

## STRADA-2X2-VSM

IESNA Type V (square) beam for wide areas  
lighting such as car parks

## TECHNICAL SPECIFICATIONS:

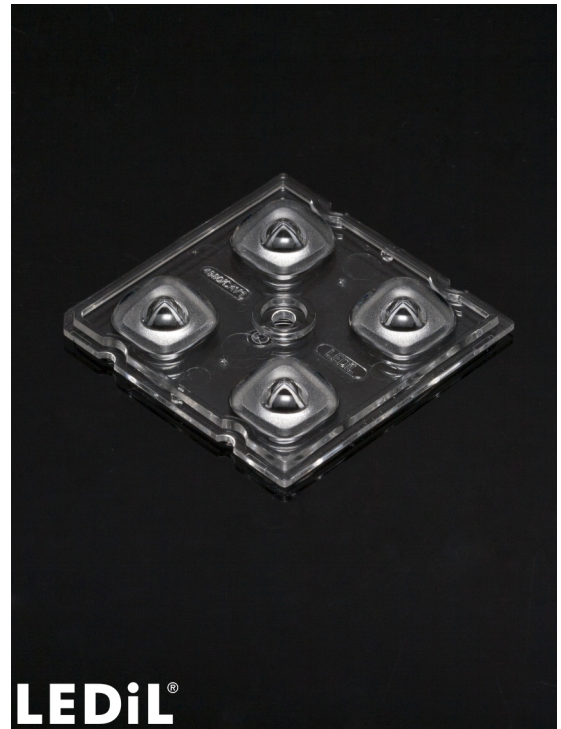
Dimensions	50.0 x 50.0 mm
Height	6.1 mm
Fastening	glue, pin, screw
ROHS compliant	yes ⓘ

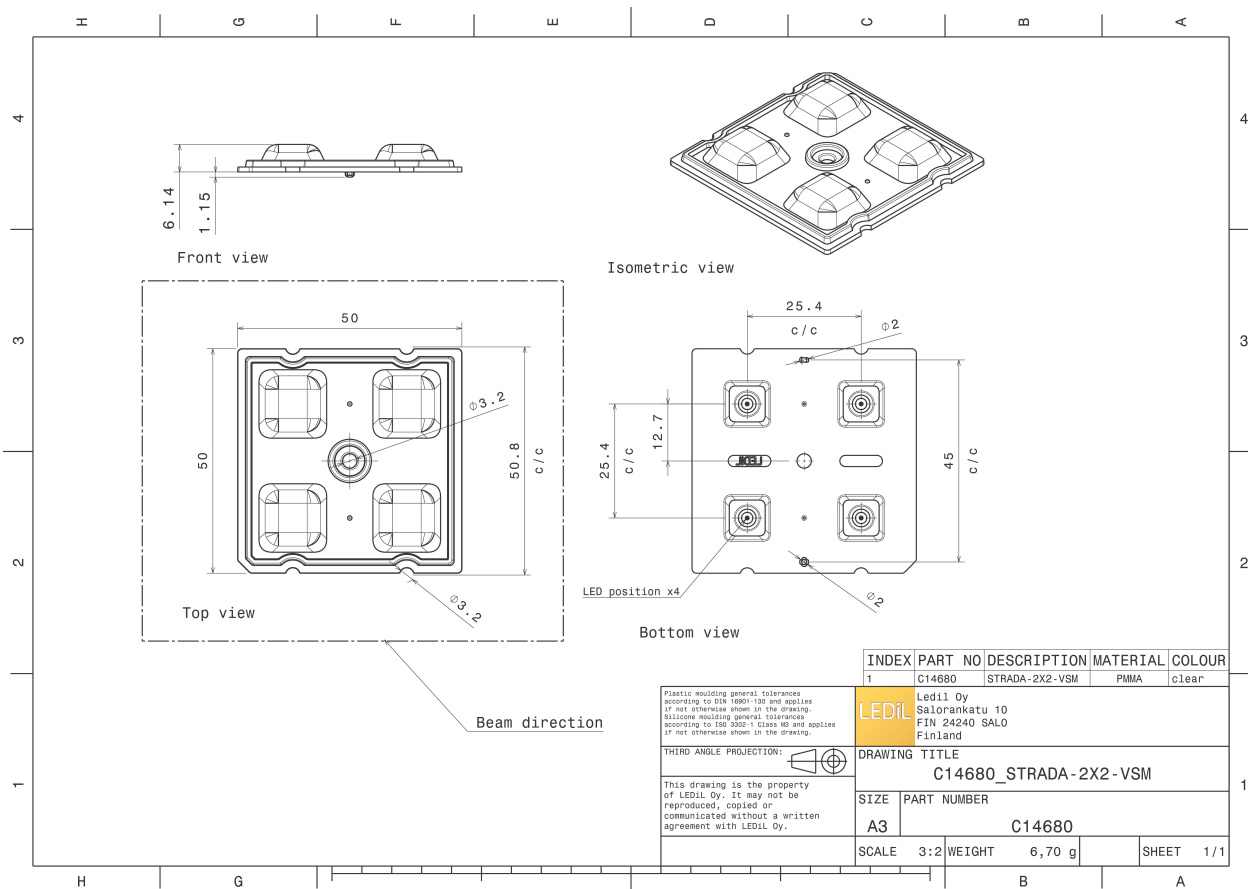
## MATERIAL SPECIFICATIONS:

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

## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14680_STRADA-2X2-VSM » Box size: 480 x 280 x 300 mm	800	160	160	6.2



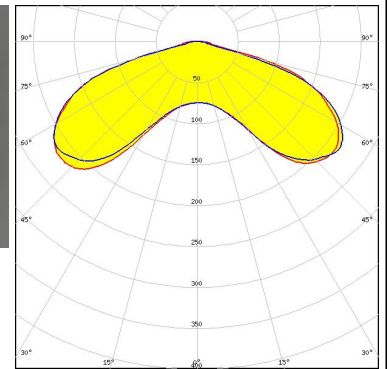


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

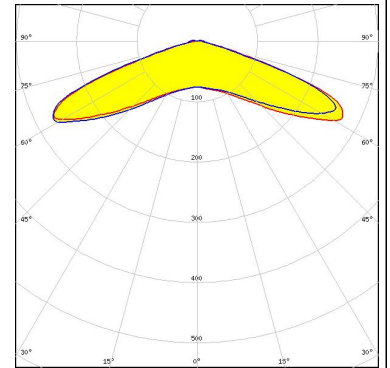
#### PHOTOMETRIC DATA (MEASURED):



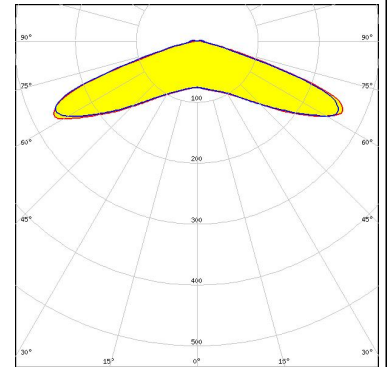
LED Bridgelux SMD 5050  
 FWHM / FWTM 149.0° / 158.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



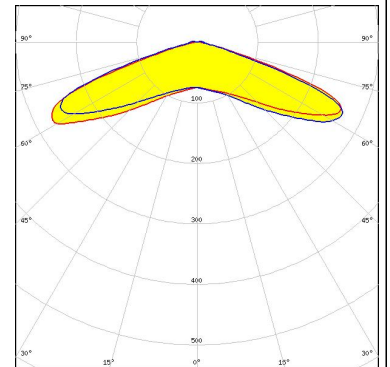
LED QUICK FLUX XTP 2x4 xxx LS G5  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED QUICK FLUX XTP 2x6 xxx LS G5  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



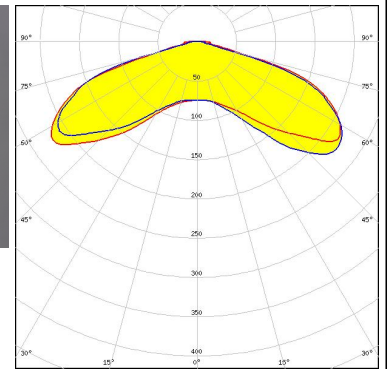
LED QUICK FLUX XTP 2x8 xxx LS G5  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

