


## STRADA-2X2-CY

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

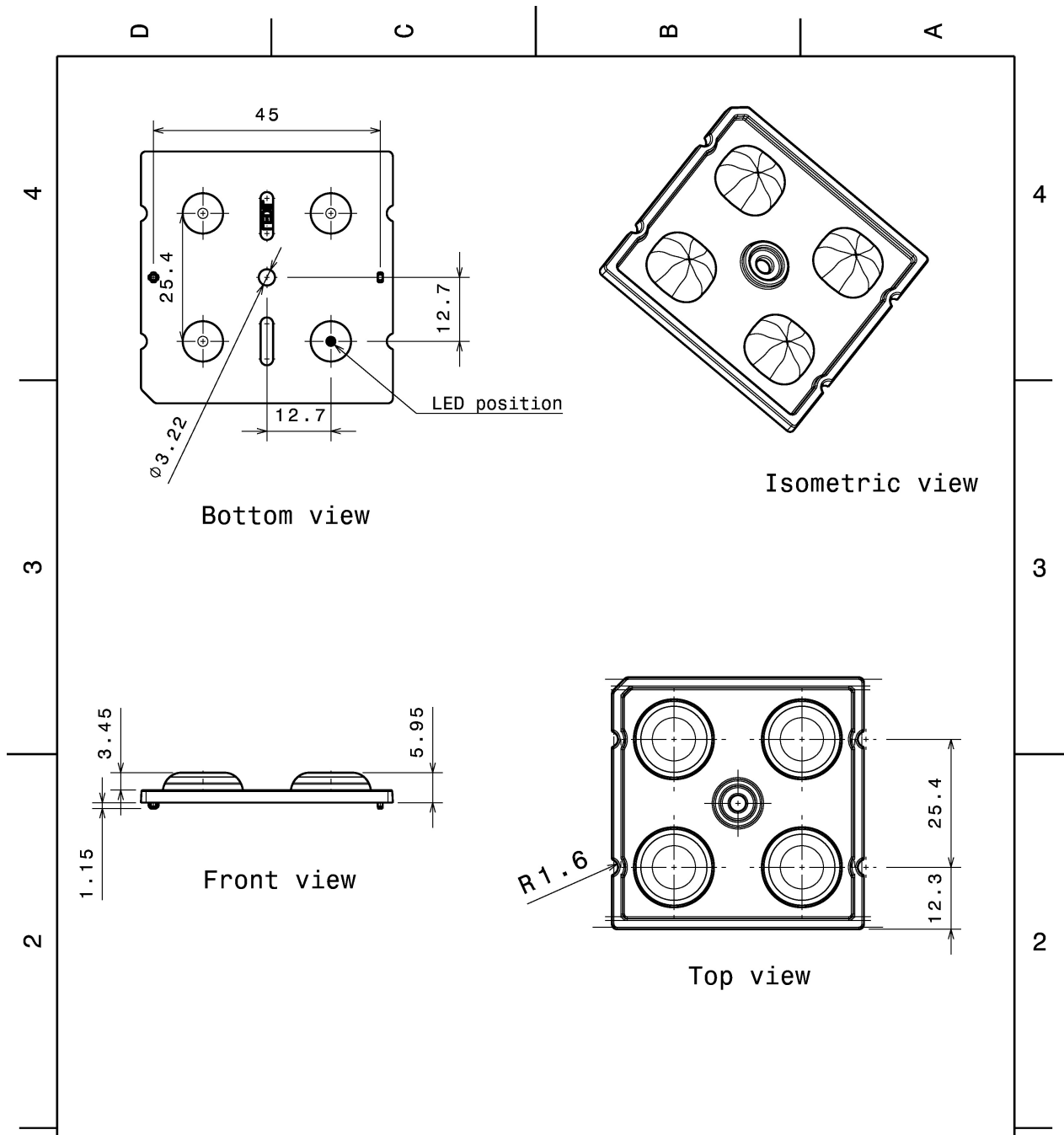
### TECHNICAL SPECIFICATIONS:

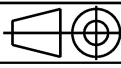
Dimensions	50.0 mm
Height	6 mm
Fastening	screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	6.2 kg
Quantity in Box	800 pcs
ROHS compliant	yes 





