

## STRADA-2X2-T1

Symmetric IESNA Type I (medium) beam for narrow roads and paths with long pole distance and tilted armature

### SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	7.8 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

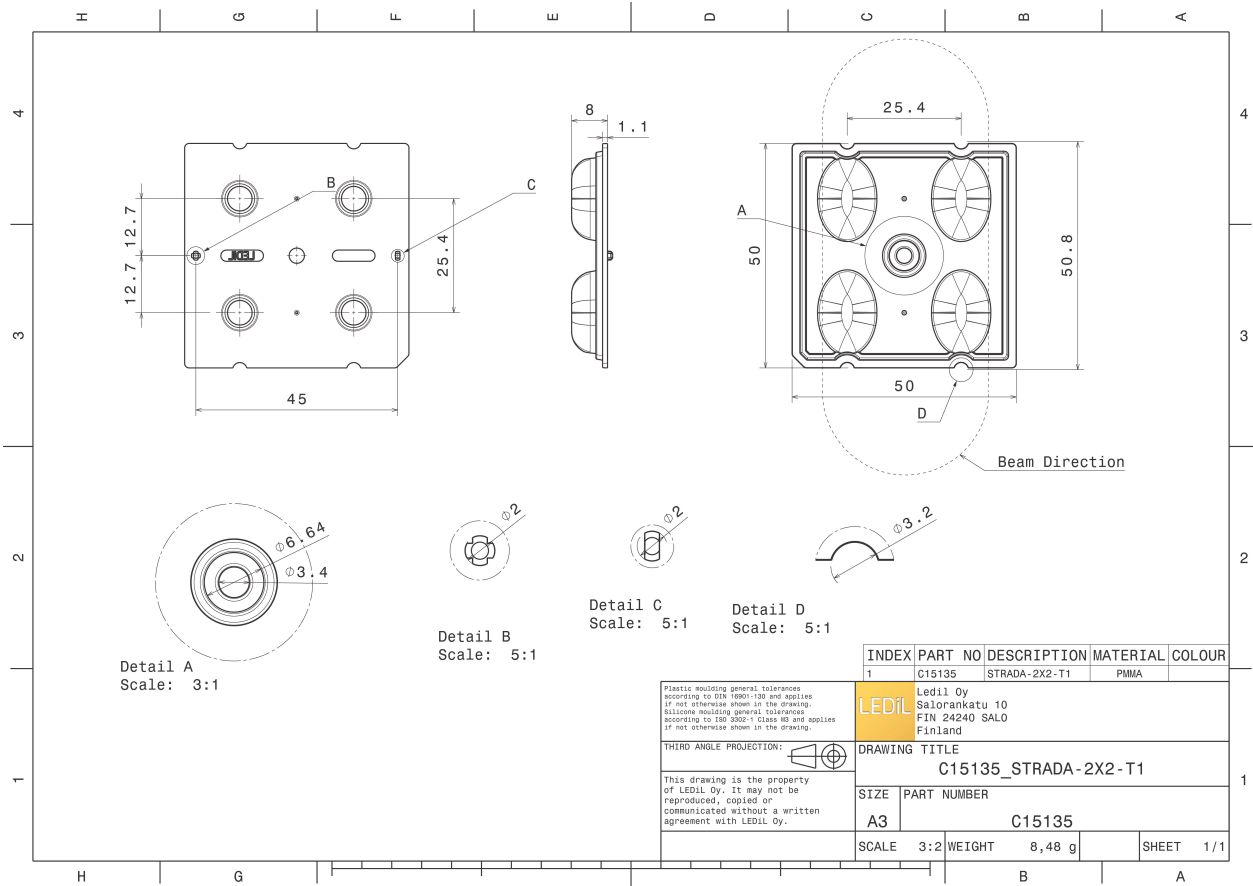


### MATERIALS:

Component	Type	Material	Colour	Finish
STRADA-2X2-T1	Multi-lens	PMMA	clear	


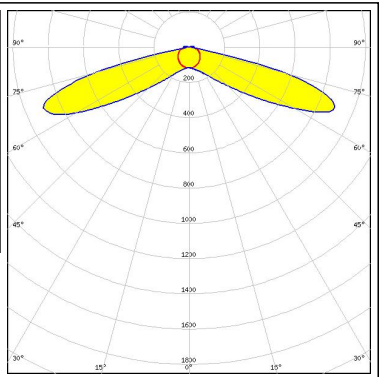

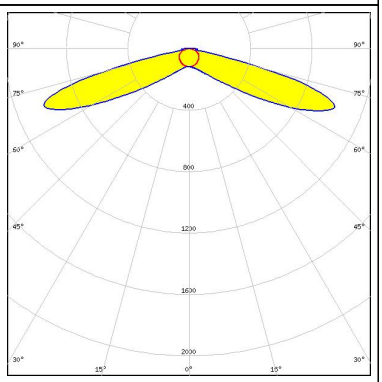

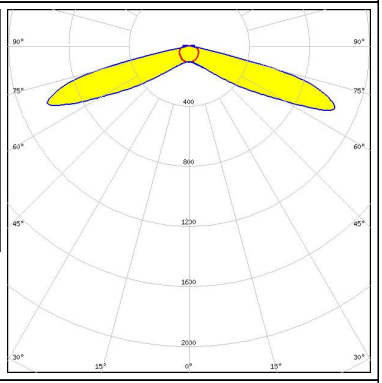

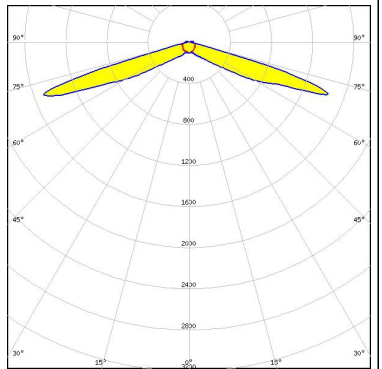
### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15135_STRADA-2X2-T1 » Box size: 480 x 280 x 300 mm	800	160	160	6.9



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

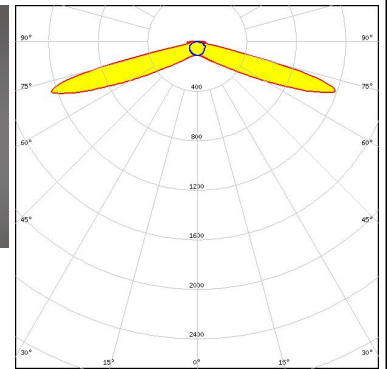
#### OPTICAL RESULTS (MEASURED):