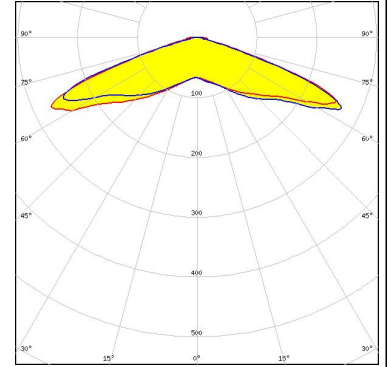
##### CREE LED

LED XD16  
FWHM / FWTM 149.0° / 159.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 4  
Light colour White  
Required components:



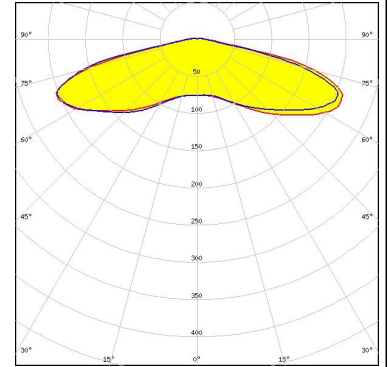
##### CREE LED

LED XD16  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



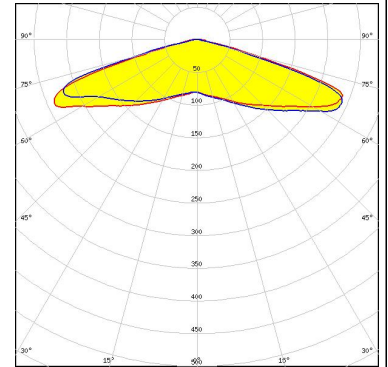
##### CREE LED

LED XHP35 HD  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### CREE LED

LED XP-G2  
FWHM / FWTM 151.0° / 161.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:





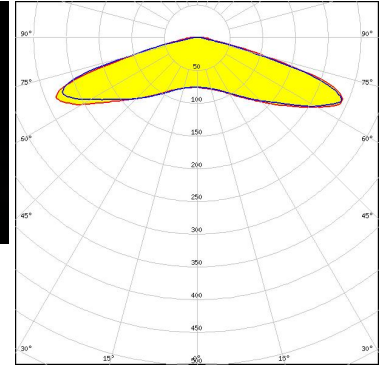
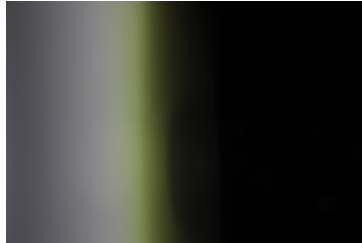
#### PHOTOMETRIC DATA (MEASURED):

##### CREE LED

LED XP-G2 HE  
FWHM / FWTM 152.0° / 160.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

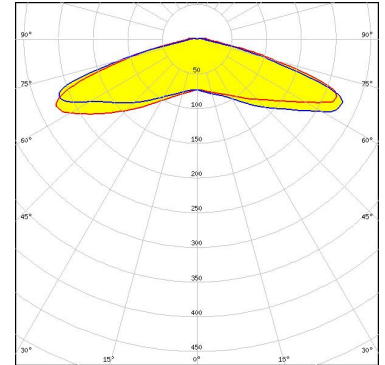
##### CREE LED

LED XP-G3  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



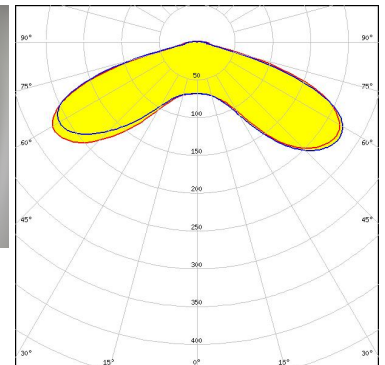
##### CREE LED

LED XT-E  
FWHM / FWTM 152.0° / 170.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### LUMILEDS

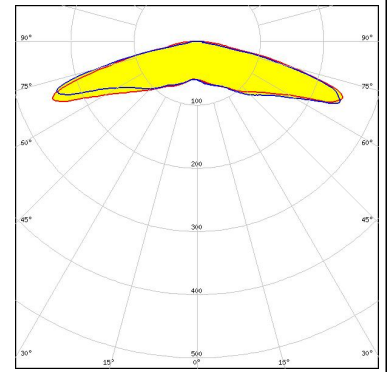
LED LUXEON 5050 Round LES  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

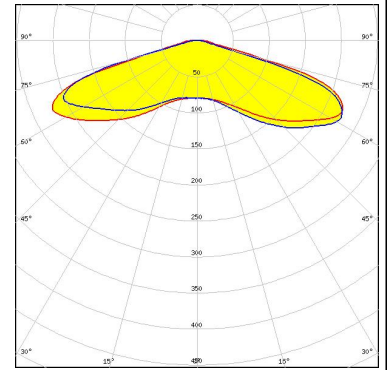
##### LUMILEDS

LED LUXEON C  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour PC Amber  
Required components:



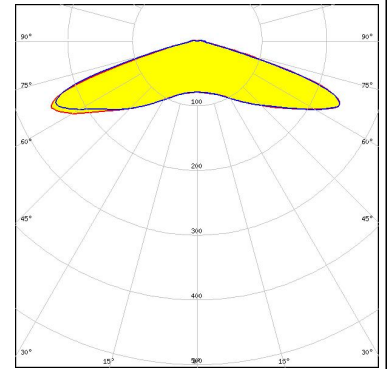
##### LUMILEDS

LED LUXEON V  
FWHM / FWTM 151.0° / 167.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



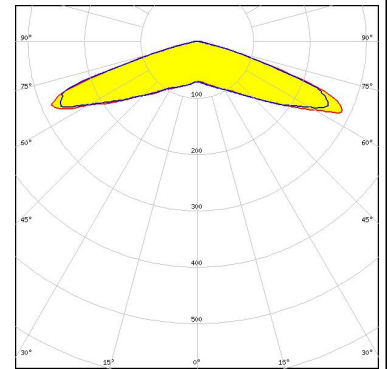
##### LUMILEDS

LED LUXEON V2  
FWHM / FWTM 147.0° / 158.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### LUMINUS

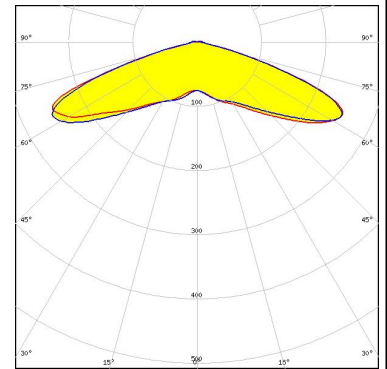
LED SST-10-B130  
FWHM / FWTM 144.0° / 157.0°  
Efficiency 97 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour Deep Red  
Required components:



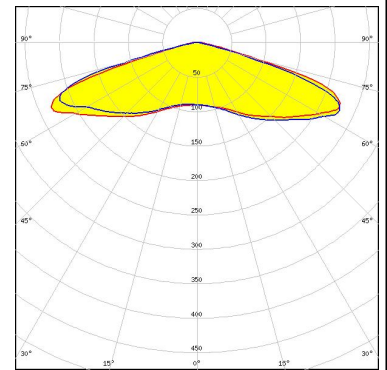
#### PHOTOMETRIC DATA (MEASURED):



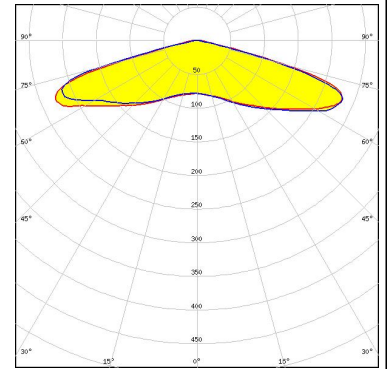
LED RecLED 122x50mm 1900lm 730 2x4 Opt G1  
 FWHM / FWTM Asymmetric  
 Efficiency 98 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



