

## STRADA-2X2-T3

IESNA Type III (medium) beam for roads that are equal to or wider than mounting height

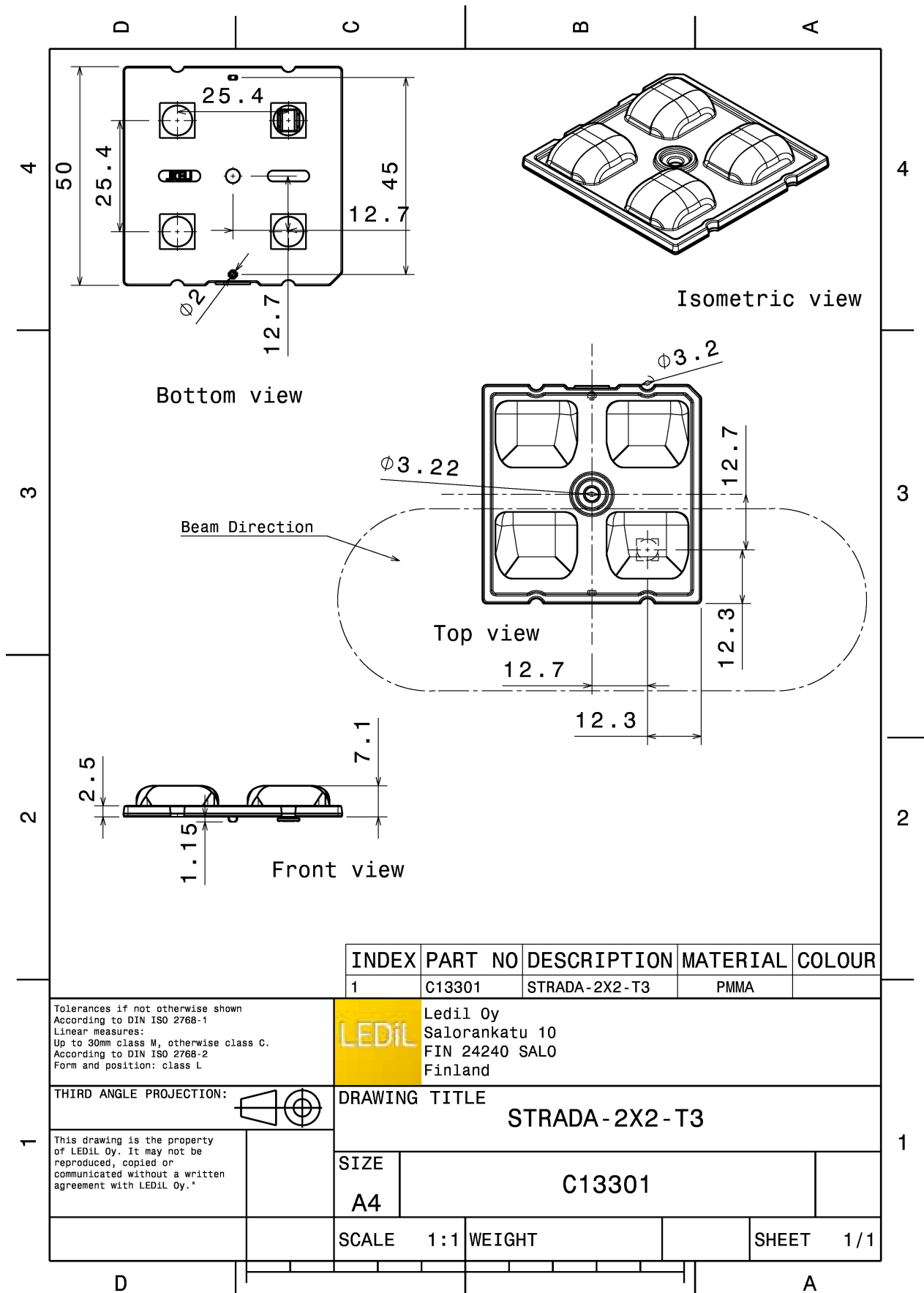
### TECHNICAL SPECIFICATIONS:

Dimensions	50.0 mm
Height	7.1 mm
Fastening	glue, pin, screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	7.6 kg
Quantity in Box	800 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
STRADA-2X2-T3	Multi-lens	PMMA	clear



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C13301	STRADA-2X2-T3	PMMA	

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C.  
According to DIN ISO 2768-2  
Form and position: class L



Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE

**STRADA - 2X2 - T3**

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SIZE

**A4**

**C13301**

SCALE

**1:1**

WEIGHT

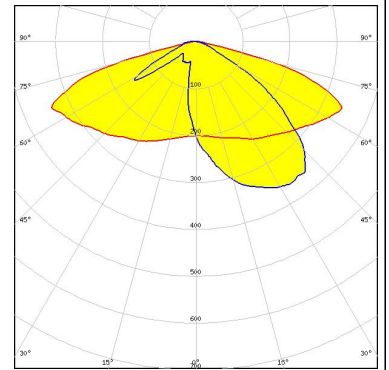
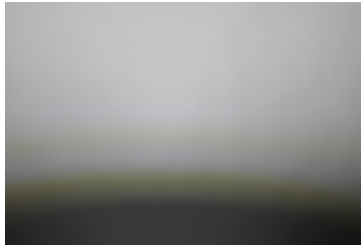
SHEET

**1/1**

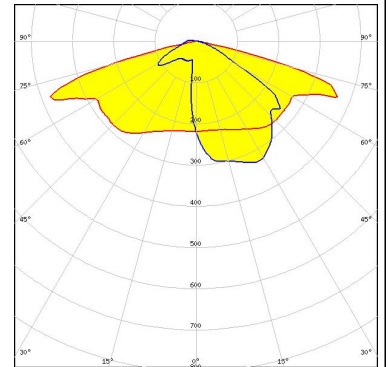
#### PHOTOMETRIC DATA (MEASURED):



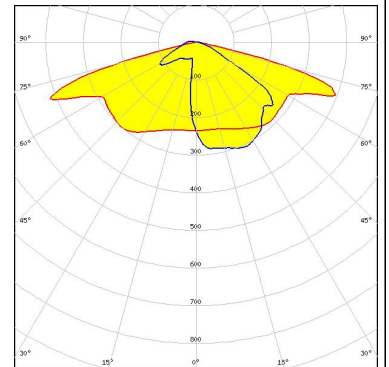
LED Bridgelux SMD 5050  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.520 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



