


## STRADA-2X2-T2

IESNA Type II (medium) beam applicable for European P-class standard pedestrian lighting and M-class roads

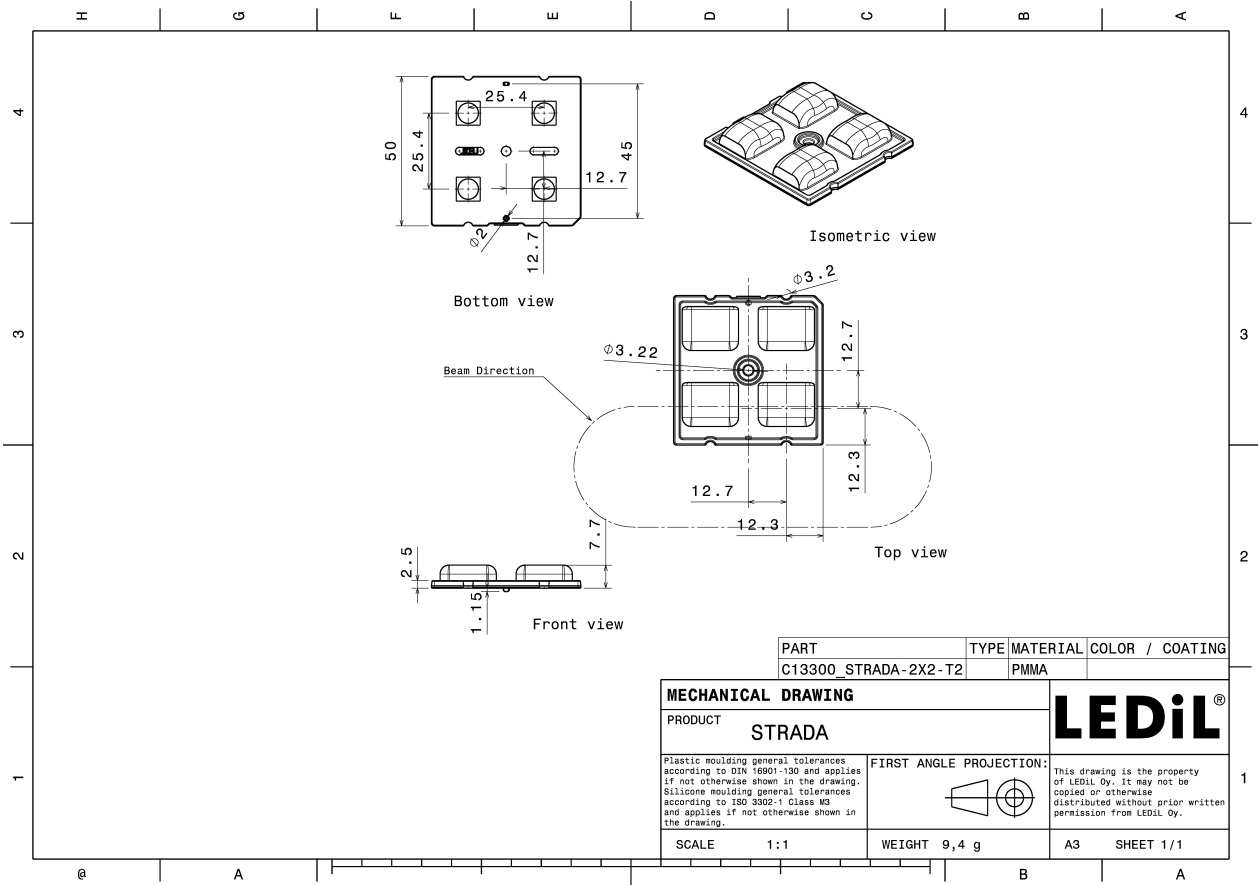
### TECHNICAL SPECIFICATIONS:

Dimensions	50.0 mm
Height	7.7 mm
Fastening	glue, pin, screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	8.3 kg
Quantity in Box	800 pcs
ROHS compliant	yes 



### MATERIAL SPECIFICATIONS:

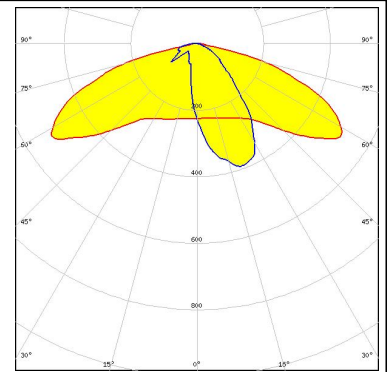
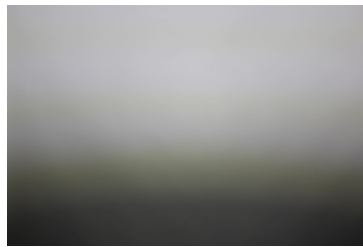
Component	Type	Material	Colour
STRADA-2X2-T2	Lens array	PMMA	clear



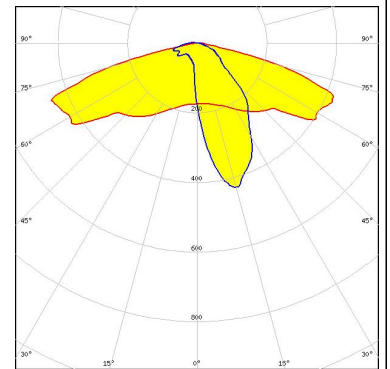
#### PHOTOMETRIC DATA (MEASURED):