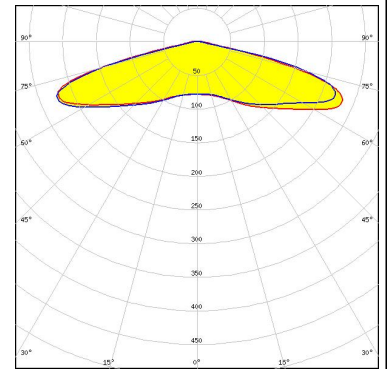
LED NVSW219D  
 FWHM / FWTM 152.0° / 163.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSW219F  
 FWHM / FWTM 151.0° / 160.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



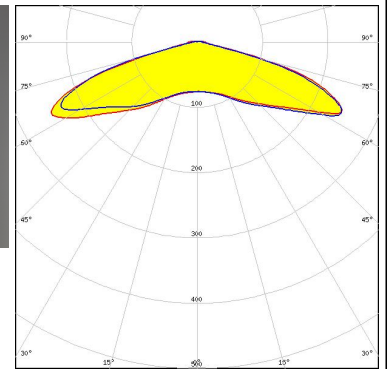
LED NVSW319B  
 FWHM / FWTM 156.0° / 164.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



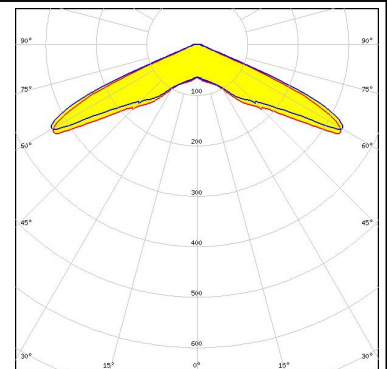
#### PHOTOMETRIC DATA (MEASURED):



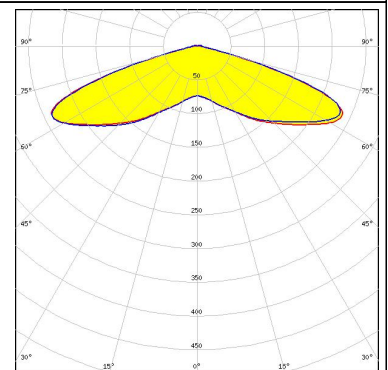
LED NVSW3x9A  
 FWHM / FWTM 152.0° / 161.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxE21A  
 FWHM / FWTM 134.0° / 144.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

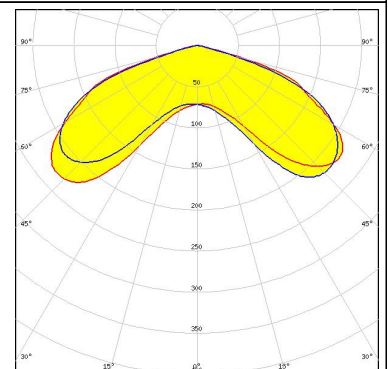


LED PL-BRICK HP 3800 2x8 SSG  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Duris S8  
 FWHM / FWTM 141.0° / 153.0°  
 Efficiency 88 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass

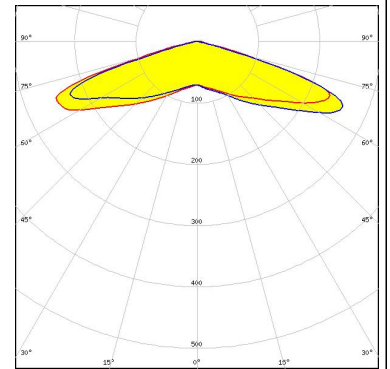


#### PHOTOMETRIC DATA (MEASURED):

##### OSRAM

Opto Semiconductors

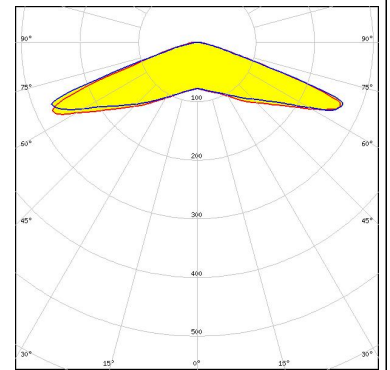
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 148.0° / 159.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

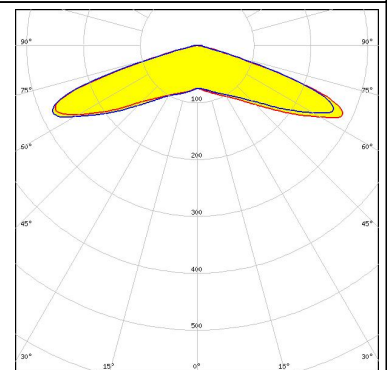
Opto Semiconductors

LED OSLON Square PC  
FWHM / FWTM 143.0° / 160.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



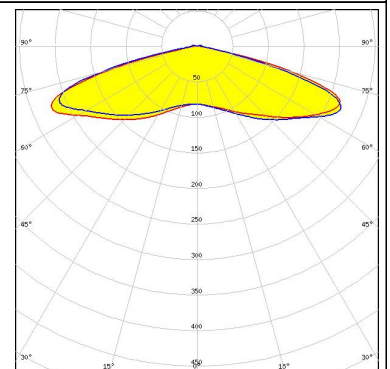
##### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4  
FWHM / FWTM 146.0° / 156.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### PHILIPS

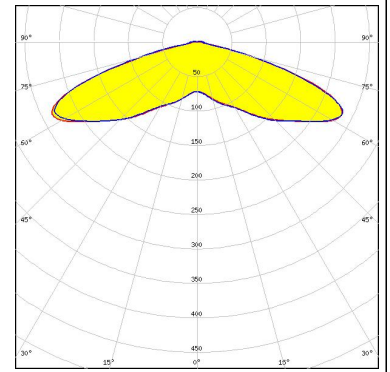
LED Fortimo FastFlex LED 2x8 DA G4+  
FWHM / FWTM 152.0° / 160.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

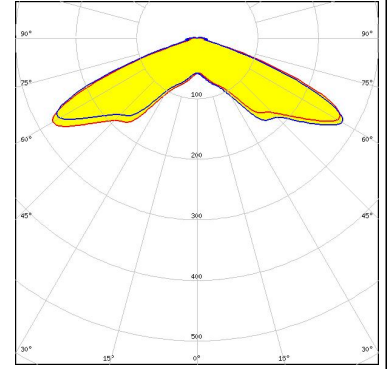
#### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G5  
 FWHM / FWTM 146.0° / 156.0°  
 Efficiency 97 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



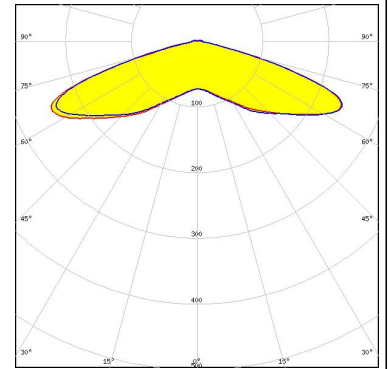
#### SAMSUNG

LED HiLOM RC12 Z (LH181B)  
 FWHM / FWTM 138.0° / 148.0°  
 Efficiency 99 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



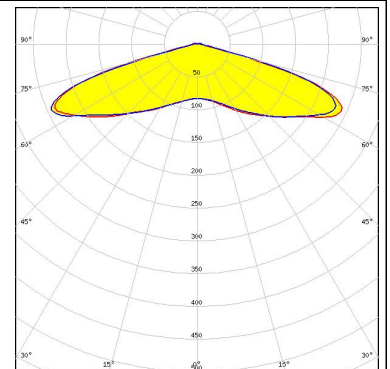
#### SAMSUNG

LED HiLOM RH12 Z (LH351C)  
 FWHM / FWTM 147.0° / 156.0°  
 Efficiency 97 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