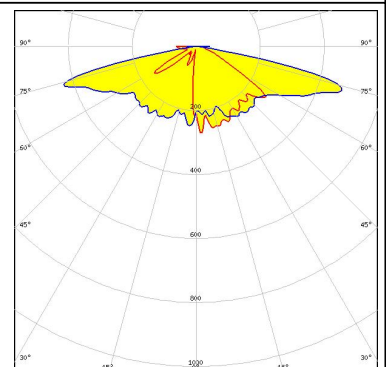
LED QUICK FLUX XTP 2x4 xxx LS G5  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.620 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED QUICK FLUX XTP 2x6 xxx LS G5  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.640 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



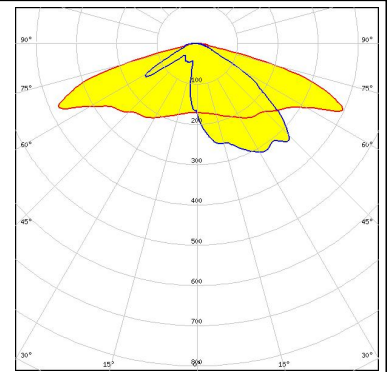
LED XB-D  
 FWHM Asymmetric  
 Efficiency %  
 Peak intensity cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

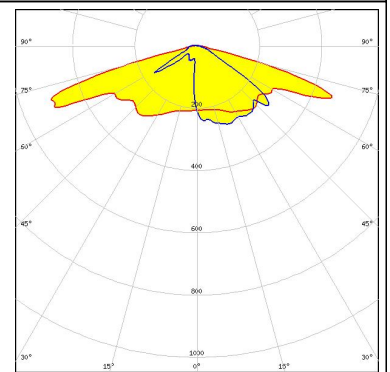
**CREE** 

LED XD16  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 4  
 Light colour White  
 Required components:



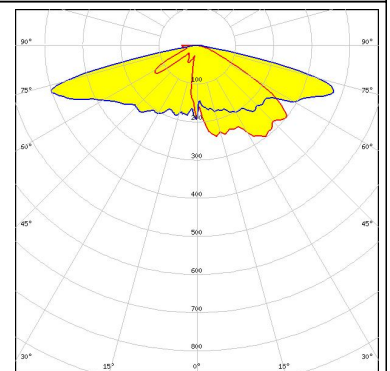
**CREE** 

LED XD16  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.860 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



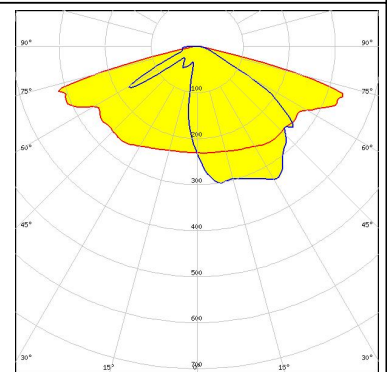
**CREE** 

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



**CREE** 

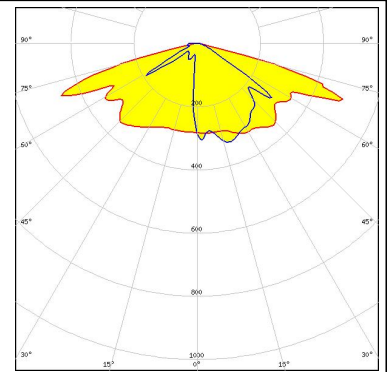
LED XM-L2  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.540 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

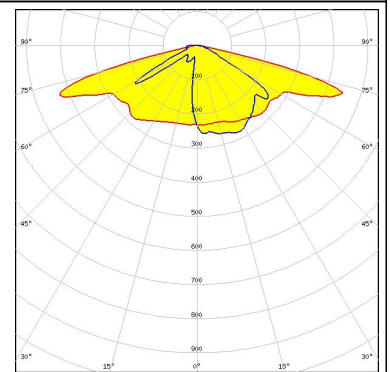
#### CREE

LED XP-E2  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



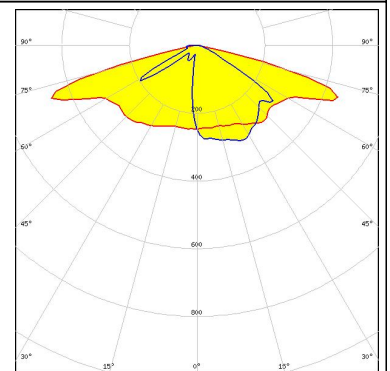
#### CREE

LED XP-G  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



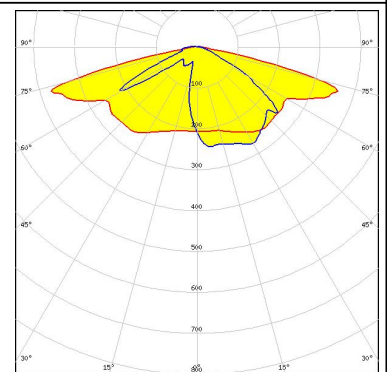
#### CREE

LED XP-G2  
 FWHM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.680 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE

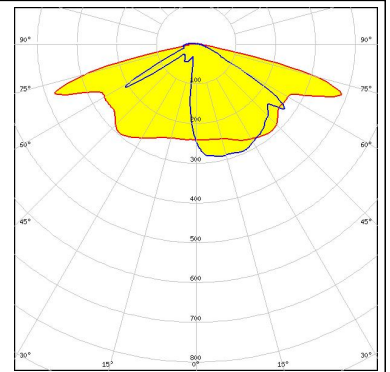
LED XP-L HD  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.540 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

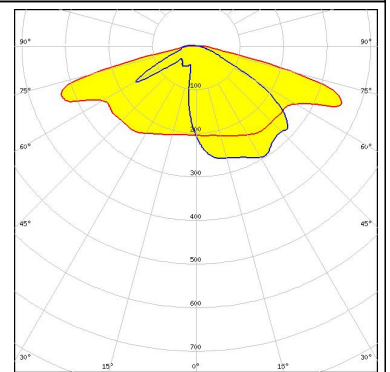
**CREE** ⇄

LED XP-L HI  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.650 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