<p><b>bridgelux</b></p> <p>LED Bridgelux SMD 5050            FWHM / FWTM Asymmetric            Efficiency 94 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE LEDs</b></p> <p>LED J Series 5050C 6V E Class            FWHM / FWTM Asymmetric            Efficiency 96 %            Peak intensity 1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE LEDs</b></p> <p>LED XD16            FWHM / FWTM Asymmetric            Efficiency 94 %            Peak intensity 1.1 cd/lm            LEDs/each optic 4            Light colour White            Required components:</p>		
<p><b>CREE LEDs</b></p> <p>LED XD16            FWHM / FWTM Asymmetric            Efficiency 94 %            Peak intensity 1.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

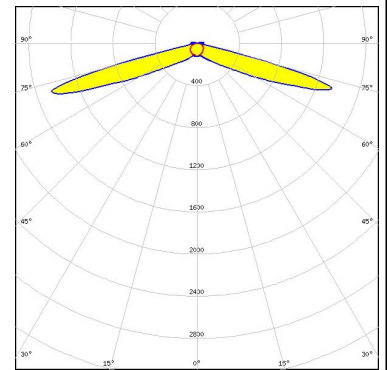
#### OPTICAL RESULTS (MEASURED):



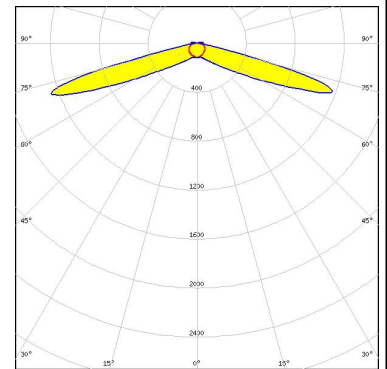
LED XM-L3  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



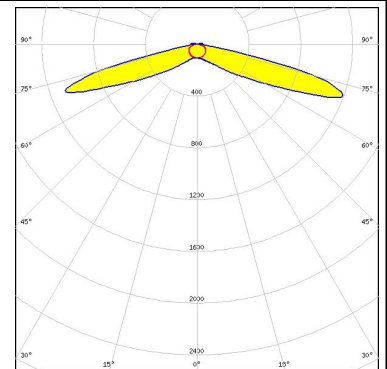
LED XP-G2  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



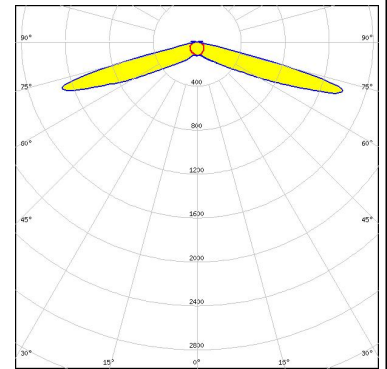
LED XP-L HD  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



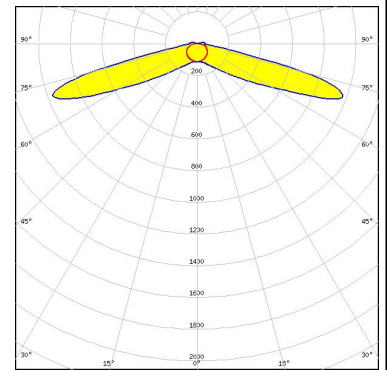
#### OPTICAL RESULTS (MEASURED):



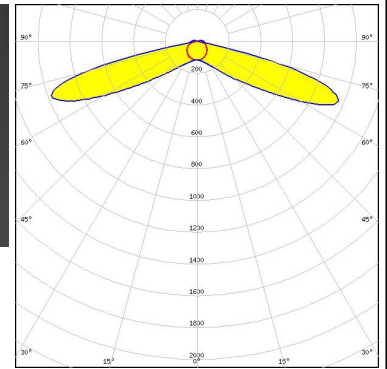
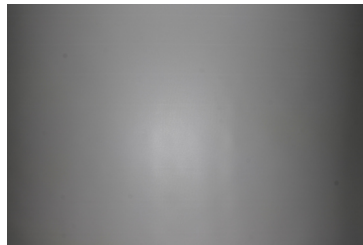
LED XP-L HI  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



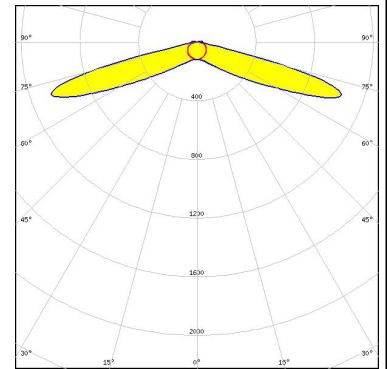
LED XP-L2  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



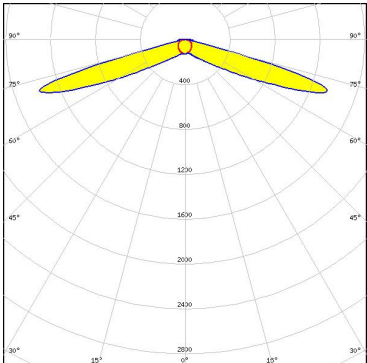
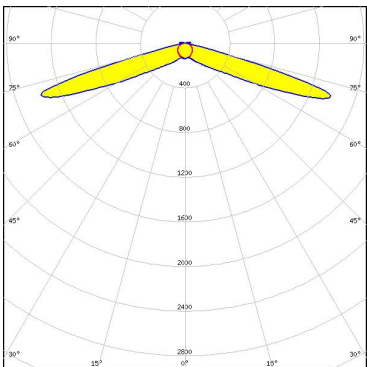
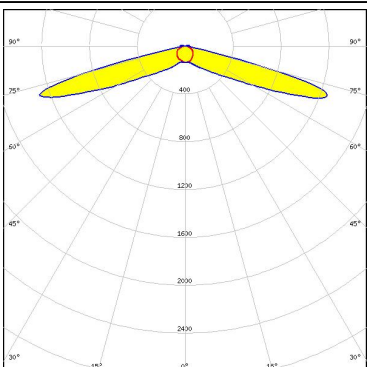
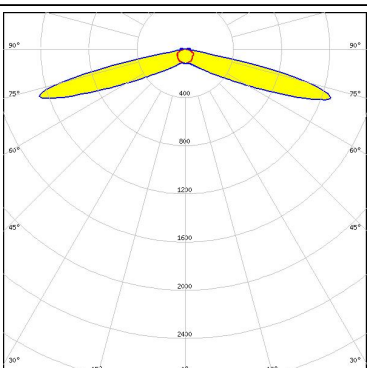
LED LUXEON 5050 Round LES  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