LED HiLOM RH16 (LH351C)  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

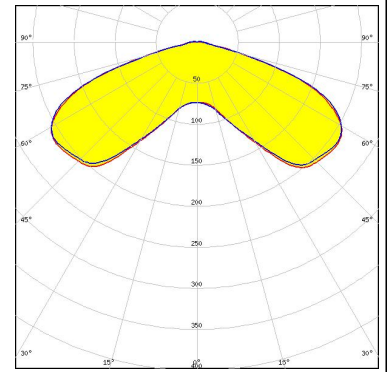




### PHOTOMETRIC DATA (MEASURED):

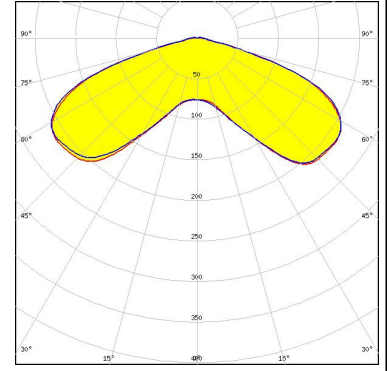
#### SAMSUNG

LED HiLOM RM12 Z (LH502C)  
FWHM / FWTM 144.0° / 157.0°  
Efficiency 97 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



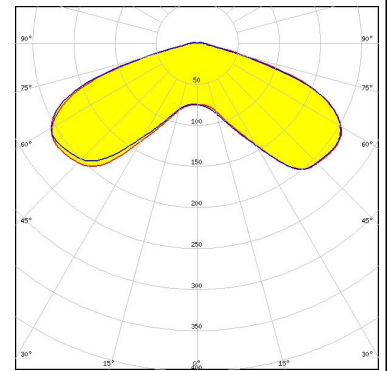
#### SAMSUNG

LED HiLOM RM16 Z (LH502C)  
FWHM / FWTM 144.0° / 156.0°  
Efficiency 98 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



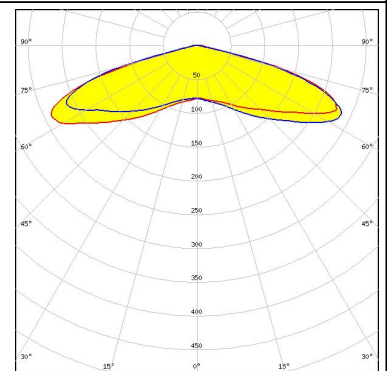
#### SAMSUNG

LED HiLOM RM8 Z (LH502C)  
FWHM / FWTM 144.0° / 157.0°  
Efficiency 97 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

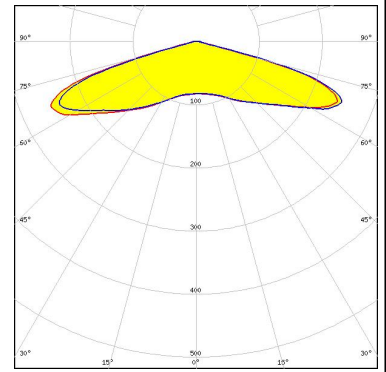
LED LH351B  
FWHM / FWTM 153.0° / 161.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

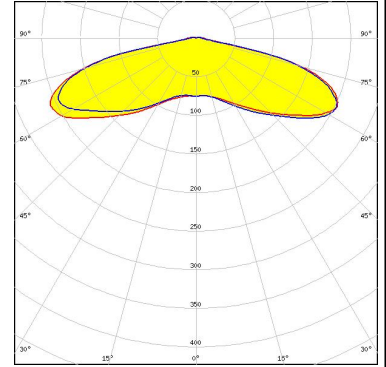
#### SAMSUNG

LED LH351C  
FWHM / FWTM 149.0° / 157.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



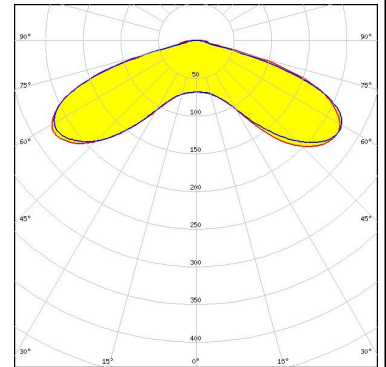
#### SAMSUNG

LED LH351D  
FWHM / FWTM 156.0° / 162.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

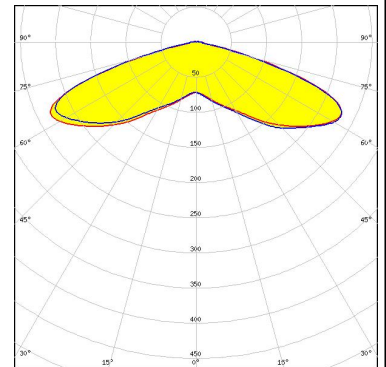


#### SAMSUNG

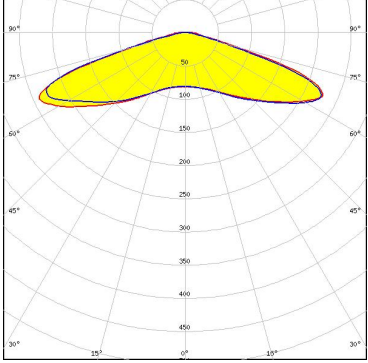
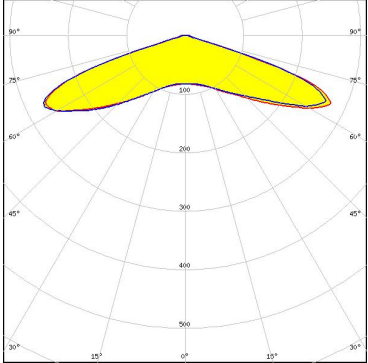

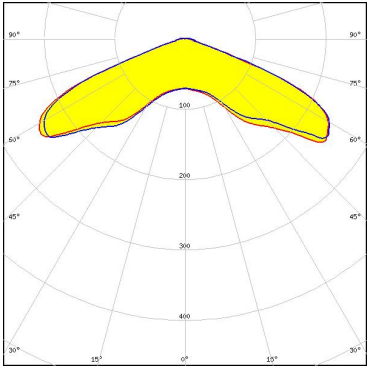
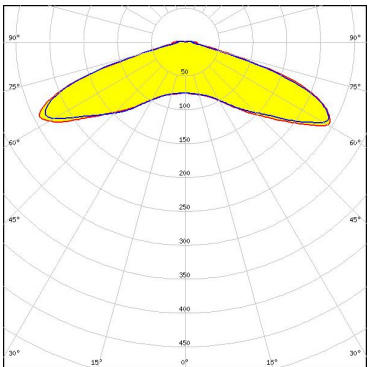
LED LH508A  
FWHM / FWTM 146.0° / 157.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LED-Pa-L15c2W11c2-xxx-C050-01  
FWHM / FWTM 146.0° / 156.0°  
Efficiency 98 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z5M3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z5M4</p> <p>FWHM / FWTM 144.0° / 149.0°</p> <p>Efficiency 98 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z8Y22</p> <p>FWHM / FWTM 141.0° / 151.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 146.0° / 161.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

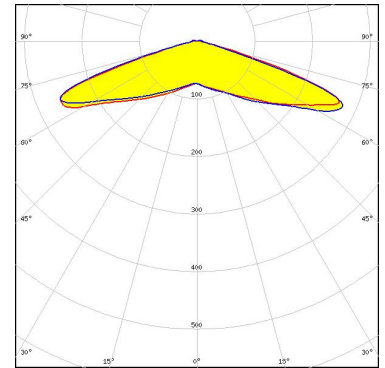
#### PHOTOMETRIC DATA (MEASURED):

#### TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

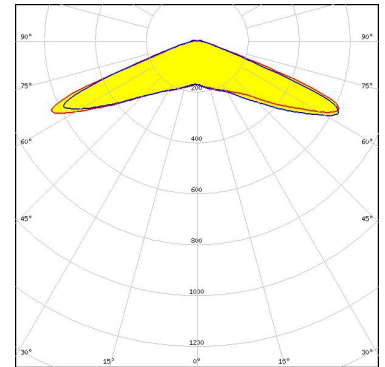
#### TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



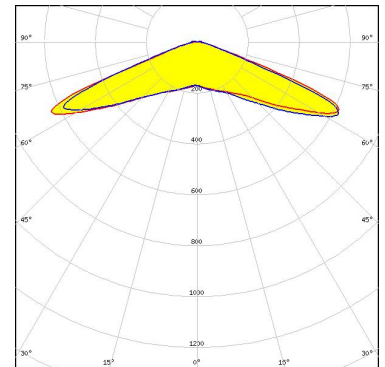
#### TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD  
 FWHM / FWTM 139.0° / 155.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### TRIDONIC