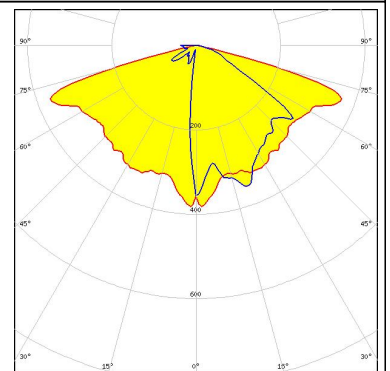
**CREE** ⇄

LED XP-L2  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.560 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



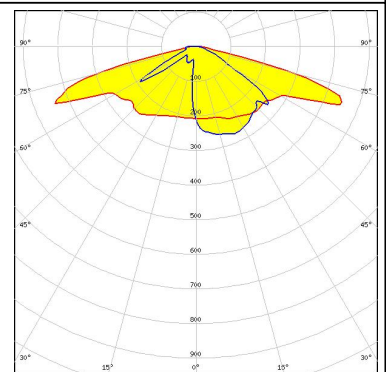
**CREE** ⇄

LED XQ-E HD  
 FWHM Asymmetric  
 Efficiency %  
 Peak intensity cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



**CREE** ⇄

LED XT-E  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.730 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

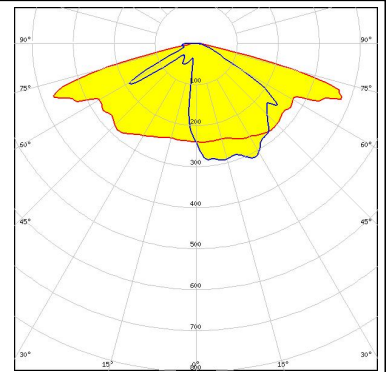




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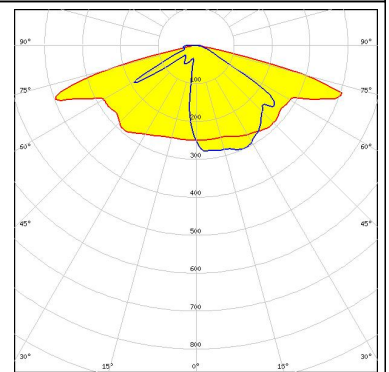
##### LG Innotek

LED H35C0 (LEMWA33)  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.610 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



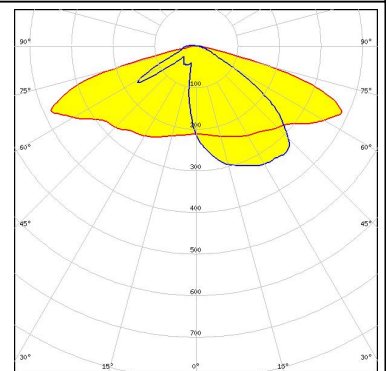
##### LG Innotek

LED H35C1 (LEMWA33)  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.700 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



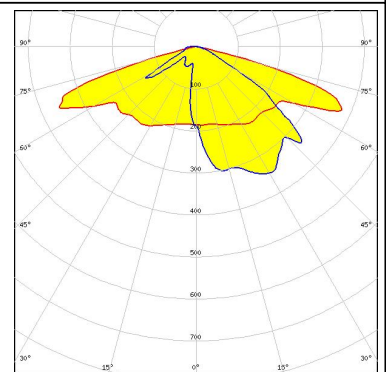
##### LUMILEDS

LED LUXEON 5050  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.550 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### LUMILEDS

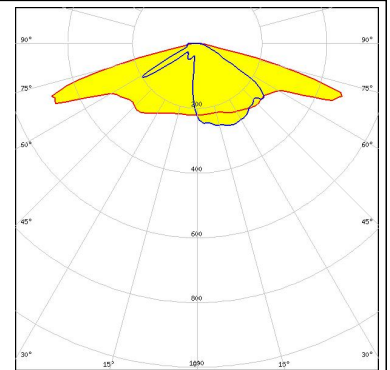
LED LUXEON MZ  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.680 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

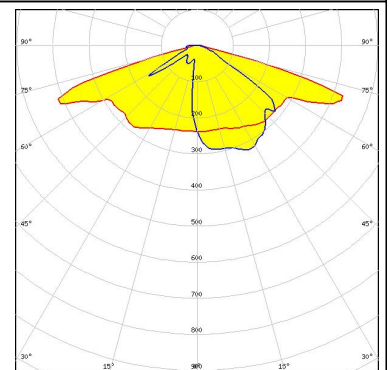
##### LUMILEDS

LED LUXEON Q  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



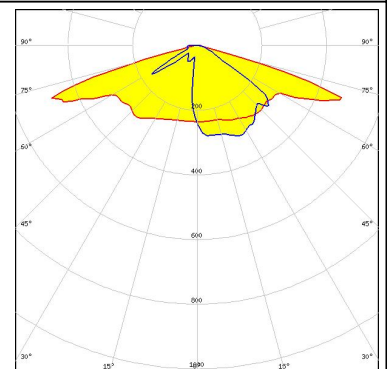
##### LUMILEDS

LED LUXEON R  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.740 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



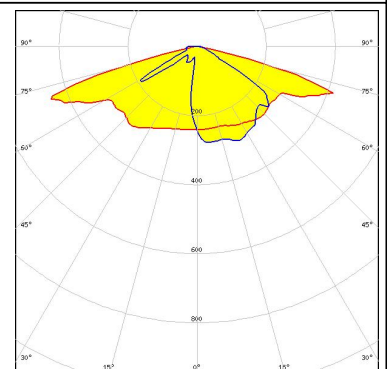
##### LUMILEDS

LED LUXEON Rebel ES  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.720 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### LUMILEDS

LED LUXEON T  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.670 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