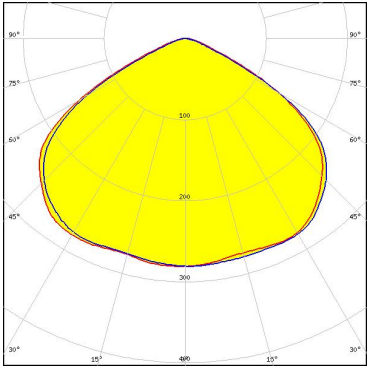


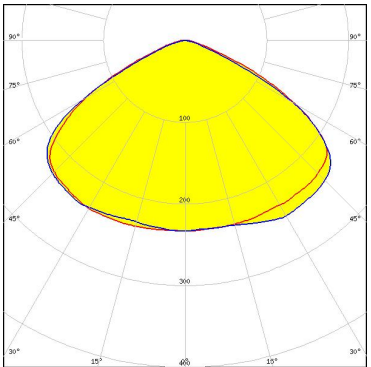


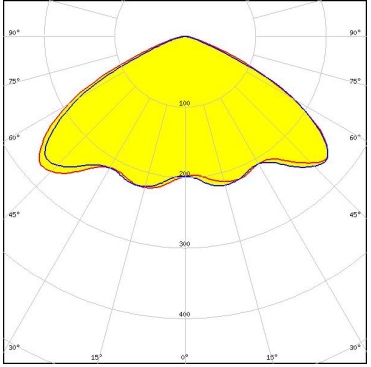

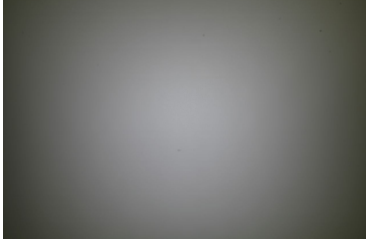
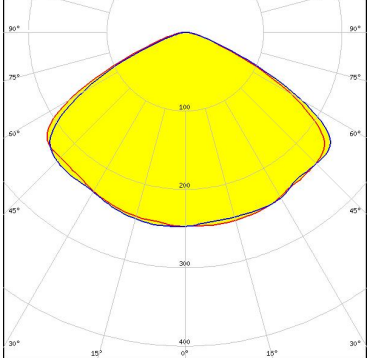
### MATERIAL SPECIFICATIONS:

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



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		<b>LEDiL</b> Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
THIRD ANGLE PROJECTION: 		<b>DRAWING TITLE</b> <b>C13499_STRADA-2X2-CY</b>	
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.		<b>SIZE</b> <b>A4</b>	<b>PART NUMBER</b> -
<b>SCALE</b> 1:1		<b>WEIGHT</b> -	<b>SHEET</b> 1/1

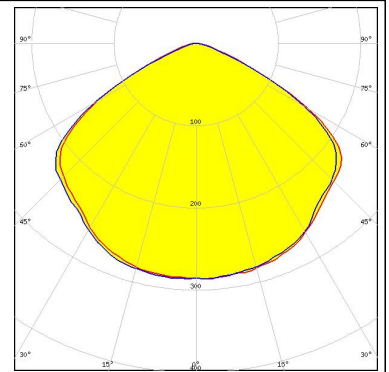
#### PHOTOMETRIC DATA (MEASURED):

<p> <b>bridgelux</b></p> <p>LED                    Bridgelux SMD 5050            FWHM                120.0 + 119.0°            Efficiency            94 %            Peak intensity      0.320 cd/lm            LEDs/each optic    1            Light colour        White            Required components:</p>		
<p> <b>CREE</b></p> <p>LED                    XD16            FWHM                125.0 + 124.0°            Efficiency            94 %            Peak intensity      0.340 cd/lm            LEDs/each optic    4            Light colour        White            Required components:</p>		
<p> <b>CREE</b></p> <p>LED                    XD16            FWHM                132.0 + 130.0°            Efficiency            94 %            Peak intensity      0.360 cd/lm            LEDs/each optic    1            Light colour        White            Required components:</p>		
<p> <b>CREE</b></p> <p>LED                    XM-L            FWHM                126.0°            Efficiency            94 %            Peak intensity      0.320 cd/lm            LEDs/each optic    1            Light colour        White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