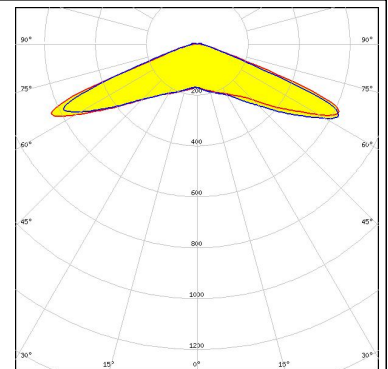
LED RLE G1 49x133mm 2000lm xxx EXC OTD  
 FWHM / FWTM 139.0° / 155.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

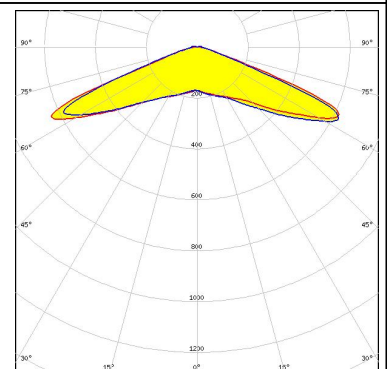
#### TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD  
 FWHM / FWTM 139.0° / 155.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD  
 FWHM / FWTM 139.0° / 155.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

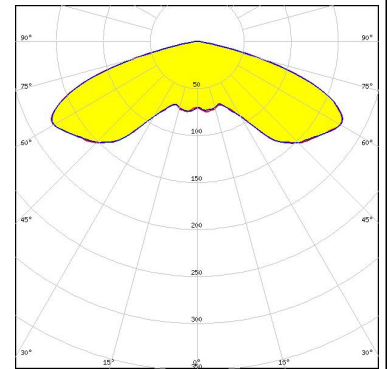


#### PHOTOMETRIC DATA (SIMULATED):

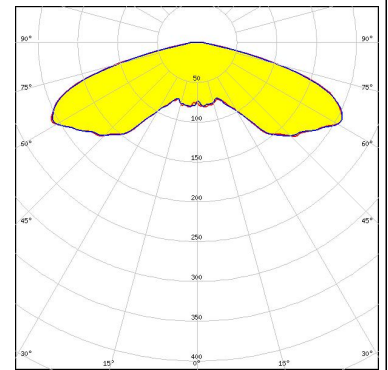


LED J Series 5050 Square LES 30V  
 FWHM / FWTM 146.0° / 160.0°  
 Efficiency 74 %  
 Peak intensity 0.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass

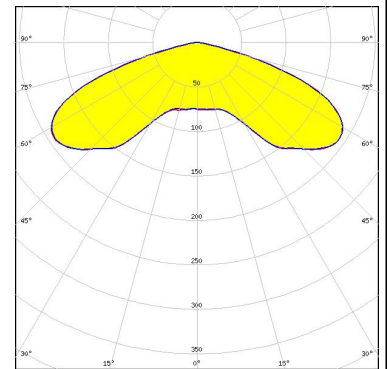


LED J Series 5050 Square LES 30V  
 FWHM / FWTM 150.0° / 162.0°  
 Efficiency 91 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

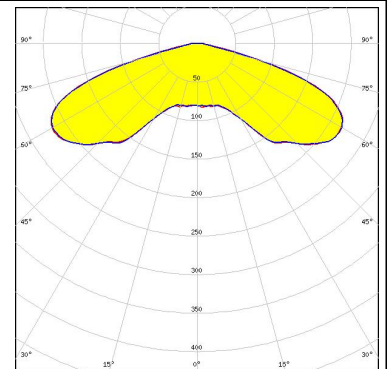


LED J Series 5050 Square LES 6V  
 FWHM / FWTM 144.0° / 158.0°  
 Efficiency 80 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



LED J Series 5050 Square LES 6V  
 FWHM / FWTM 148.0° / 160.0°  
 Efficiency 97 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

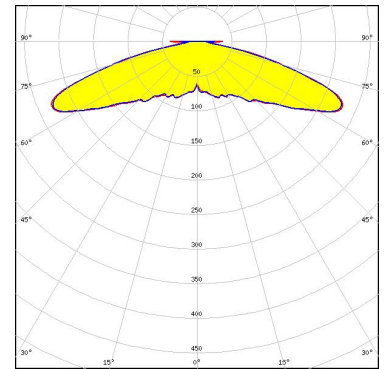




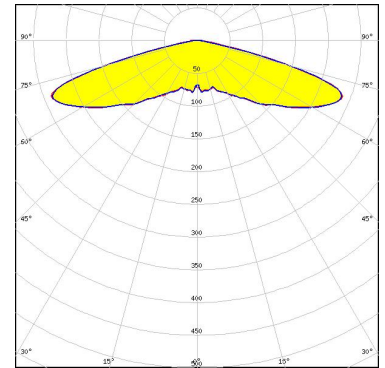
#### PHOTOMETRIC DATA (SIMULATED):



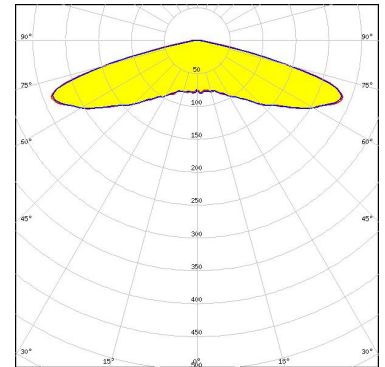
LED XB-D  
 FWHM / FWTM 151.0° / 180.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



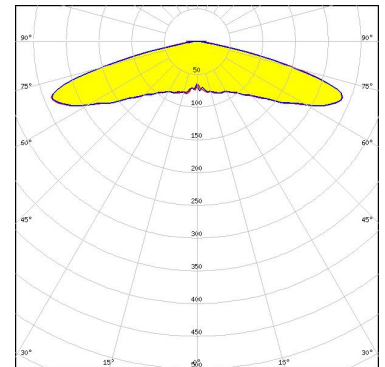
LED XM-L  
 FWHM / FWTM 152.0° / 161.0°  
 Efficiency 96 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XM-L2  
 FWHM / FWTM 152.0° / 160.0°  
 Efficiency 96 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G  
 FWHM / FWTM 152.0° / 163.0°  
 Efficiency 95 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

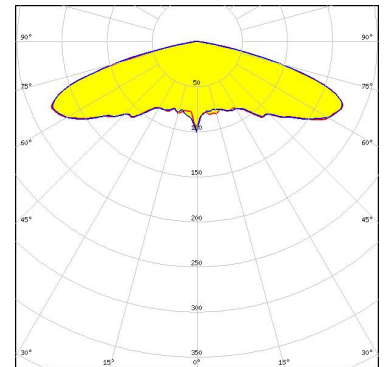


#### PHOTOMETRIC DATA (SIMULATED):

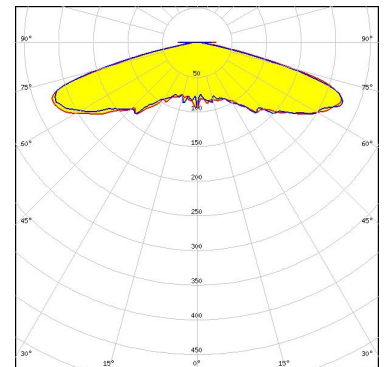


LED XP-G3  
 FWHM / FWTM 150.0° / 161.0°  
 Efficiency 74 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass

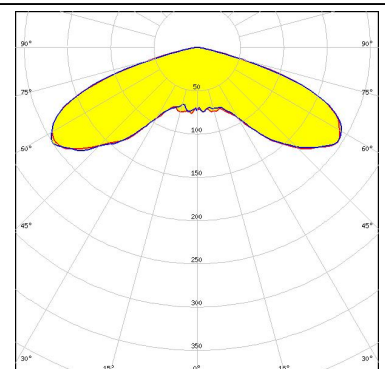


LED XP-L2  
 FWHM / FWTM 151.0° / 161.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