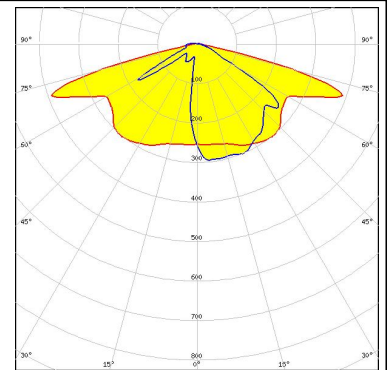




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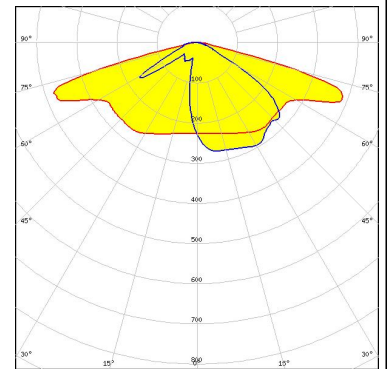
##### LUMILEDS

LED LUXEON TX  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.660 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



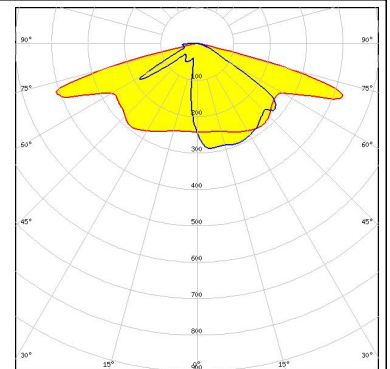
##### LUMILEDS

LED LUXEON V  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.570 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



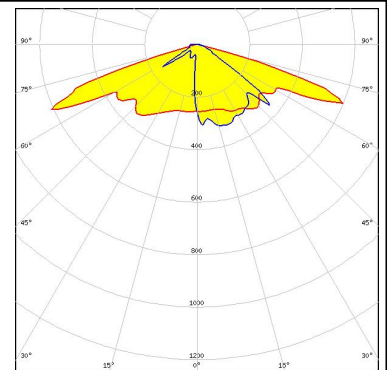
##### LUMILEDS

LED LUXEON V2  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### LUMILEDS

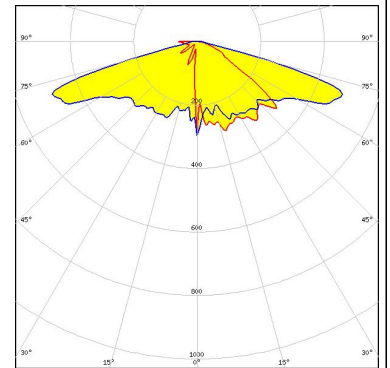
LED LUXEON Z ES  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.930 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



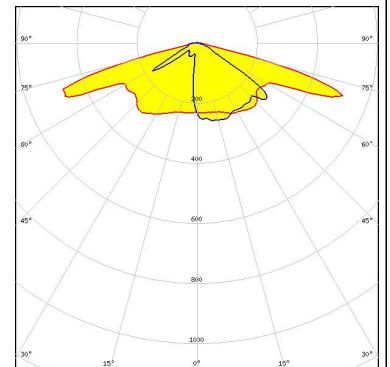
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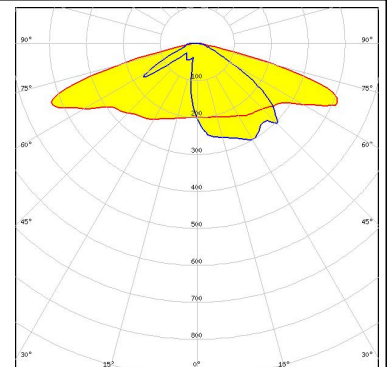
LED NCSxx19A  
 FWHM Asymmetric  
 Efficiency %  
 Peak intensity cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



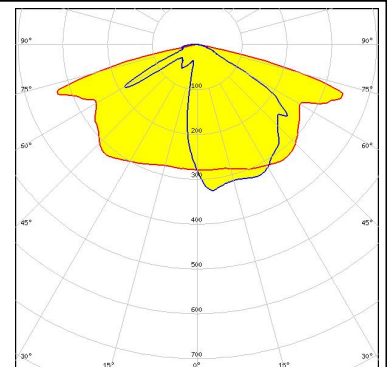
LED NCSxx19B  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.840 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NS9x383  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



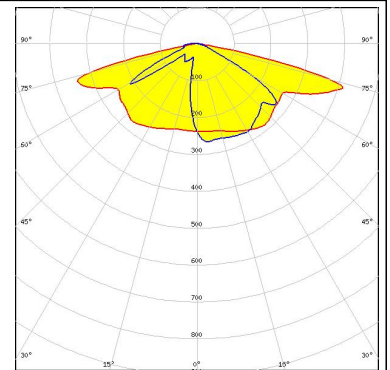
LED NVSW219D  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.550 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



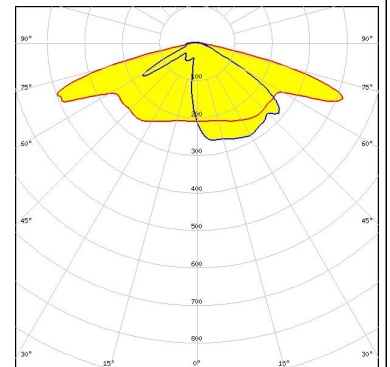
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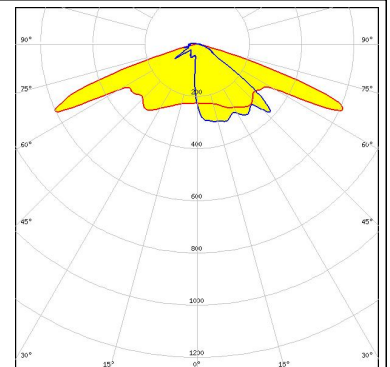
LED NVSW319B  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



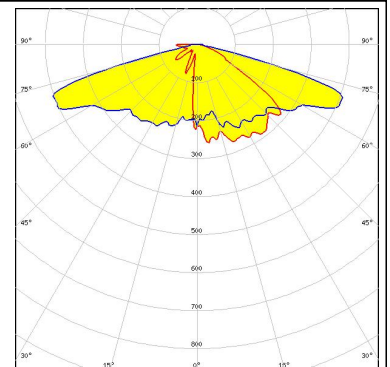
LED NVSW3x9A  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.670 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxE21A  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.040 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



