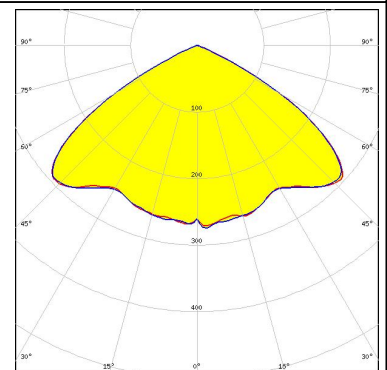
LED HiLOM RH12 Z (LH351C)
 FWHM / FWTM 121.0° / 138.0°
 Efficiency 87 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



SAMSUNG

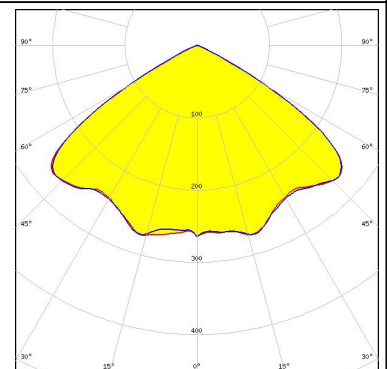
LED LH231B
 FWHM / FWTM 120.0° / 132.0°
 Efficiency 95 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

LED LH351B
 FWHM / FWTM 118.0° / 130.0°
 Efficiency 89 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

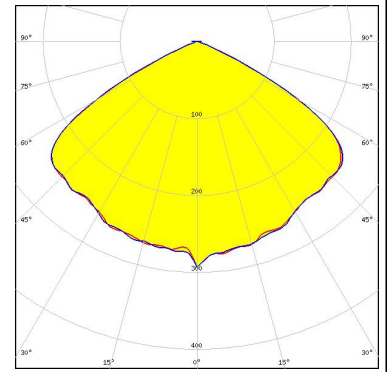
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

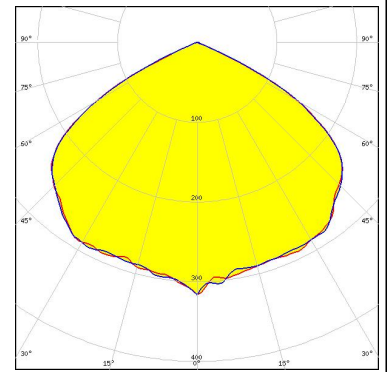
SAMSUNG

LED LH351D
FWHM / FWTM 120.0° / 134.0°
Efficiency 95 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED MJT 5050
FWHM / FWTM 118.0° / 132.0°
Efficiency 96 %
Peak intensity 0.3 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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