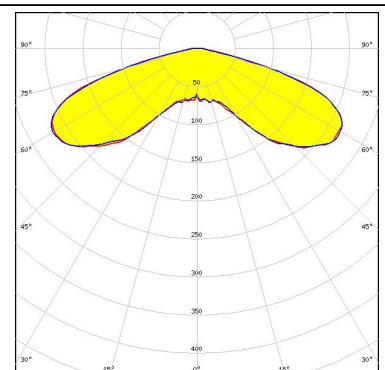


LED LUXEON 5050 Round LES  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



LED LUXEON 5050 Square LES  
 FWHM / FWTM 148.0° / 161.0°  
 Efficiency 96 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

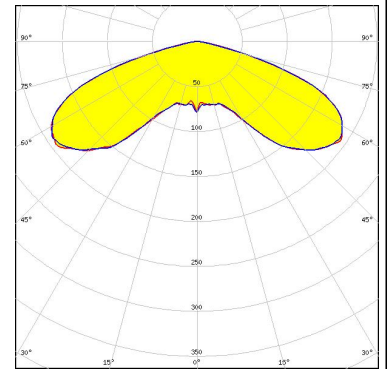


#### PHOTOMETRIC DATA (SIMULATED):

##### LUMILEDS

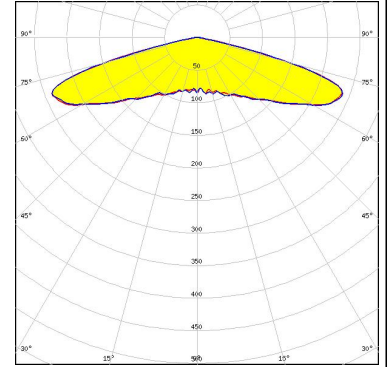
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



##### LUMILEDS

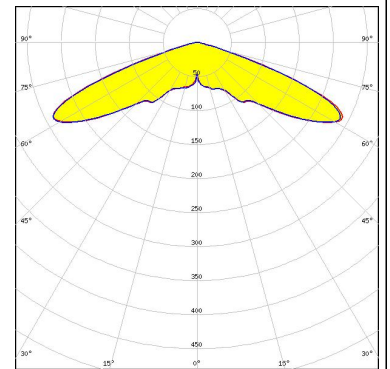
LED LUXEON HL2X  
 FWHM / FWTM 150.0° / 158.0°  
 Efficiency 95 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### LUMILEDS

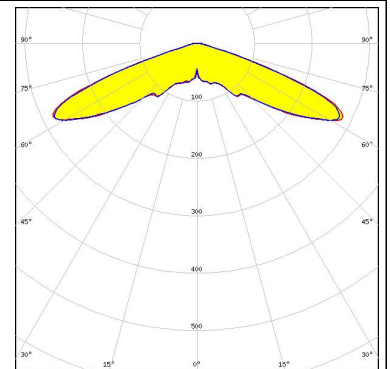
LED LUXEON HL2Z  
 FWHM / FWTM 140.0° / 152.0°  
 Efficiency 80 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



##### LUMILEDS

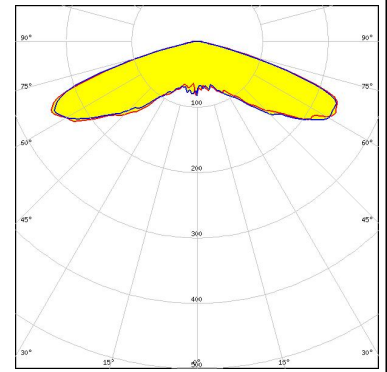
LED LUXEON HL2Z  
 FWHM / FWTM 142.0° / 152.0°  
 Efficiency 95 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

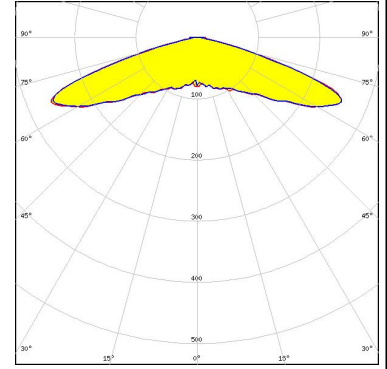
##### LUMILEDS

LED LUXEON MZ  
FWHM / FWTM 146.0° / 157.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



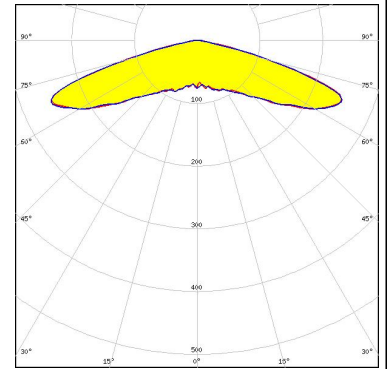
##### LUMILEDS

LED LUXEON Rebel ES  
FWHM / FWTM 146.0° / 158.0°  
Efficiency 95 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



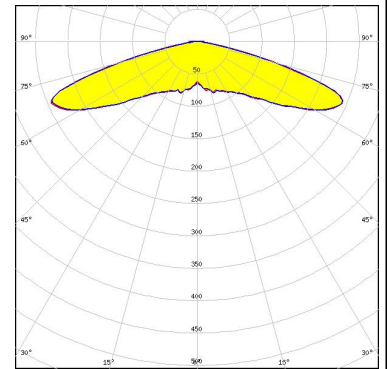
##### LUMILEDS

LED LUXEON T  
FWHM / FWTM 150.0° / 160.0°  
Efficiency 96 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### LUMILEDS

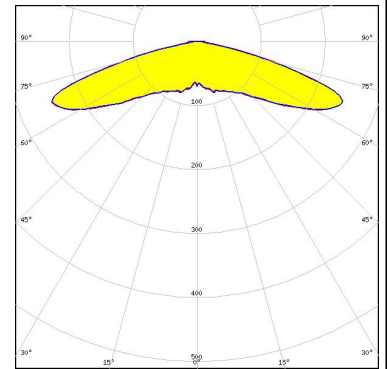
LED LUXEON TX  
FWHM / FWTM 150.0° / 160.0°  
Efficiency 95 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



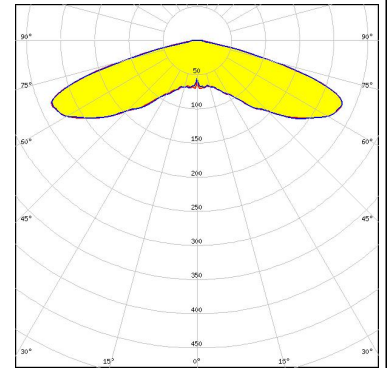
#### PHOTOMETRIC DATA (SIMULATED):



LED LUXEON TX  
 FWHM / FWTM 150.0° / 161.0°  
 Efficiency 95 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

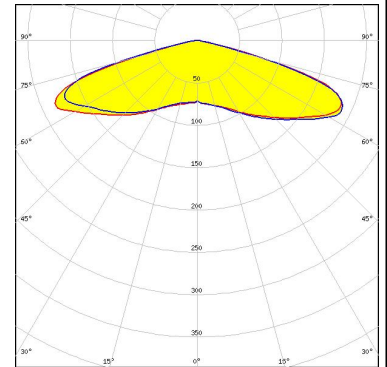


LED NV4WB35AM  
 FWHM / FWTM 150.0° / 160.0°  
 Efficiency 96 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



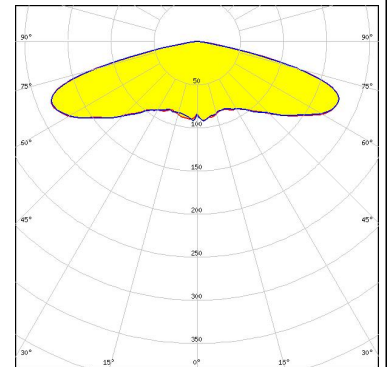
LED NVSW219F  
 FWHM / FWTM Asymmetric  
 Efficiency 77 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



LED NVSW519A  
 FWHM / FWTM 152.0° / 162.0°  
 Efficiency 77 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