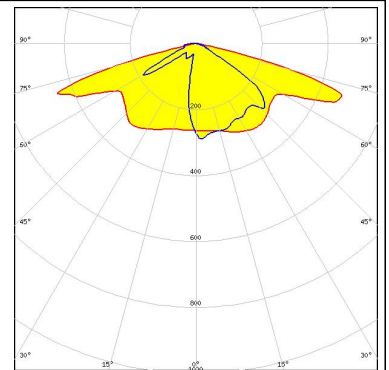
LED NVSxx19A  
 FWHM Asymmetric  
 Efficiency %  
 Peak intensity cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



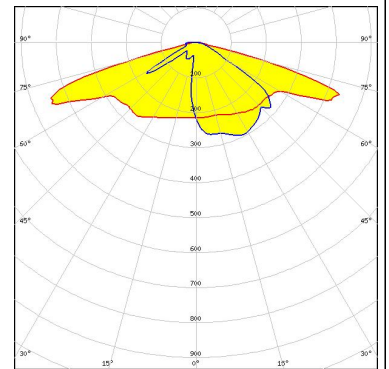
#### PHOTOMETRIC DATA (MEASURED):



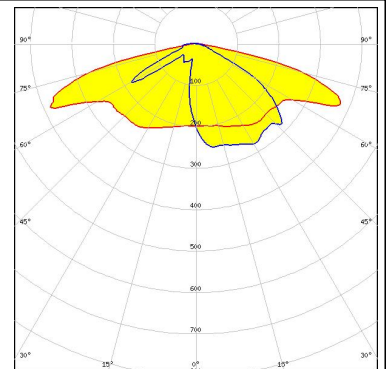
LED NVSxx19B/NVSxx19C  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.640 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



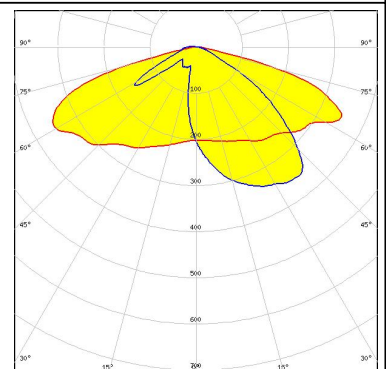
LED NVSxx19B/NVSxx19C  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.710 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NWSx229A  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.590 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Duris S8  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

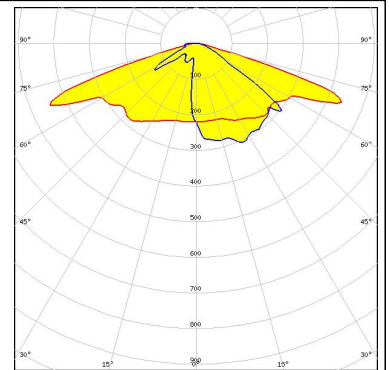


#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

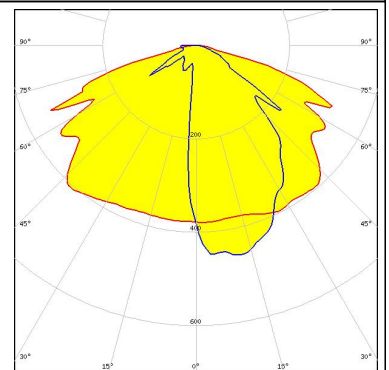
LED OSLON Square PC  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.690 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OSRAM

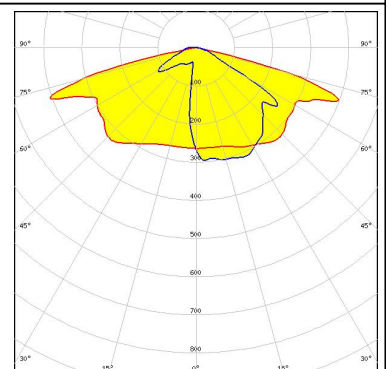
Opto Semiconductors

LED OSLON SSL 80  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.580 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



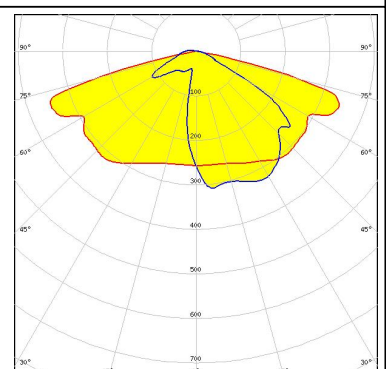
#### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.610 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

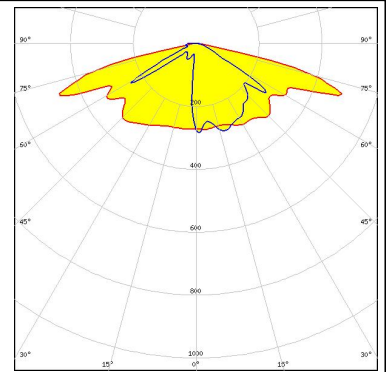
LED HiLOM RH16 (LH351C)  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.530 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

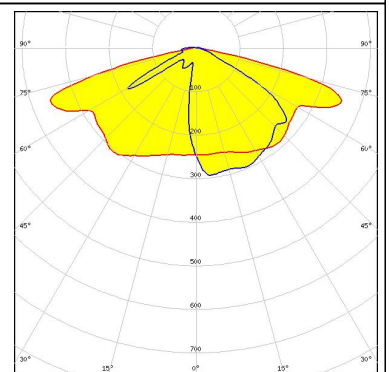
#### SAMSUNG

LED LH351A  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.750 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



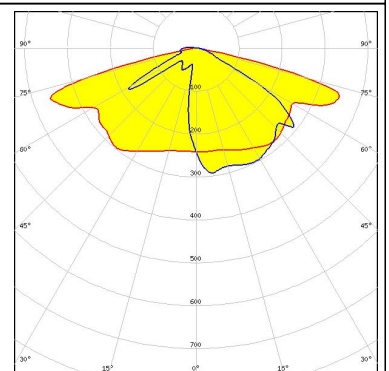
#### SAMSUNG

LED LH351B  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.560 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