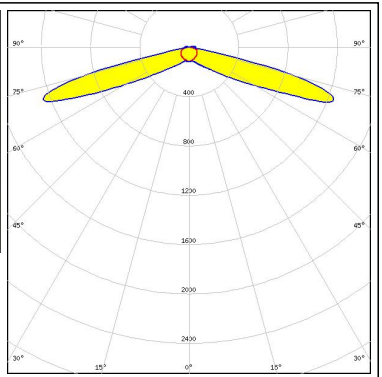

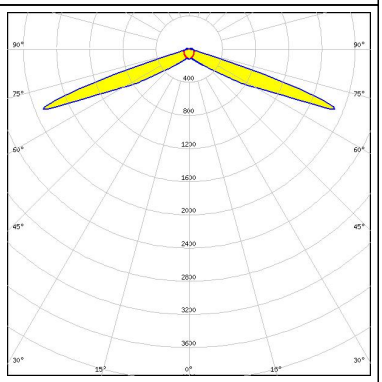

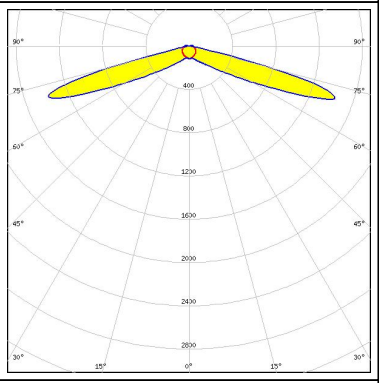

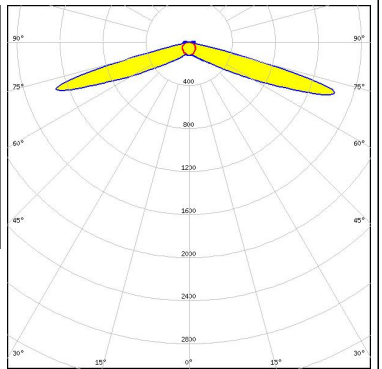
LED LUXEON V  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON V2            FWHM / FWTM Asymmetric            Efficiency 94 %            Peak intensity 1.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>MST</b> <i>Your solutions</i></p> <p>LED RecLED 122x50mm 1900lm 730 2x4 Opt G1            FWHM / FWTM Asymmetric            Efficiency 97 %            Peak intensity 1.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NVSW219D            FWHM / FWTM Asymmetric            Efficiency 94 %            Peak intensity 1.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NVSW319B            FWHM / FWTM Asymmetric            Efficiency 94 %            Peak intensity 1.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

#### OPTICAL RESULTS (MEASURED):

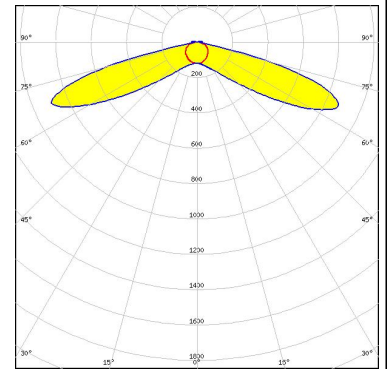
<p><b>NICHIA</b></p> <p>LED NVSW3x9A            FWHM / FWTM Asymmetric            Efficiency 94 %            Peak intensity 1.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxE21A            FWHM / FWTM Asymmetric            Efficiency 94 %            Peak intensity 2.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM / FWTM Asymmetric            Efficiency 94 %            Peak intensity 1.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b></p> <p>LED PrevaLED Brick HP 2x8            FWHM / FWTM Asymmetric            Efficiency 94 %            Peak intensity 1.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

##### OSRAM

Opto Semiconductors

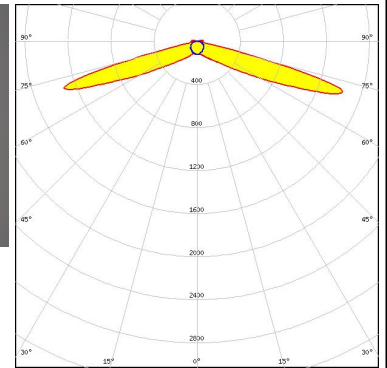
LED Duris S8  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

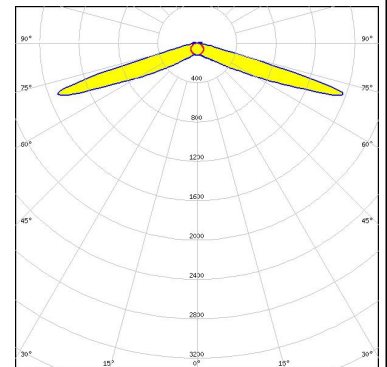
LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

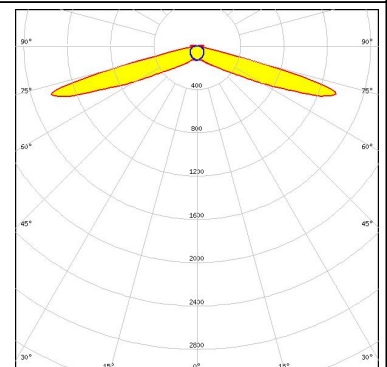
Opto Semiconductors

LED OSLON Square PC  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

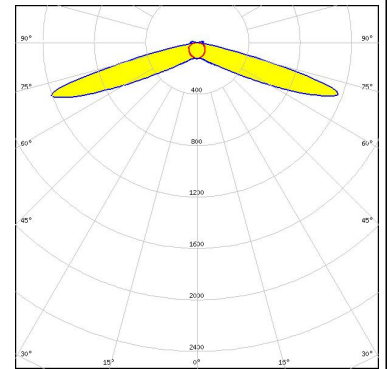




#### OPTICAL RESULTS (MEASURED):

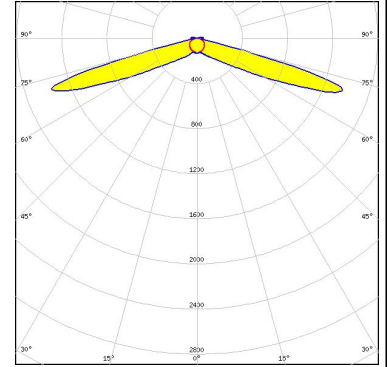
### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



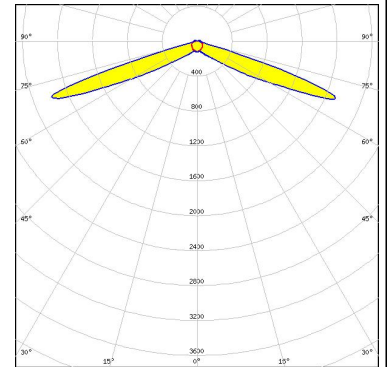
### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G5  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



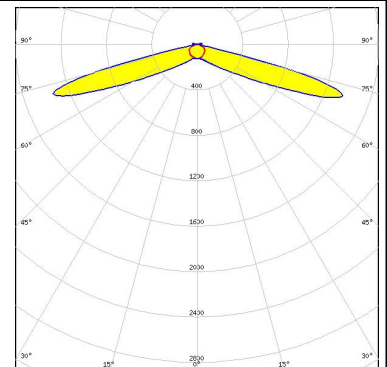
### SAMSUNG

LED HiLOM RC12 Z (LH181B)  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

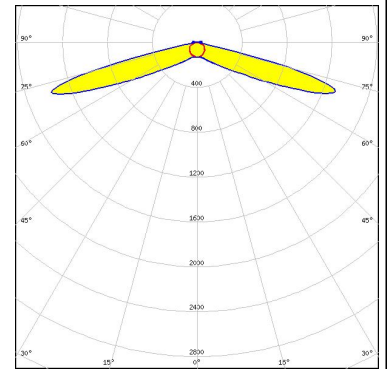
LED HiLOM RH12 Z (LH351C)  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