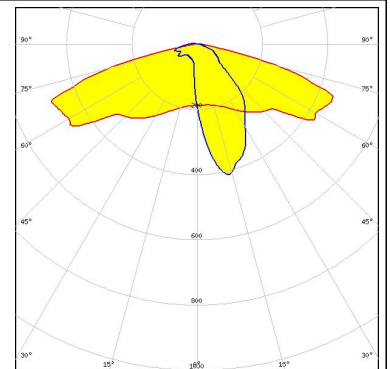
LED SMD 5050  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.700 cd/lm  
 Required components:



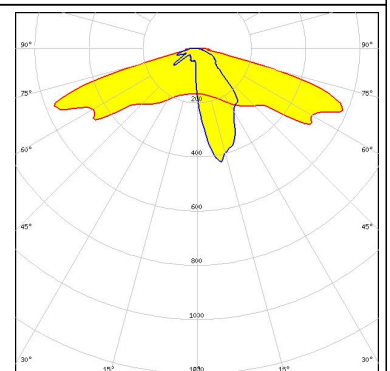
LED QUICK FLUX XTP 2x4 xxx LS G5  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.000 cd/lm  
 Required components:



LED QUICK FLUX XTP 2x6 xxx LS G5  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.000 cd/lm  
 Required components:



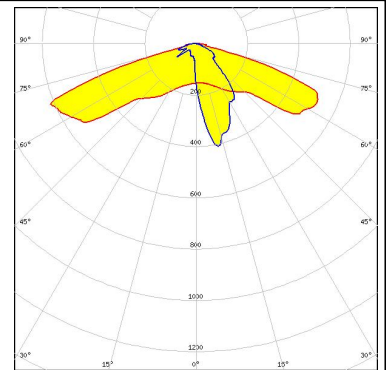
LED XB-D  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.100 cd/lm  
 Required components:



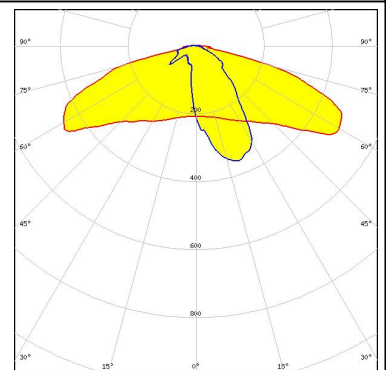
#### PHOTOMETRIC DATA (MEASURED):



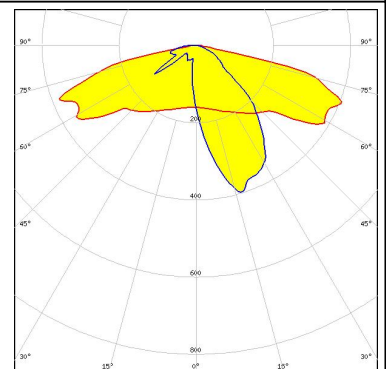
LED XD16  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.300 cd/lm  
Required components:



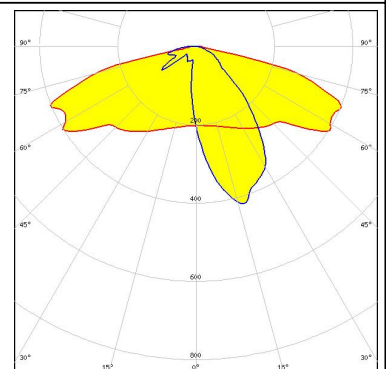
LED XD16 2x2 cluster  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.740 cd/lm  
Required components:



LED XM-L  
FWHM Asymmetric  
Efficiency 95 %  
Peak intensity 0.800 cd/lm  
Required components:



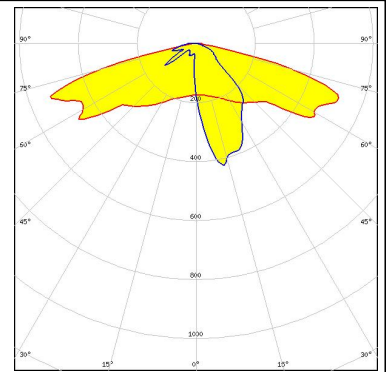
LED XM-L2  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.700 cd/lm  
Required components:



### PHOTOMETRIC DATA (MEASURED):

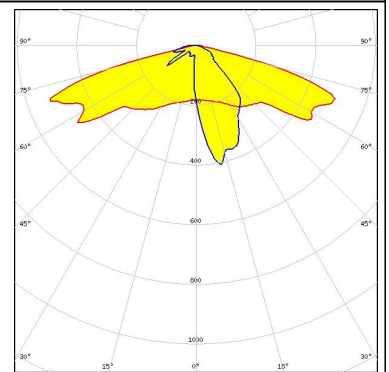
**CREE** ⇄

LED XP-G  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.100 cd/lm  
Required components:



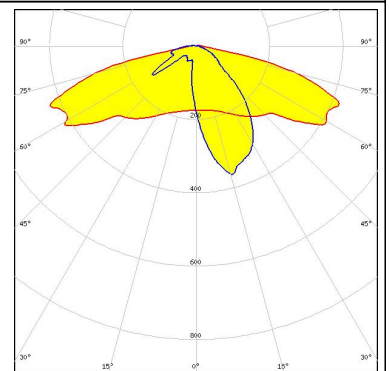
**CREE** ⇄

LED XP-G2  
FWHM Asymmetric  
Efficiency 91 %  
Peak intensity 1.000 cd/lm  
Required components:



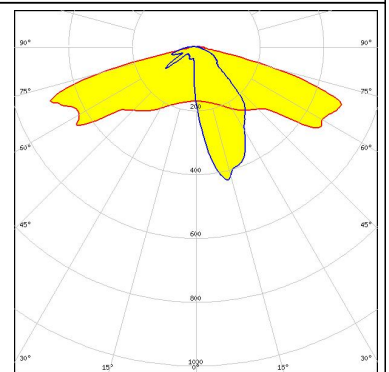
**CREE** ⇄

LED XP-L  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.830 cd/lm  
Required components:



**CREE** ⇄

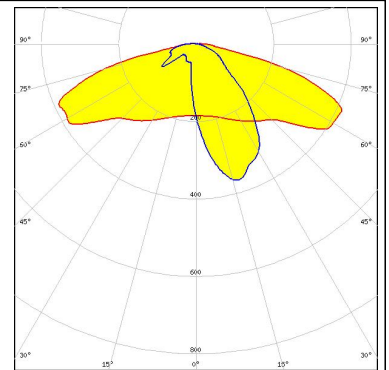
LED XP-L HI  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.100 cd/lm  
Required components:



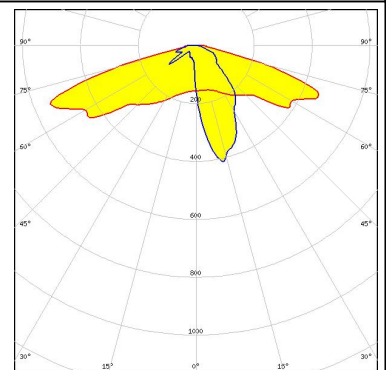
#### PHOTOMETRIC DATA (MEASURED):



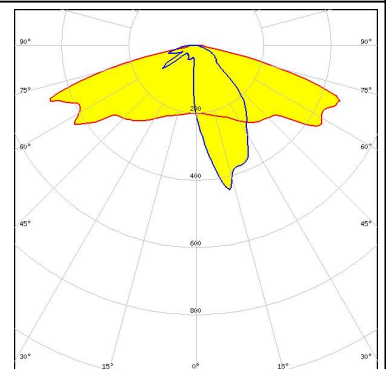
LED XP-L2  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.760 cd/lm  
Required components:



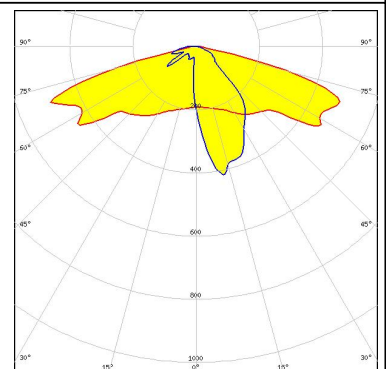
LED XT-E  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity cd/lm  
Required components:



LED H35C0 (LEMWA33)  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.000 cd/lm  
Required components:



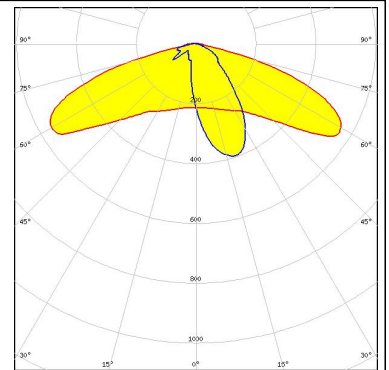
LED H35C1 (LEMWA33)  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.000 cd/lm  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

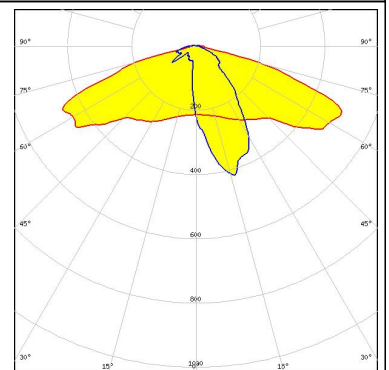
##### LUMILEDS

LED LUXEON 5050  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.770 cd/lm  
 Required components:



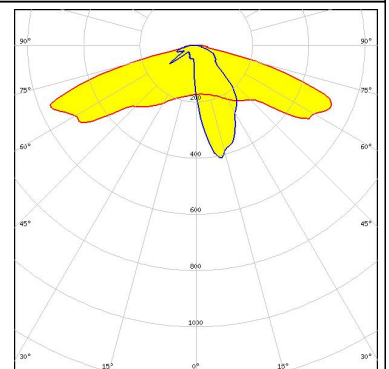
##### LUMILEDS

LED LUXEON MZ  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.000 cd/lm  
 Required components:



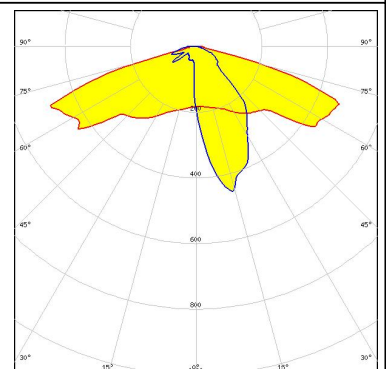
##### LUMILEDS

LED LUXEON Q  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.100 cd/lm  
 Required components:



##### LUMILEDS

LED LUXEON R  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.000 cd/lm  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

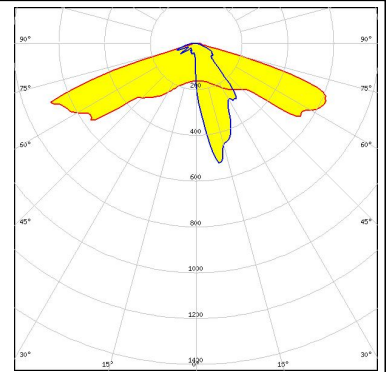
<p><b>LUMILEDS</b></p> <p>LED            LUXEON Rebel ES</p> <p>FWHM        Asymmetric</p> <p>Efficiency    94 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED            LUXEON T</p> <p>FWHM        Asymmetric</p> <p>Efficiency    94 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED            LUXEON TX</p> <p>FWHM        Asymmetric</p> <p>Efficiency    94 %</p> <p>Peak intensity 1.000 cd/lm</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED            LUXEON V</p> <p>FWHM        Asymmetric</p> <p>Efficiency    94 %</p> <p>Peak intensity 0.790 cd/lm</p> <p>Required components:</p>	



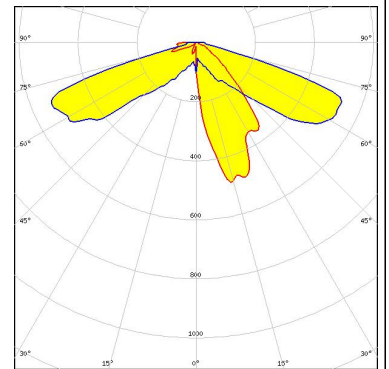
#### PHOTOMETRIC DATA (MEASURED):



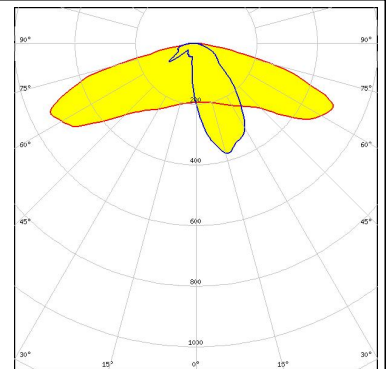
LED LUXEON Z ES  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.500 cd/lm  
Required components:



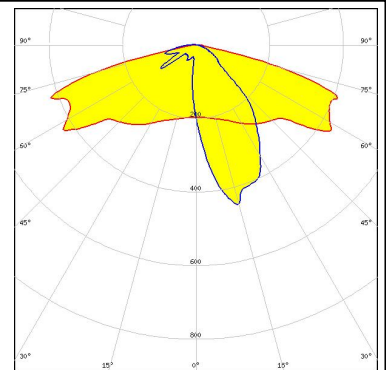
LED NCSxx19A  
FWHM Asymmetric  
Efficiency %  
Peak intensity cd/lm  
Required components:



LED NS9x383  
FWHM Asymmetric  
Efficiency 95 %  
Peak intensity 0.800 cd/lm  
Required components:



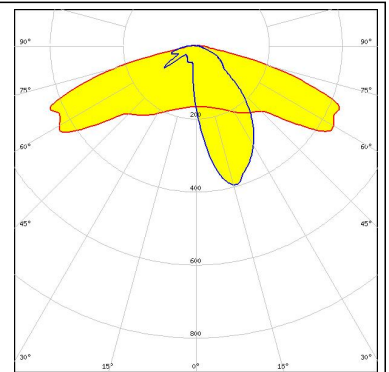
LED NVSW219D  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.920 cd/lm  
Required components:



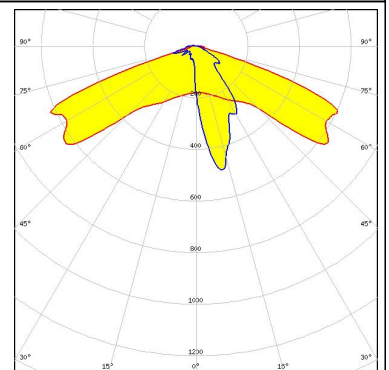
#### PHOTOMETRIC DATA (MEASURED):



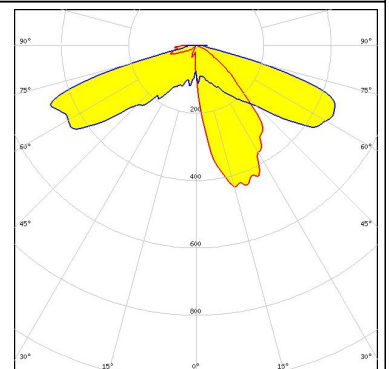
LED NVSW3x9A  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.960 cd/lm  
Required components:



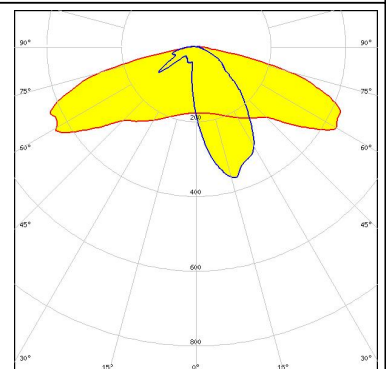
LED NVSxE21A  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.480 cd/lm  
Required components:



LED NVSxx19A  
FWHM Asymmetric  
Efficiency %  
Peak intensity cd/lm  
Required components:



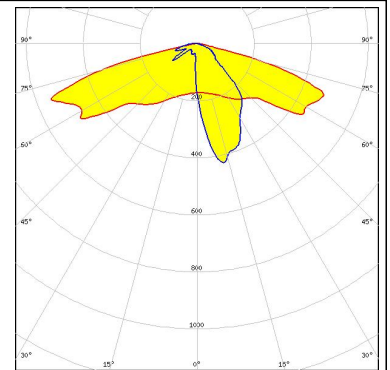
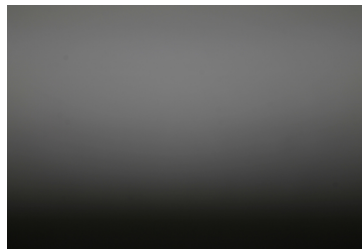
LED NWSx229A  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.820 cd/lm  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

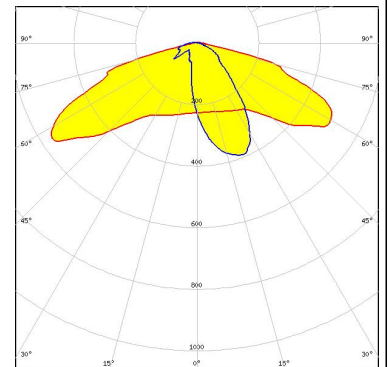
LED PrevaLED Brick DC 2x8  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.100 cd/lm  
 Required components:



#### OSRAM

Osram Semiconductors

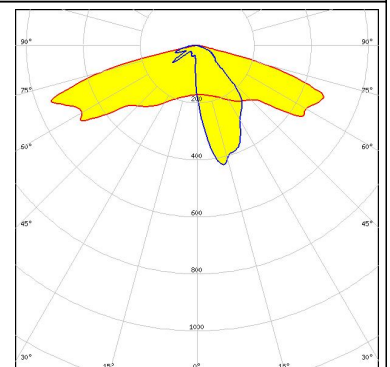
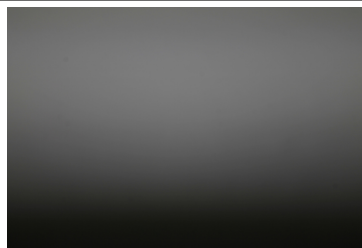
LED Duris S8  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.740 cd/lm  
 Required components:



#### OSRAM

Osram Semiconductors

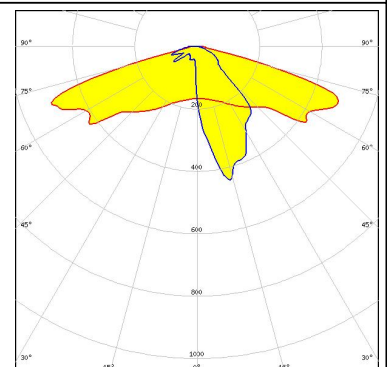
LED Oslon Square Gen3  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.100 cd/lm  
 Required components:



#### OSRAM

Osram Semiconductors

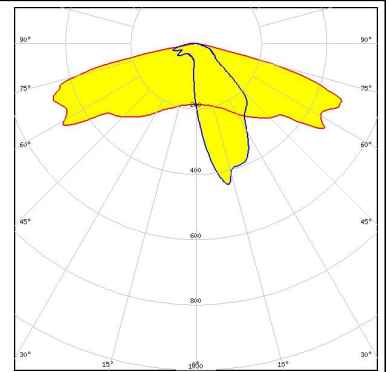
LED Oslon Square PC  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.000 cd/lm  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

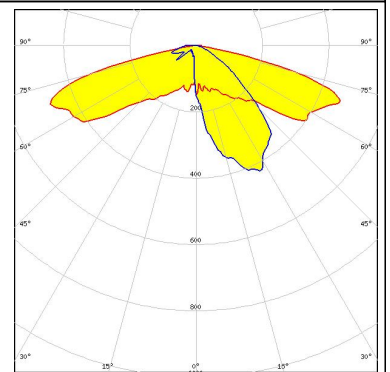
### PHILIPS

LED Fortimo FastFlex LED board 2x8 DA G4  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.100 cd/lm  
Required components:



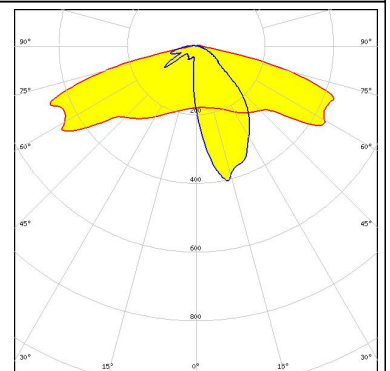
### PHILIPS

LED Fortimo FastFlex LED board 2x8 DAX G4  
FWHM Asymmetric  
Efficiency 0 %  
Peak intensity 0.000 cd/lm  
Required components:



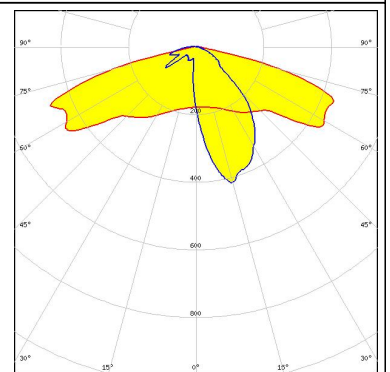
### SAMSUNG

LED LH351B  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.950 cd/lm  
Required components:



### SAMSUNG

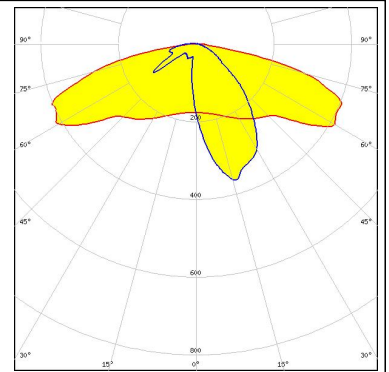
LED LH351C  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.960 cd/lm  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

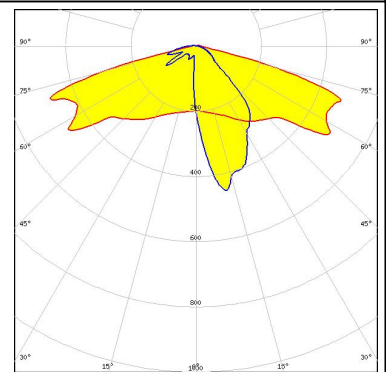
#### SAMSUNG

LED LH351D  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.780 cd/lm  
Required components:



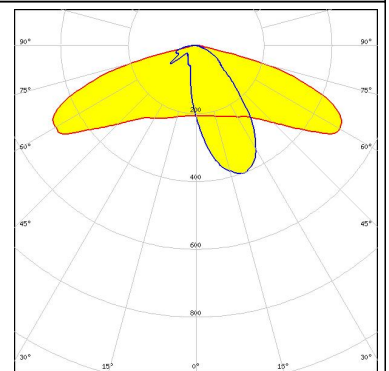
#### SAMSUNG

LED LH351Z  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.000 cd/lm  
Required components:



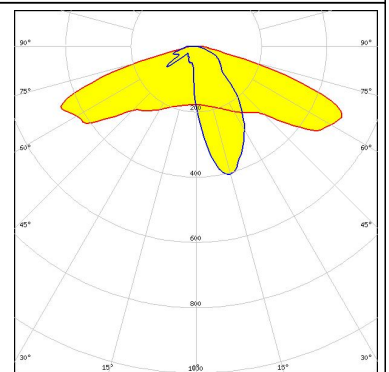
#### SAMSUNG

LED LH508A  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.750 cd/lm  
Required components:


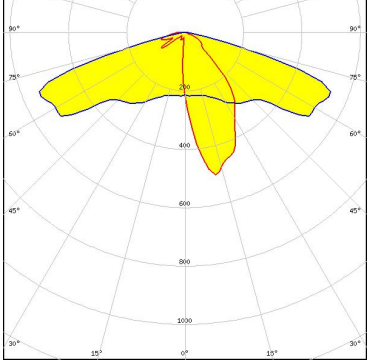

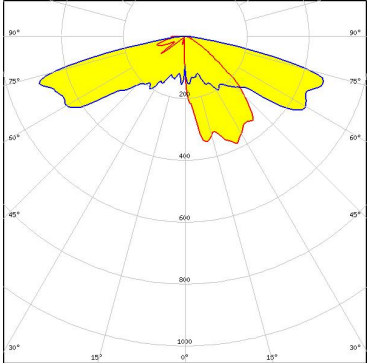

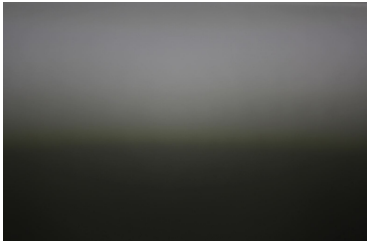
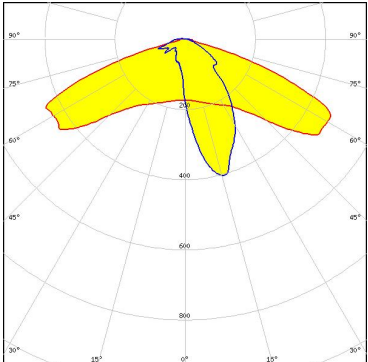