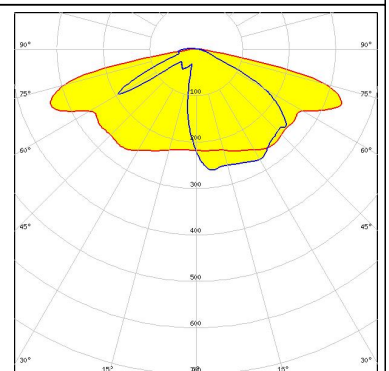
#### SAMSUNG

LED LH351C  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

LED LH351D  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.520 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

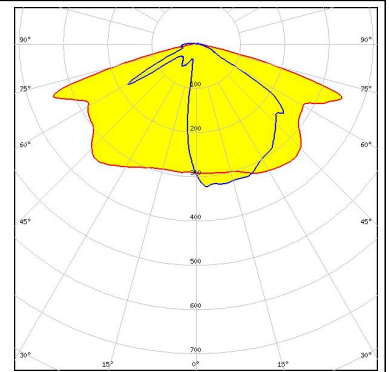




#### PHOTOMETRIC DATA (MEASURED):

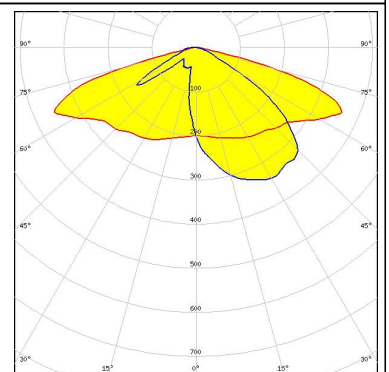
#### SAMSUNG

LED LH351Z  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.590 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



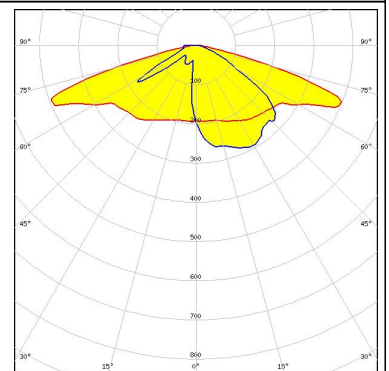
#### SAMSUNG

LED LH508A  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.550 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



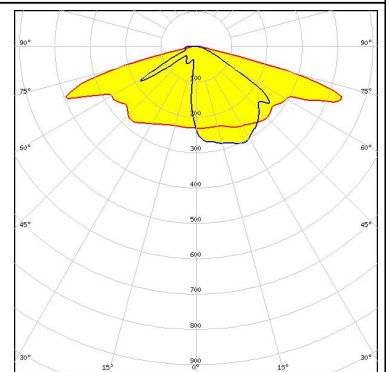
SEOUL SEMICONDUCTOR

LED Acrich MJT 4040  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.650 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


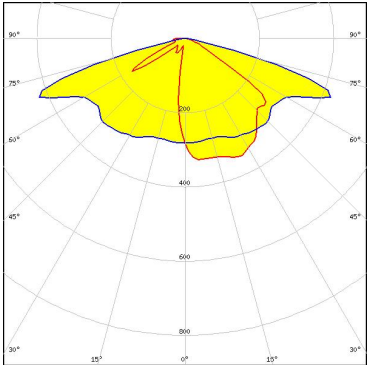

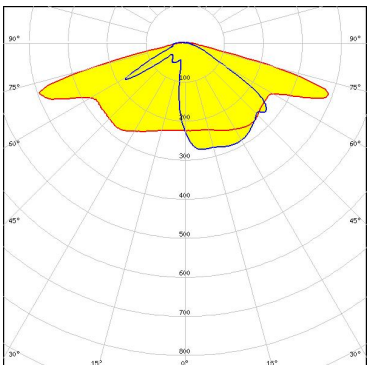

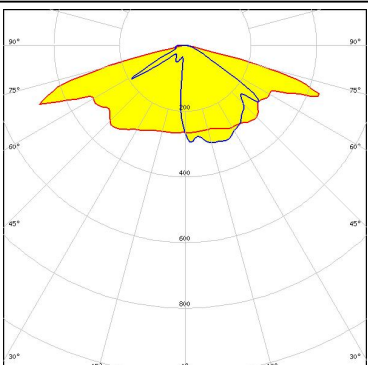


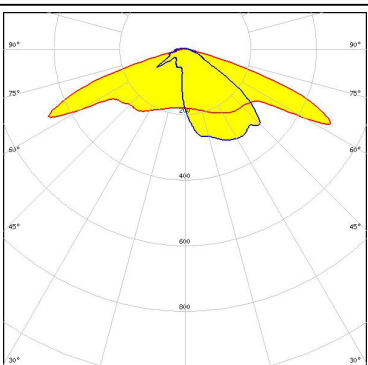


SEOUL SEMICONDUCTOR


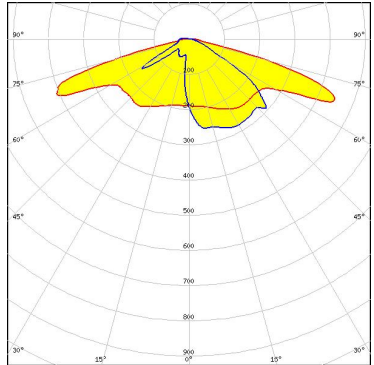
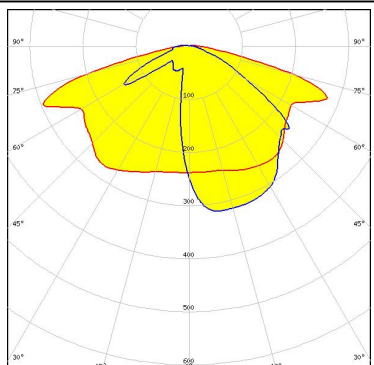
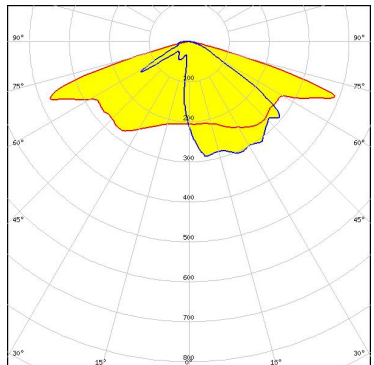
LED Z5M  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