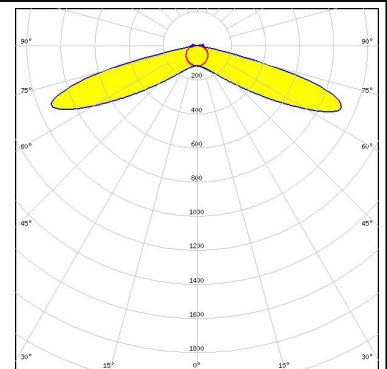
### SAMSUNG

LED HiLOM RH16 (LH351C)  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



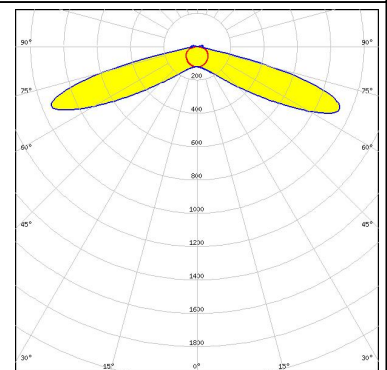
### SAMSUNG

LED HiLOM RM12 Z (LH502C)  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



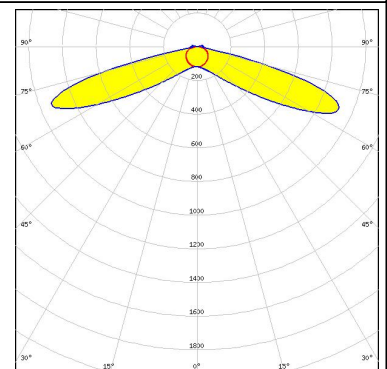
### SAMSUNG

LED HiLOM RM16 Z (LH502C)  
 FWHM / FWTM Asymmetric  
 Efficiency 99 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

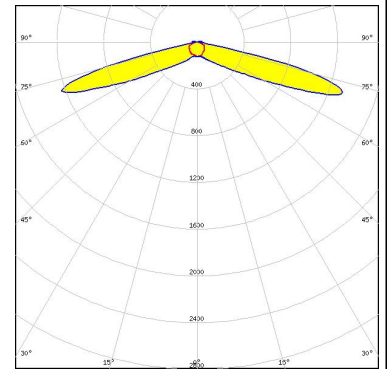
LED HiLOM RM8 Z (LH502C)  
 FWHM / FWTM Asymmetric  
 Efficiency 98 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

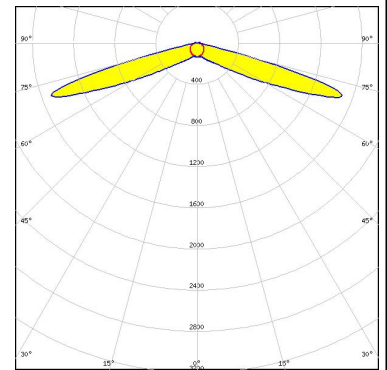
### SAMSUNG

LED LH351B  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



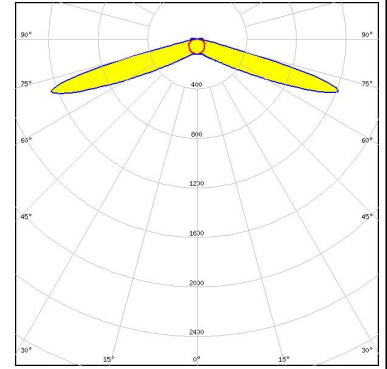
### SKITEC

LED LED-Pa-L15c2W11c2-xxx-C050-01  
 FWHM / FWTM Asymmetric  
 Efficiency 98 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



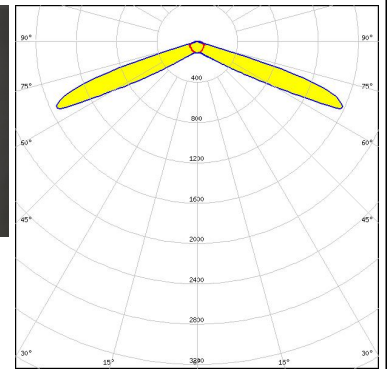
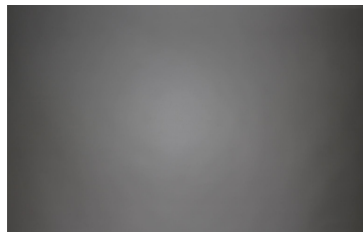
### SEOL

SEOL SEMICONDUCTOR  
 LED Z5M3  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SEOL

SEOL SEMICONDUCTOR  
 LED Z8Y22  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

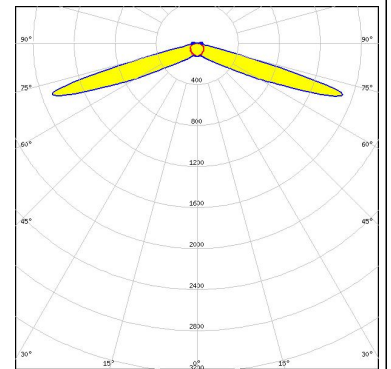
			
LED	Z8Y22P		
FWHM / FWTM	Asymmetric		
Efficiency	94 %		
Peak intensity	1.3 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:			

#### TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

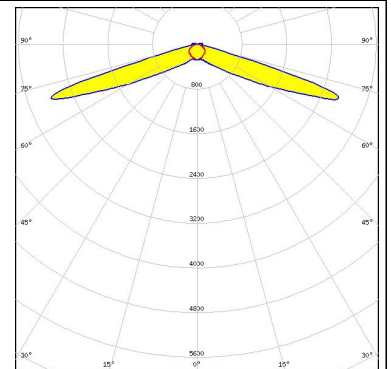
#### TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### TRIDONIC

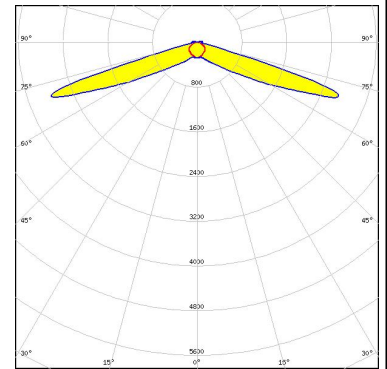
LED RLE G1 49x121mm 2000lm xxx EXC OTD  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