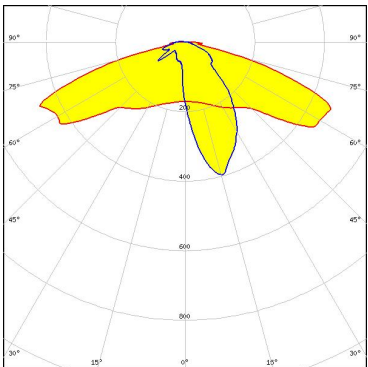


SEOUL SEMICONDUCTOR

LED Acrich MJT 4040  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.000 cd/lm  
Required components:



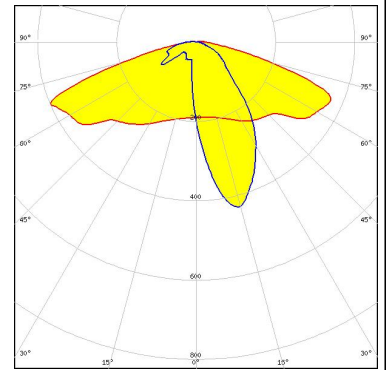
#### PHOTOMETRIC DATA (MEASURED):

<p> SEIOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2            FWHM Asymmetric            Efficiency 94 %            Peak intensity 1.100 cd/lm            Required components:</p>		
<p> SEIOUL SEMICONDUCTOR</p> <p>LED Z5P            FWHM Asymmetric            Efficiency %            Peak intensity cd/lm            Required components:</p>		
<p> SEIOUL SEMICONDUCTOR</p> <p>LED Z8Y22            FWHM Asymmetric            Efficiency 94 %            Peak intensity 1.100 cd/lm            Required components:</p>		
<p> SEIOUL SEMICONDUCTOR</p> <p>LED Z8Y22P            FWHM Asymmetric            Efficiency 94 %            Peak intensity 0.960 cd/lm            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

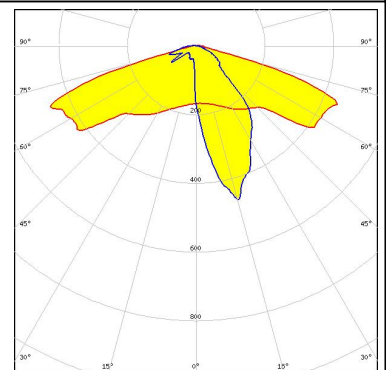
##### **TOSHIBA** Leading Innovation >>>

LED TL1L3  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.790 cd/lm  
Required components:



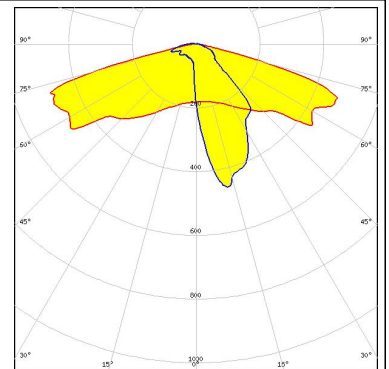
##### **TOSHIBA** Leading Innovation >>>

LED TL1L4  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity 1.000 cd/lm  
Required components:



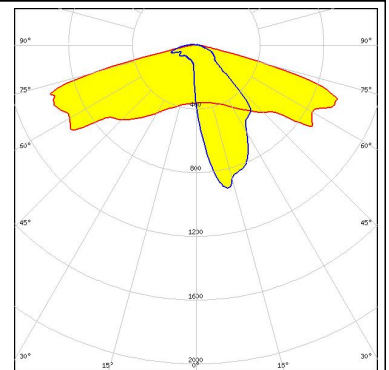
##### **TRIDONIC**

LED RLE G1 49x121mm 2000lm xxx EXC OTD  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.100 cd/lm  
Required components:



##### **TRIDONIC**

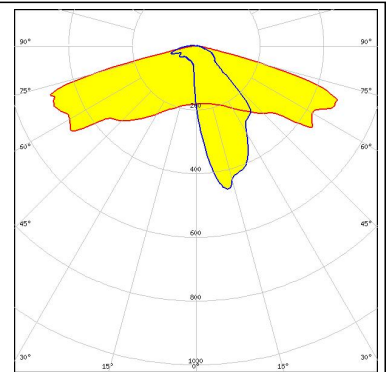
LED RLE G1 49x133mm 2000lm xxx EXC OTD  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.100 cd/lm  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

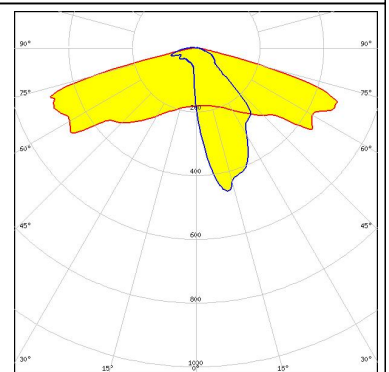
#### TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.100 cd/lm  
Required components:



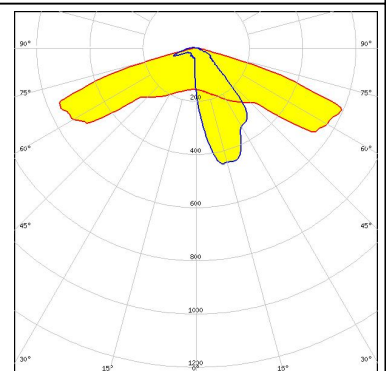
#### TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.100 cd/lm  
Required components:



#### TRIDONIC

LED RLE G2 HP 2x8 4000lm  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 1.300 cd/lm  
Required components:

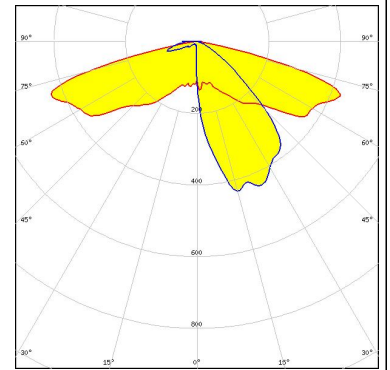




#### PHOTOMETRIC DATA (SIMULATED):



LED XB-H  
FWHM Asymmetric  
Efficiency 91 %  
Peak intensity cd/lm  
Required components:



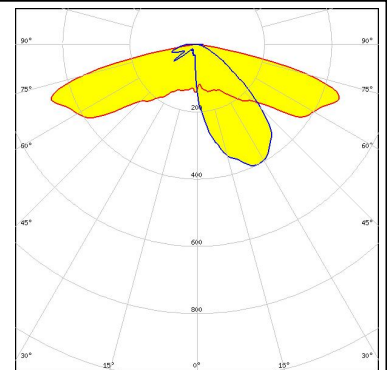
LED XHP35 HD  
FWHM Asymmetric  
Efficiency 90 %  
Peak intensity cd/lm  
Required components:



LED XHP35 HI  
FWHM Asymmetric  
Efficiency 92 %  
Peak intensity cd/lm  
Required components:



LED XP-G3  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity 0.700 cd/lm  
Required components:



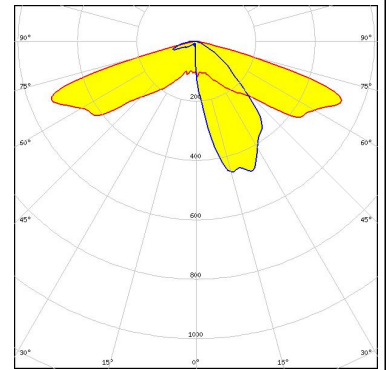
#### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED: LUXEON 5050            FWHM: Asymmetric            Efficiency: 86 %            Peak intensity: 0.620 cd/lm            Required components:            Undefined Manufacturer: Protective Plate, Glass</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON H50-2            FWHM: Asymmetric            Efficiency: %            Peak intensity: cd/lm            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxx19B/NVSxx19C            FWHM: Asymmetric            Efficiency: 93 %            Peak intensity: 0.893 cd/lm            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: Duris S8            FWHM: Asymmetric            Efficiency: 86 %            Peak intensity: 0.650 cd/lm            Required components:            Undefined Manufacturer: Protective Plate, Glass</p>	

#### PHOTOMETRIC DATA (SIMULATED):

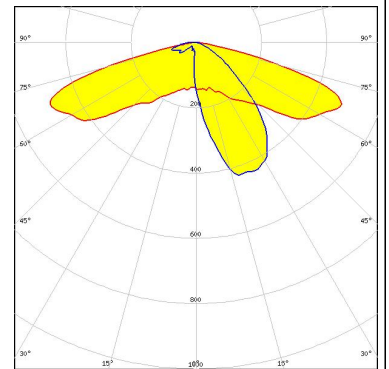
**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)  
FWHM Asymmetric  
Efficiency 92 %  
Peak intensity 0.910 cd/lm  
Required components:



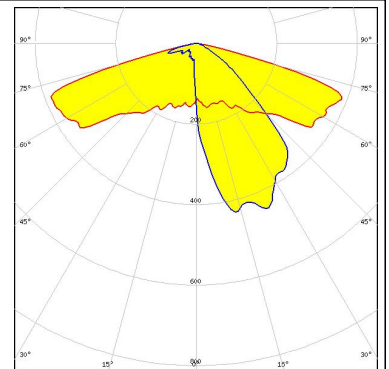
**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.730 cd/lm  
Required components:



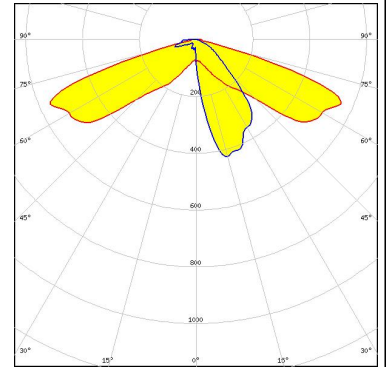
**OSRAM**  
Opto Semiconductors

LED Oslon Square PC  
FWHM Asymmetric  
Efficiency 87 %  
Peak intensity 0.700 cd/lm  
Required components:  
Undefined Manufacturer: Protective Plate, Glass



**SEOL**  
SEOUL SEMICONDUCTOR

LED Z8Y19  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity 0.900 cd/lm  
Required components:



#### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

#### MATERIALS:

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