<p> SEUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2            FWHM Asymmetric            Efficiency 94 %            Peak intensity 0.700 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p> SEUL SEMICONDUCTOR</p> <p>LED Z5M3            FWHM Asymmetric            Efficiency 94 %            Peak intensity 0.640 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p> SEUL SEMICONDUCTOR</p> <p>LED Z5P            FWHM Asymmetric            Efficiency 94 %            Peak intensity 0.720 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p> SEUL SEMICONDUCTOR</p> <p>LED Z8Y22            FWHM Asymmetric            Efficiency 94 %            Peak intensity 0.850 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

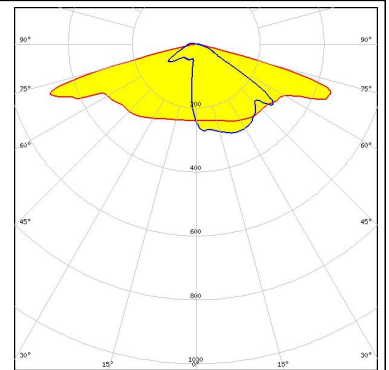
#### PHOTOMETRIC DATA (MEASURED):

<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z8Y22P FWHM Asymmetric Efficiency 94 % Peak intensity 0.720 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p><b>TOSHIBA</b> Leading Innovation &gt;&gt;&gt;</p> <p>LED TL1L3 FWHM Asymmetric Efficiency 94 % Peak intensity 0.480 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p><b>TOSHIBA</b> Leading Innovation &gt;&gt;&gt;</p> <p>LED TL1L4 FWHM Asymmetric Efficiency 91 % Peak intensity 0.640 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p><b>TRIDONIC</b></p> <p>LED RLE 2x4 2000lm HP EXC2 OTD FWHM Asymmetric Efficiency 94 % Peak intensity 0.800 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

#### PHOTOMETRIC DATA (MEASURED):

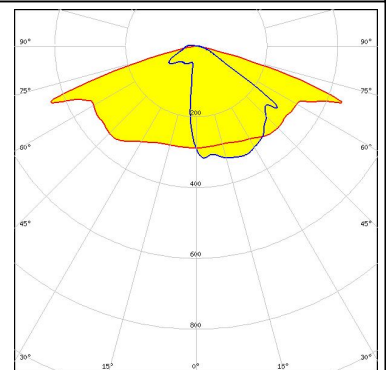
#### TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



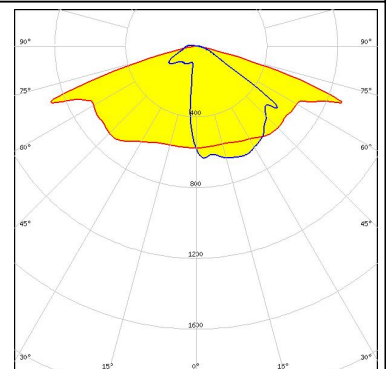
#### TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.660 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



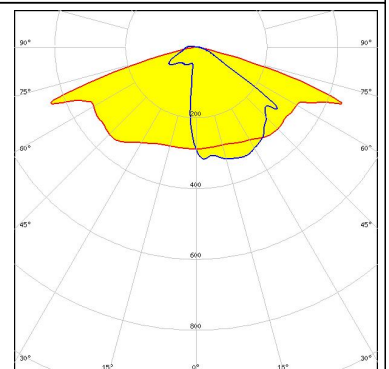
#### TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.660 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### TRIDONIC

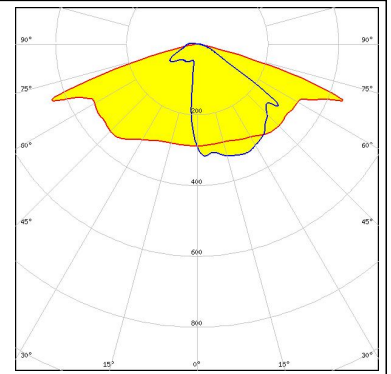
LED RLE G1 49x223mm 4000lm xxx EXC OTD  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.660 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

#### TRIDONIC

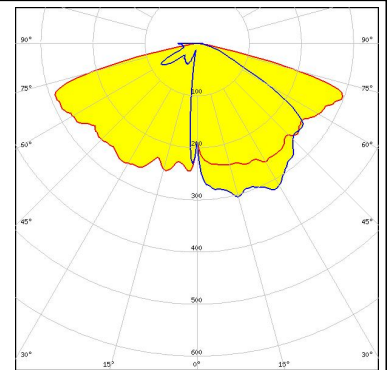
LED RLE G1 49x245mm 4000lm xxx EXC OTD  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.660 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):



LED XB-H  
FWHM Asymmetric  
Efficiency 91 %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



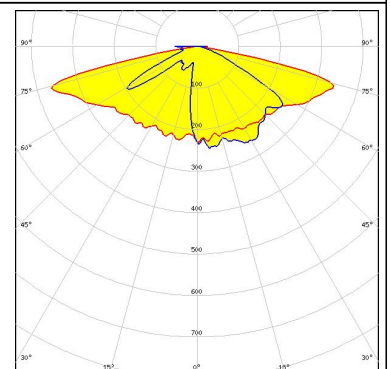
LED XHP35 HD  
FWHM Asymmetric  
Efficiency 90 %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XHP35 HI  
FWHM Asymmetric  
Efficiency 92 %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G3  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity 0.560 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