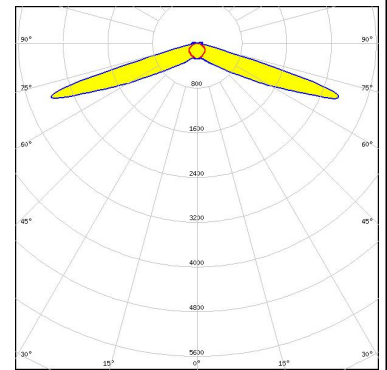
#### TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



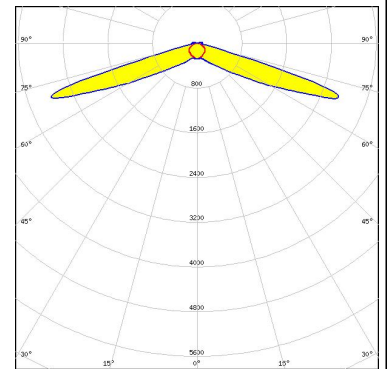
#### TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### TRIDONIC

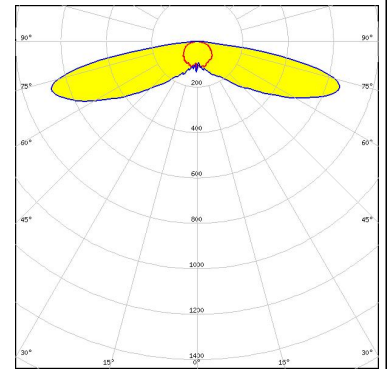
LED RLE G1 49x245mm 4000lm xxx EXC OTD  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OPTICAL RESULTS (SIMULATED):

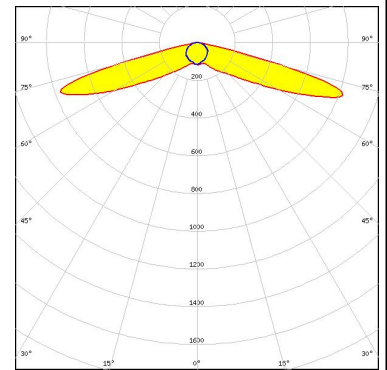


LED MHB-A/B  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

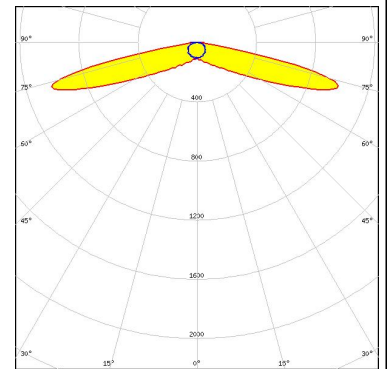


LED XP-G2  
 FWHM / FWTM Asymmetric  
 Efficiency 77 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass

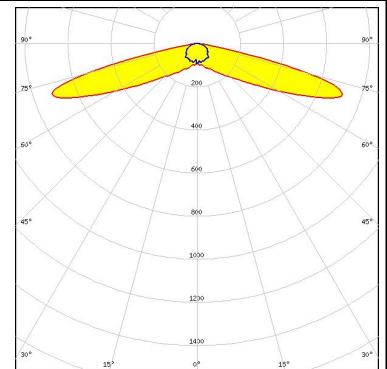


LED XP-G2 HE  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass

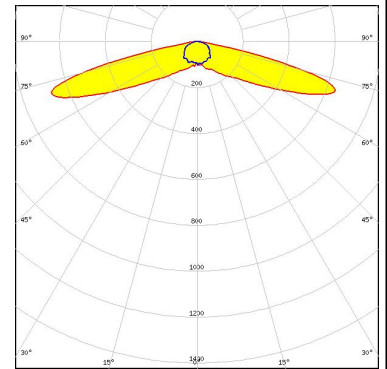


#### OPTICAL RESULTS (SIMULATED):

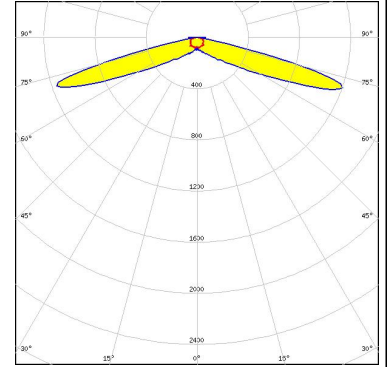


LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 77 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

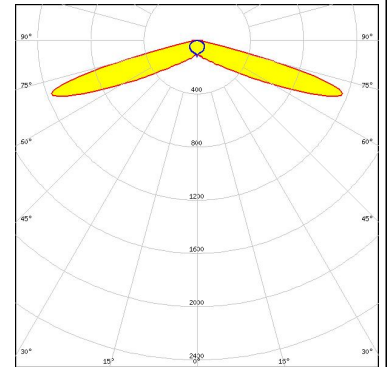
Protective plate, glass



LED XT-E  
 FWHM / FWTM Asymmetric  
 Efficiency 90 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

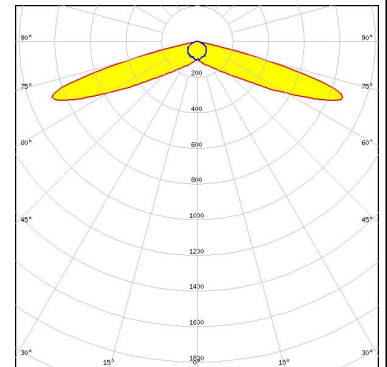


LED LUXEON 3030 HE Plus  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

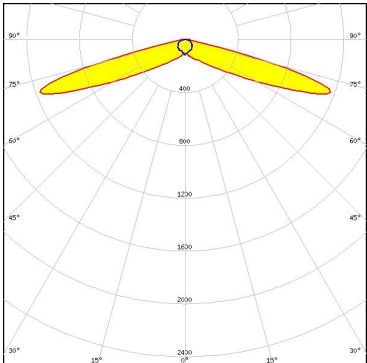
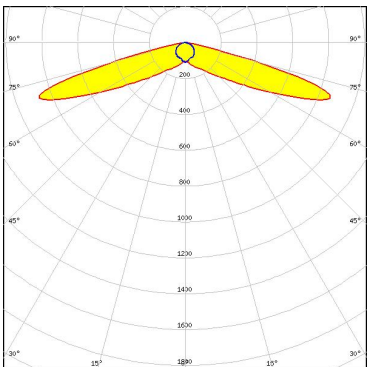
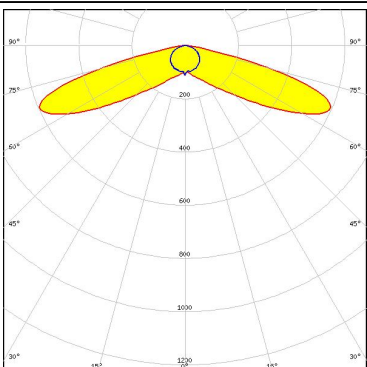
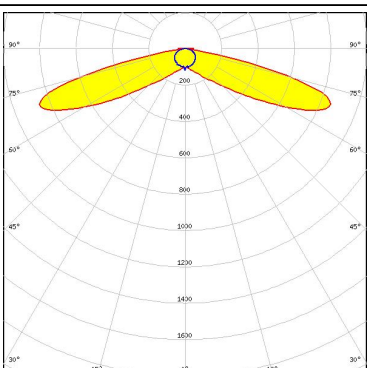