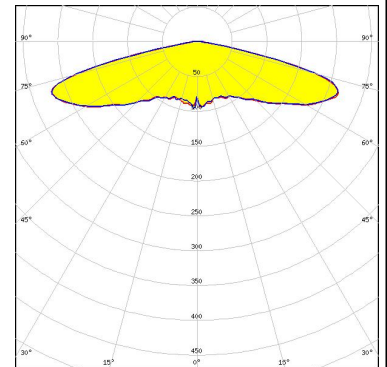
Protective plate, glass



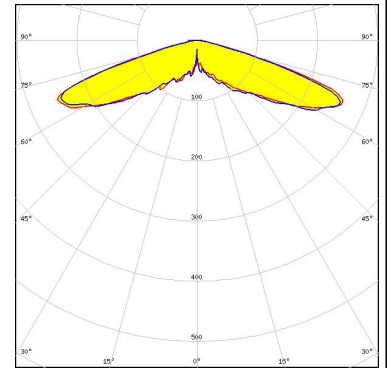
#### PHOTOMETRIC DATA (SIMULATED):



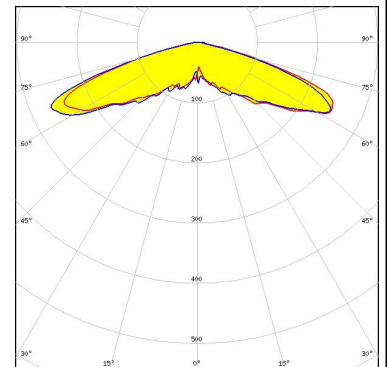
LED NVSW519A  
 FWHM / FWTM 154.0° / 163.0 + 162.0°  
 Efficiency 93 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



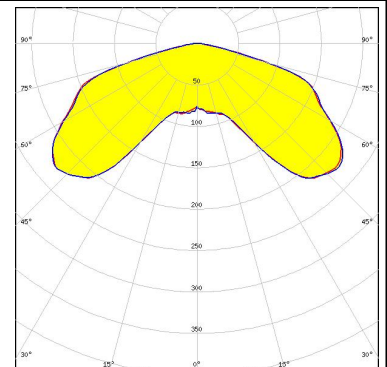
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED PrevaLED Brick HP 2x8  
 FWHM / FWTM 146.0° / 160.0°  
 Efficiency 93 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSCONIQ C 2424  
 FWHM / FWTM 146.0° / 160.0°  
 Efficiency 95 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 4  
 Light colour White  
 Required components:



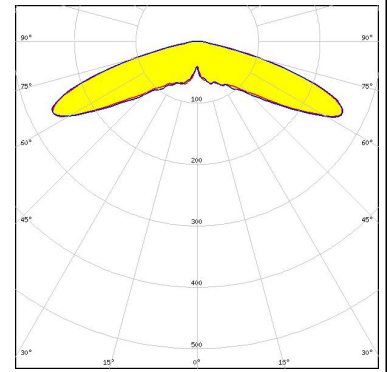


#### PHOTOMETRIC DATA (SIMULATED):

##### OSRAM

Opto Semiconductors

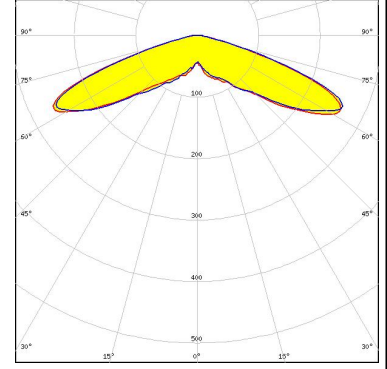
LED OSCONIQ P 3030  
FWHM / FWTM 148.0° / 162.0°  
Efficiency 95 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

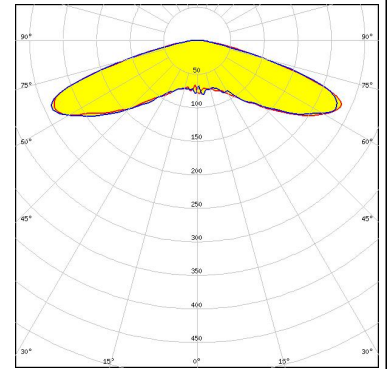
LED OSCONIQ P 3737 (2W version)  
FWHM / FWTM 144.0° / 158.0°  
Efficiency 93 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 (3W version)  
FWHM / FWTM 148.0° / 164.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

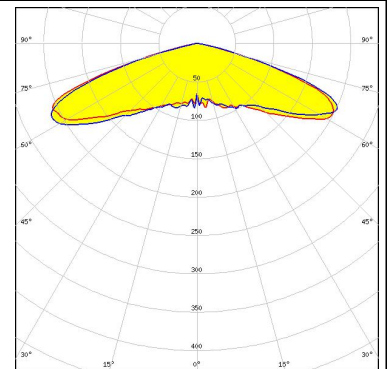


##### OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 146.0° / 156.0°  
Efficiency 79 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

Protective plate, glass

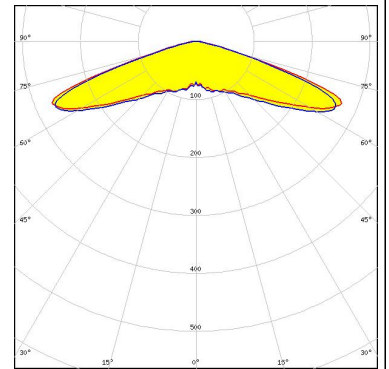


#### PHOTOMETRIC DATA (SIMULATED):

##### OSRAM

Opto Semiconductors

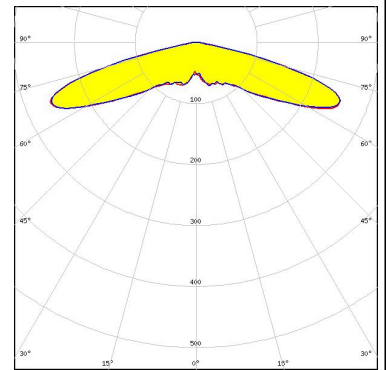
LED OSLON Square EC  
FWHM / FWTM 144.0° / 156.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

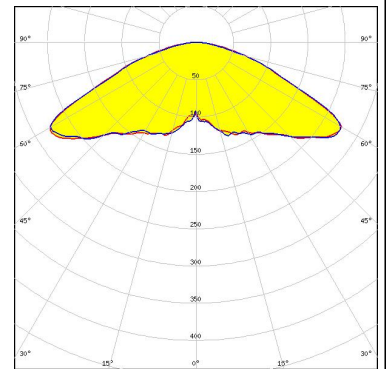
LED OSLON SSL 150  
FWHM / FWTM 152.0° / 160.0°  
Efficiency 96 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

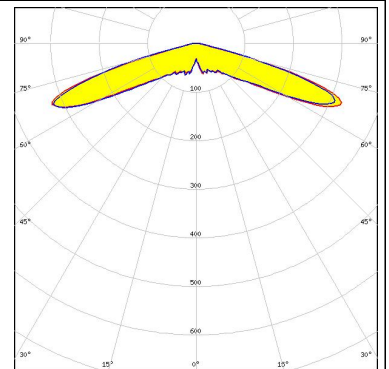
LED OSLON SSL 80  
FWHM / FWTM 138.0° / 164.0°  
Efficiency 95 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

LED SFH 4714A  
FWHM / FWTM 148.0° / 156.0°  
Efficiency 96 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

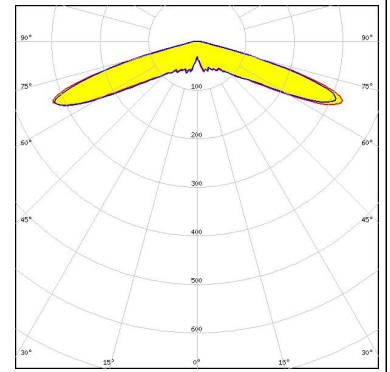


#### PHOTOMETRIC DATA (SIMULATED):

##### OSRAM

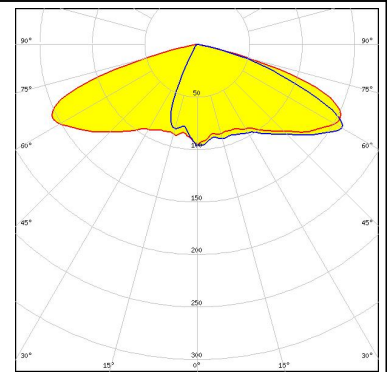
Opto Semiconductors

LED SFH 4714A  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### PHILIPS

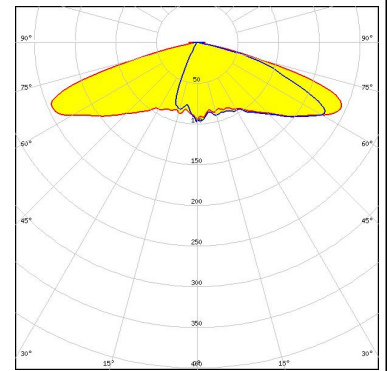
LED Fortimo FastFlex LED 2x8 DA G4+  
FWHM / FWTM Asymmetric  
Efficiency 43 %  
Peak intensity 0.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C17677\_STRADA-2X2-SHD-BLK