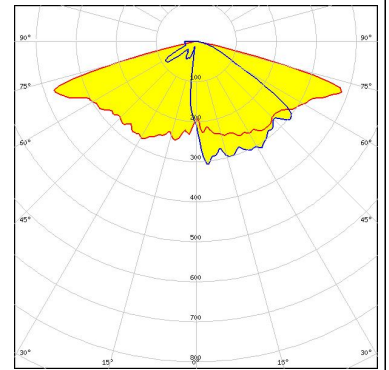




#### PHOTOMETRIC DATA (SIMULATED):

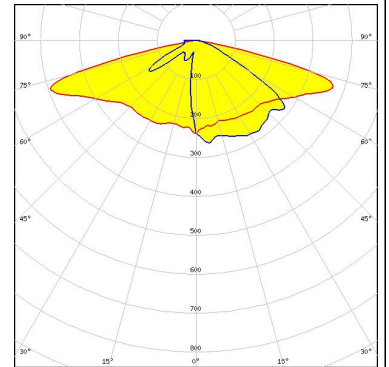
#### LUMILEDS

LED LUXEON H50-2  
 FWHM Asymmetric  
 Efficiency %  
 Peak intensity cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



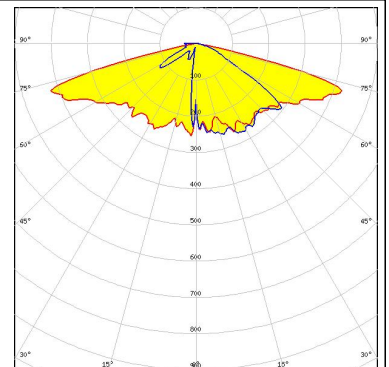
#### LUMILEDS

LED LUXEON V2  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



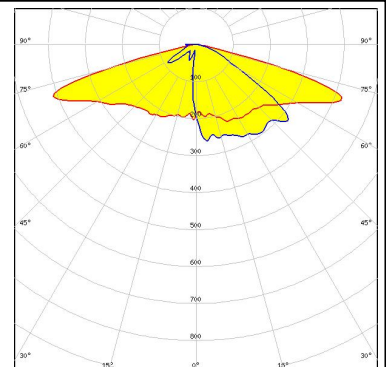
#### OSRAM

LED PrevaLED Brick HP 2x8  
 FWHM Asymmetric  
 Efficiency 91 %  
 Peak intensity 0.650 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors  
 LED OSCONIQ P 3737 (2W version)  
 FWHM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.680 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

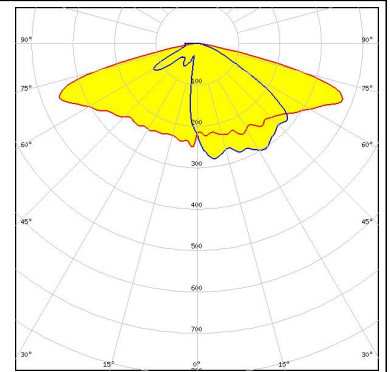


#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

Opto Semiconductors

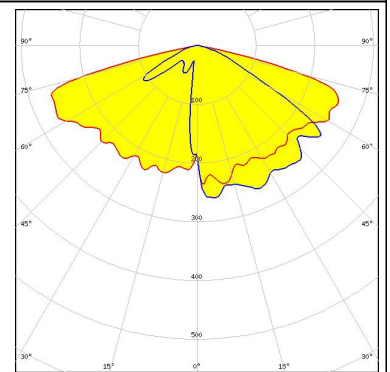
LED OSCONIQ P 3737 (3W version)  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.590 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

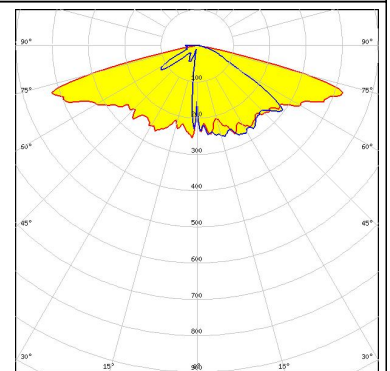
LED OSLON Square CSSRM2/CSSRM3  
 FWHM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.460 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Undefined Manufacturer: Protective Plate, Glass



#### OSRAM

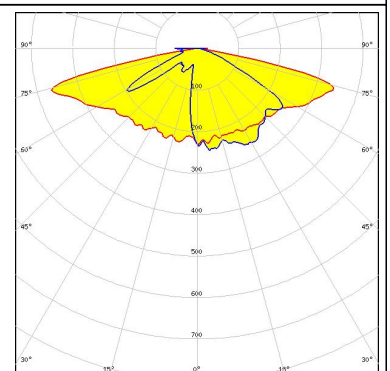
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM Asymmetric  
 Efficiency 91 %  
 Peak intensity 0.650 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

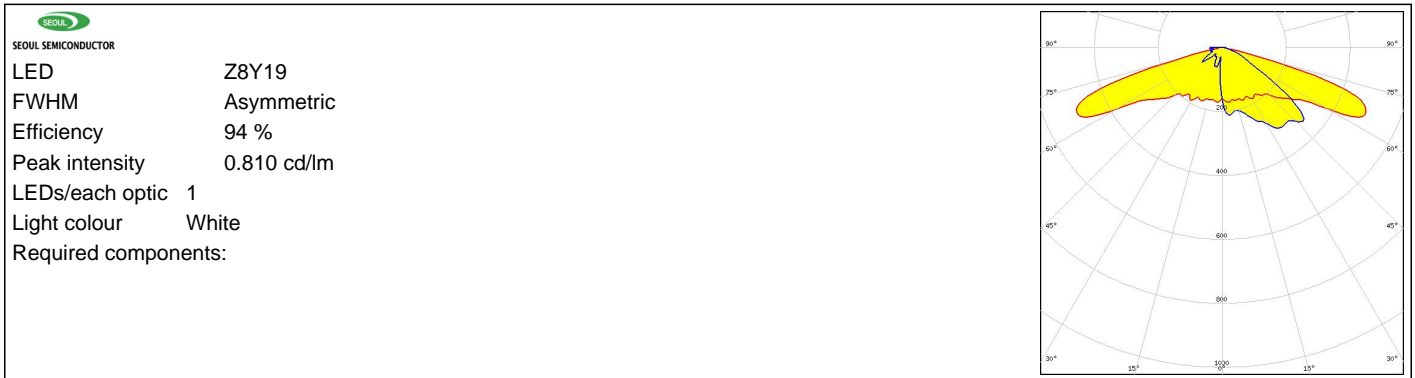


#### PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4  
 FWHM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):



### 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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