LED LUXEON 3030 HE Plus  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass

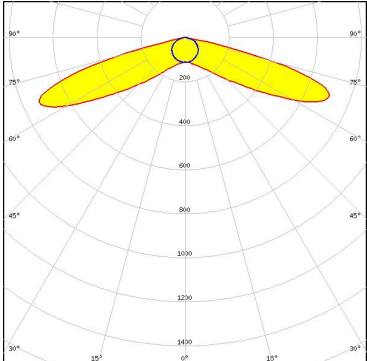
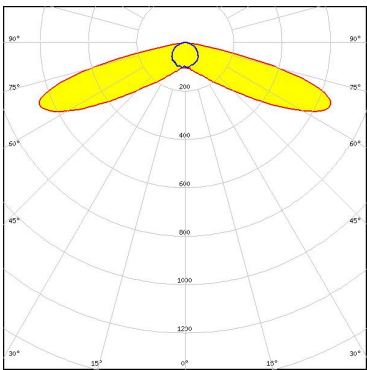
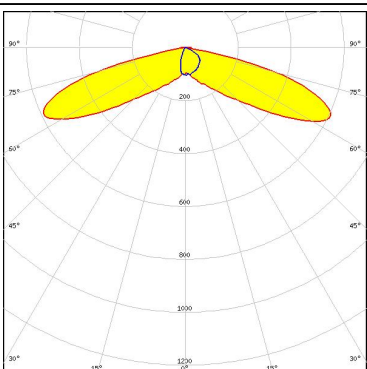
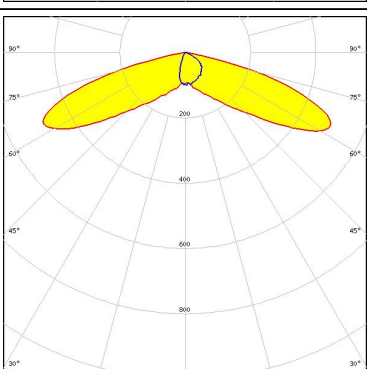


#### OPTICAL RESULTS (SIMULATED):

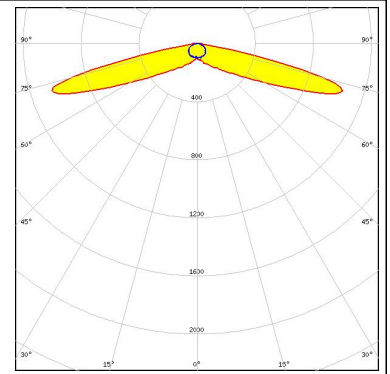
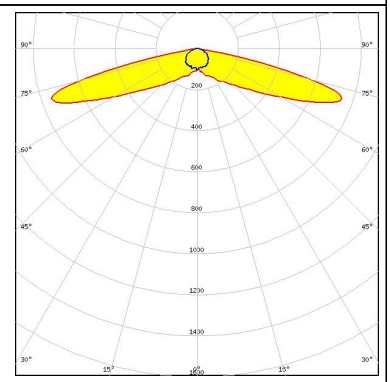
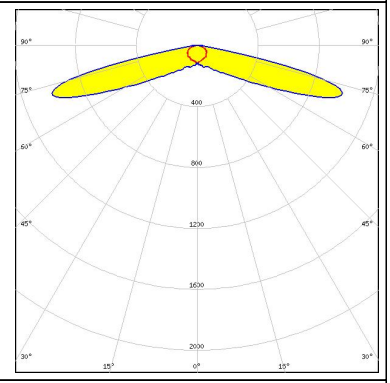
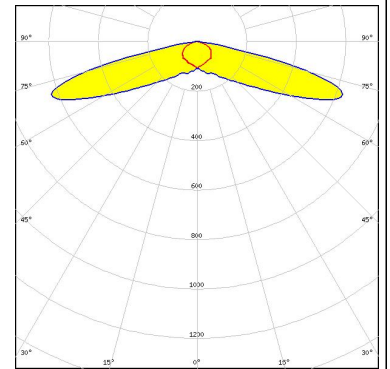
<p><b>LUMILEDS</b></p> <p>LED: LUXEON 3535L            FWHM / FWTM: Asymmetric            Efficiency: 93 %            Peak intensity: 1.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON 3535L            FWHM / FWTM: Asymmetric            Efficiency: 79 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p> <p style="background-color: #e0f0ff; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON 5050 HE            FWHM / FWTM: Asymmetric            Efficiency: 77 %            Peak intensity: 0.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p> <p style="background-color: #e0f0ff; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON 5050 HE            FWHM / FWTM: Asymmetric            Efficiency: 93 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	



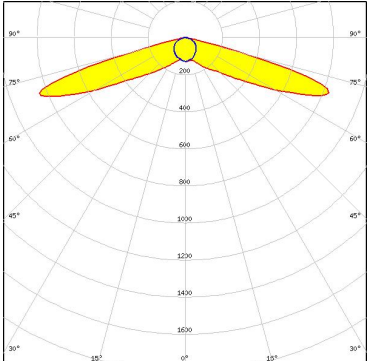
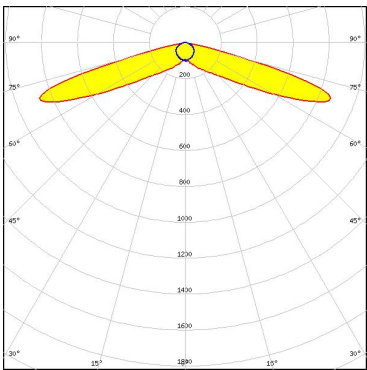
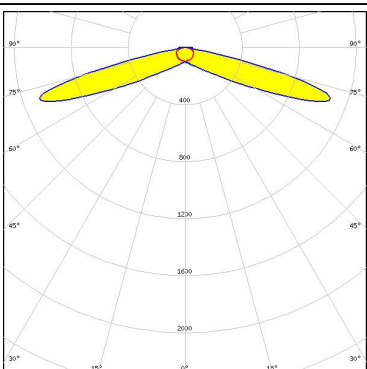
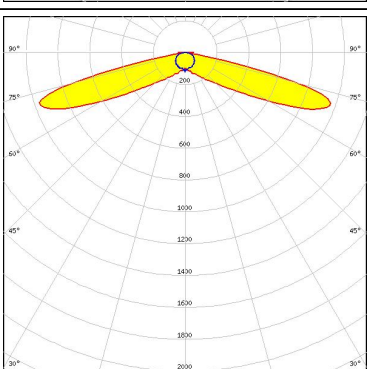
#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 82 %</p> <p>Peak intensity 0.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 78 %</p> <p>Peak intensity 0.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 57 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C17677_STRADA-2X2-SHD-BLK</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 49 %</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>C17677_STRADA-2X2-SHD-BLK</p> <p>Protective plate, glass</p>	