Protective plate, glass

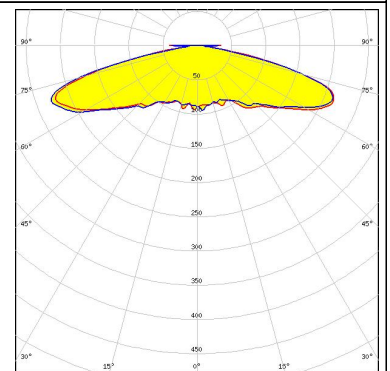
##### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+  
FWHM / FWTM Asymmetric  
Efficiency 50 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C17677\_STRADA-2X2-SHD-BLK



##### PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4  
FWHM / FWTM 154.0° / 165.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

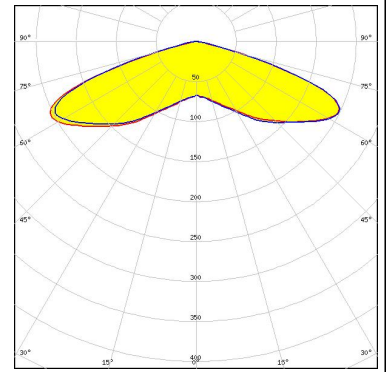


#### PHOTOMETRIC DATA (SIMULATED):

#### SAMSUNG

LED HiLOM RH12 Z (LH351C)  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

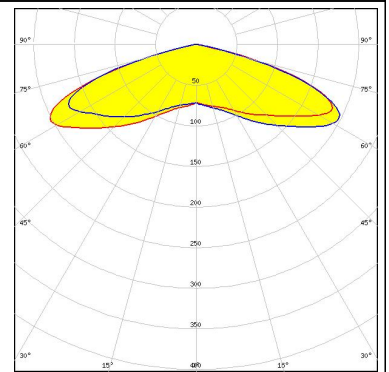
Protective plate, glass



#### SAMSUNG

LED LH351B  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

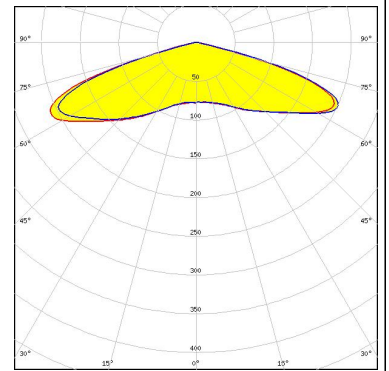
Protective plate, glass



#### SAMSUNG

LED LH351C  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

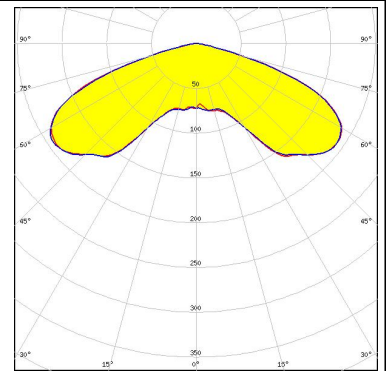
Protective plate, glass



#### SAMSUNG

LED LH502C  
 FWHM / FWTM 144.0° / 156.0°  
 Efficiency 80 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

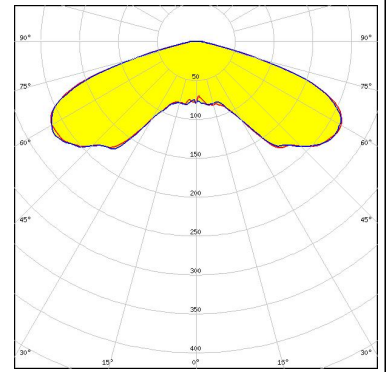
Protective plate, glass



#### PHOTOMETRIC DATA (SIMULATED):

#### SAMSUNG

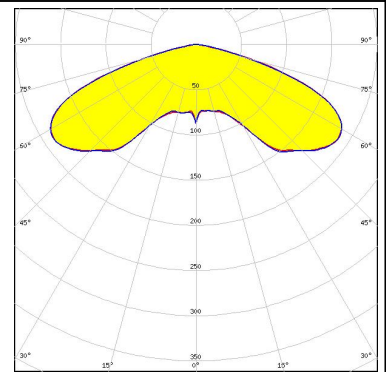
LED LH502C  
FWHM / FWTM 146.0° / 160.0°  
Efficiency 97 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

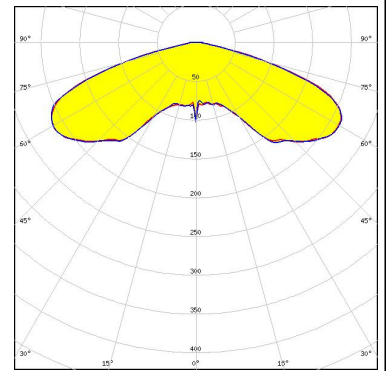
LED LH502D  
FWHM / FWTM 145.0 + 144.0° / 158.0°  
Efficiency 79 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

Protective plate, glass



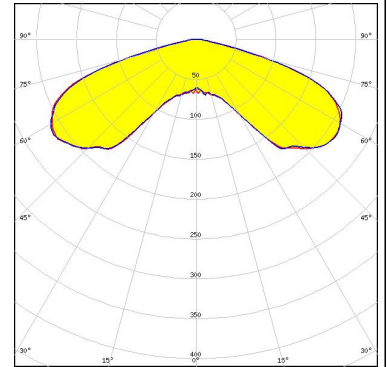
#### SAMSUNG

LED LH502D  
FWHM / FWTM 148.0° / 162.0 + 160.0°  
Efficiency 97 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:


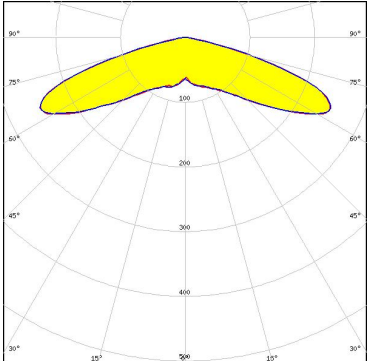

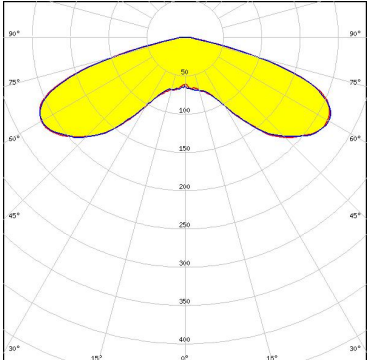

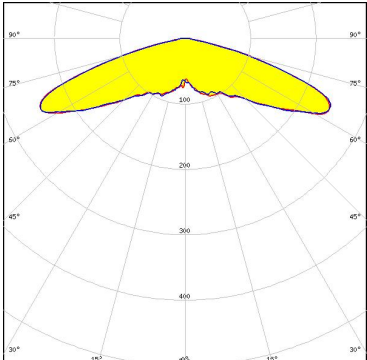


SEOUL SEMICONDUCTOR

LED MJT 5050  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 3030C</p> <p>FWHM / FWTM: 148.0° / 160.0°</p> <p>Efficiency: 95 %</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: SEOUL DC 5050 6V</p> <p>FWHM / FWTM: 148.0° / 161.0°</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>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED: Z5</p> <p>FWHM / FWTM: 147.0° / 160.0°</p> <p>Efficiency: 95 %</p> <p>Peak intensity: 0.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	



### 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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