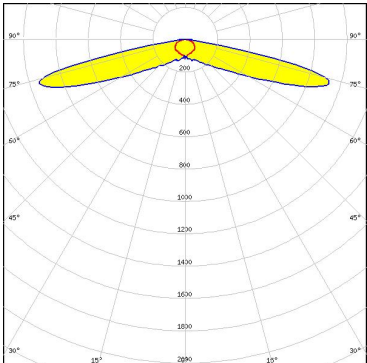
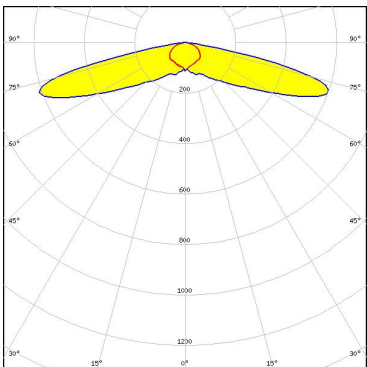
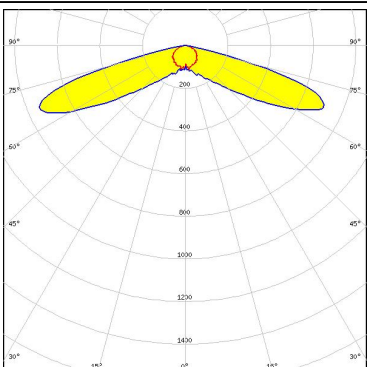
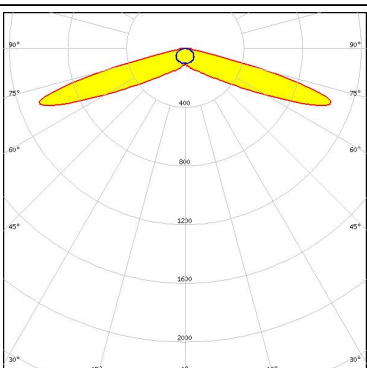
#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED: LUXEON HL2X            FWHM / FWTM: Asymmetric            Efficiency: 93 %            Peak intensity: 1.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON HL2X            FWHM / FWTM: Asymmetric            Efficiency: 79 %            Peak intensity: 0.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p> <p>Protective plate, glass</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)            FWHM / FWTM: Asymmetric            Efficiency: 96 %            Peak intensity: 1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)            FWHM / FWTM: Asymmetric            Efficiency: 78 %            Peak intensity: 0.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p> <p>Protective plate, glass</p>	

#### OPTICAL RESULTS (SIMULATED):

<p><b>MST</b> <i>Your solutions</i></p> <p>LED: RecLED 122x50mm 1900lm 730 2x4 Opt G1</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 80 %</p> <p>Peak intensity: 0.8 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p><b>NICHIA</b></p> <p>LED: NF2x757G</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 78 %</p> <p>Peak intensity: 0.9 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p><b>NICHIA</b></p> <p>LED: NF3W585AR</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.1 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NV4WB35AM</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 95 %</p> <p>Peak intensity: 1 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

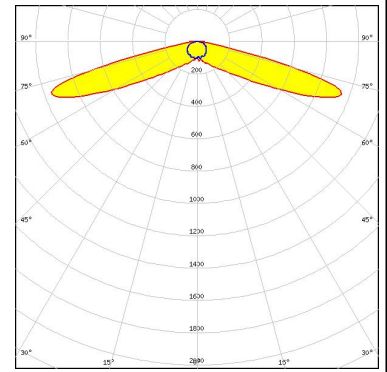
<p><b>NICHIA</b></p> <p>LED: NVSW519A            FWHM / FWTM: Asymmetric            Efficiency: 93 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSW519A            FWHM / FWTM: Asymmetric            Efficiency: 79 %            Peak intensity: 0.6 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><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: Duris S8            FWHM / FWTM: Asymmetric            Efficiency: 80 %            Peak intensity: 0.7 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><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: OSCONIQ P 3737 (2W version)            FWHM / FWTM: Asymmetric            Efficiency: 96 %            Peak intensity: 1.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

Opto Semiconductors

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

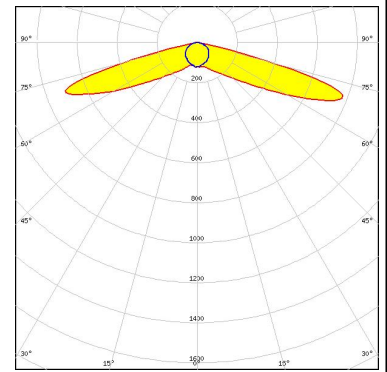


##### OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



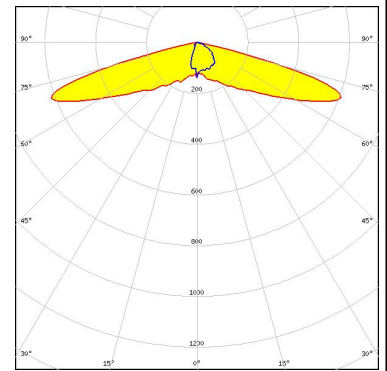
##### OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM Asymmetric  
 Efficiency 57 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

C17580\_STRADA-2X2-SHD-WHT

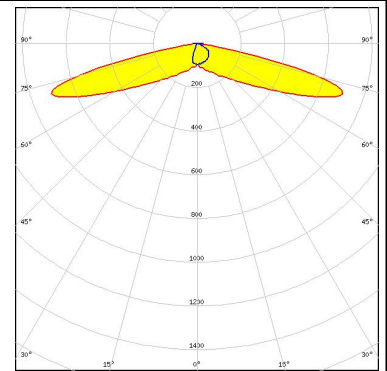
Protective plate, glass



##### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+  
 FWHM / FWTM Asymmetric  
 Efficiency 58 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

C17677\_STRADA-2X2-SHD-BLK

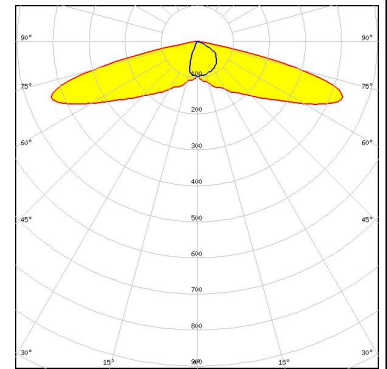


### OPTICAL RESULTS (SIMULATED):

#### PHILIPS

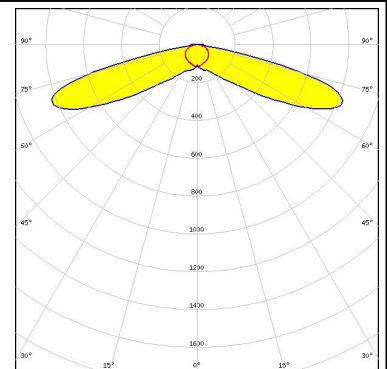
LED Fortimo FastFlex LED 2x8 DA G4+  
 FWHM / FWTM Asymmetric  
 Efficiency 50 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK

Protective plate, glass



#### PHILIPS

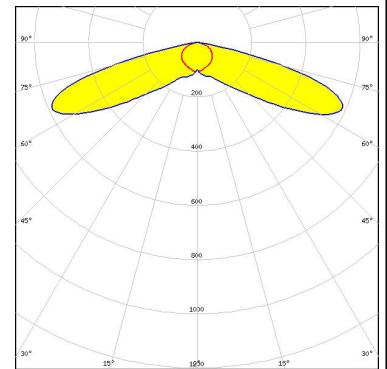
LED Fortimo FastFlex LED 2x8 DA HE  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHILIPS

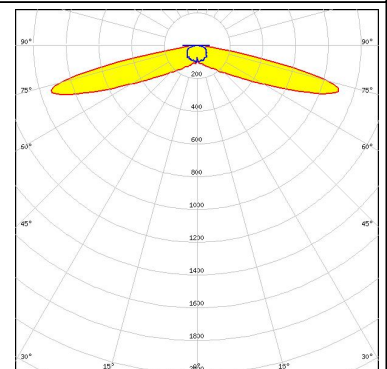
LED Fortimo FastFlex LED 2x8 DA HE  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



#### PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

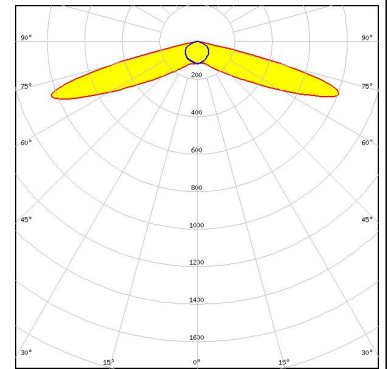


#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

LED HiLOM RH12 Z (LH351C)  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

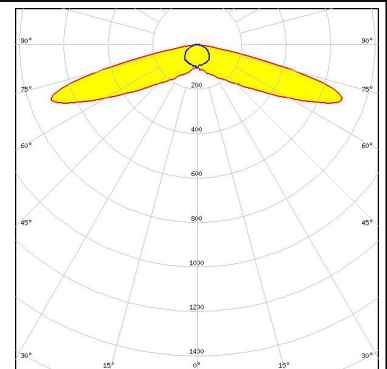
Protective plate, glass



### SAMSUNG

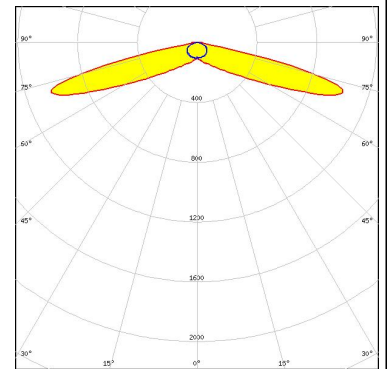
LED LH351B  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



### SAMSUNG

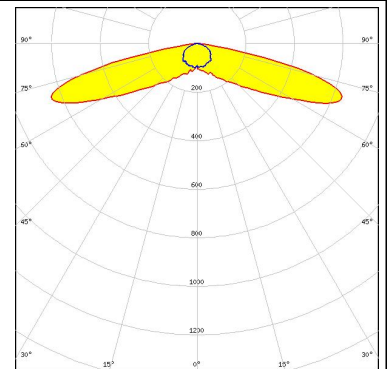
LED LH351C  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

LED LH351D  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

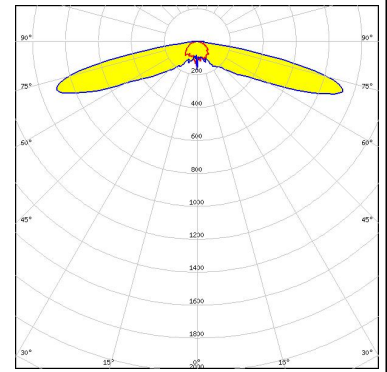
Protective plate, glass



#### OPTICAL RESULTS (SIMULATED):

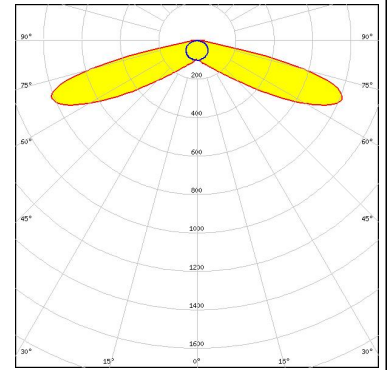
### SAMSUNG

LED LH351D  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



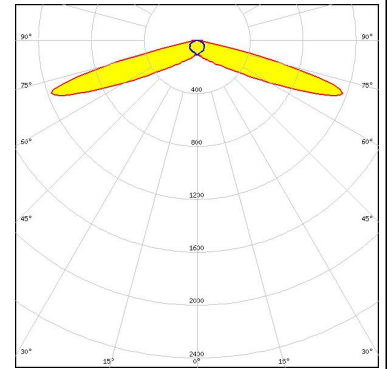
SEOUL SEMICONDUCTOR

LED MJT 5050  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



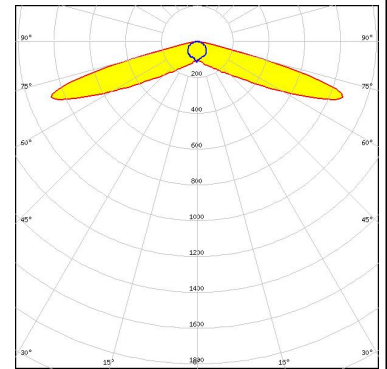
SEOUL SEMICONDUCTOR

LED SEOUL DC 3030C  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED SEOUL DC 3030C  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



Protective plate, glass



#### OPTICAL RESULTS (SIMULATED):

<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: SEOUL DC 5050 6V</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 93 %</p> <p>Peak intensity: 0.8 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: Z5M3</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 77 %</p> <p>Peak intensity: 0.8 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; display: inline-block;">Protective plate, glass</p>	
<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: Z5M4</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 96 %</p> <p>Peak intensity: 1.1 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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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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P.R.CHINA

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