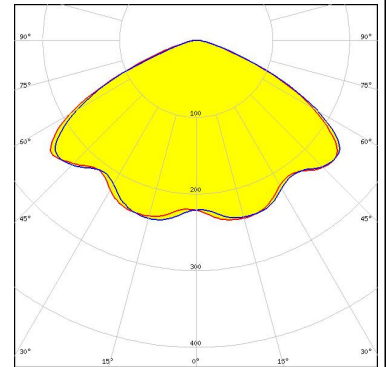
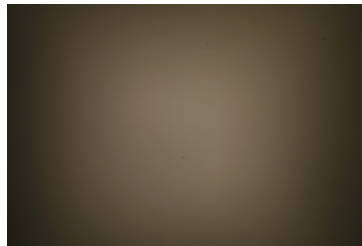
#### CREE

LED XM-L2  
 FWHM 121.0°  
 Efficiency 94 %  
 Peak intensity 0.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



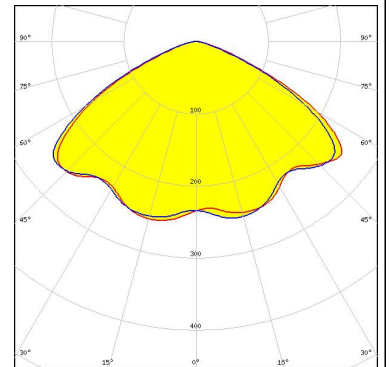
#### CREE

LED XP-G  
 FWHM 131.0°  
 Efficiency 94 %  
 Peak intensity 0.320 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



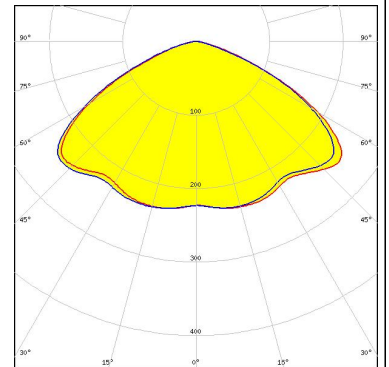
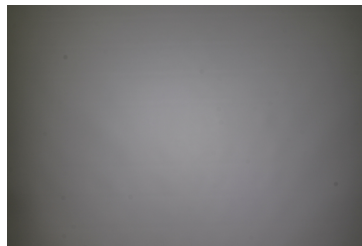
#### CREE

LED XP-G2  
 FWHM 129.0°  
 Efficiency 94 %  
 Peak intensity 0.340 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE

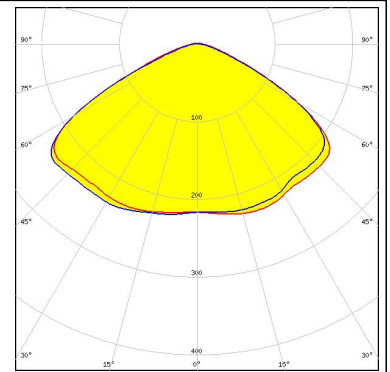
LED XP-G3  
 FWHM 131.0 + 132.0°  
 Efficiency 94 %  
 Peak intensity 0.330 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

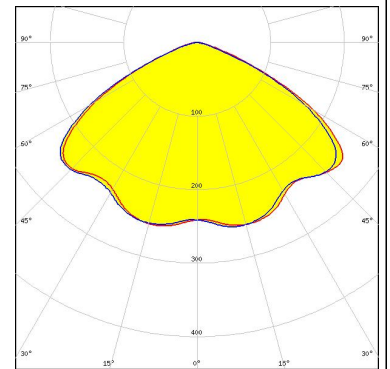
#### CREE

LED XP-L HD  
 FWHM 131.0°  
 Efficiency 94 %  
 Peak intensity 0.320 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



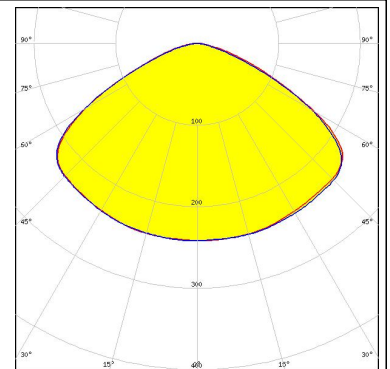
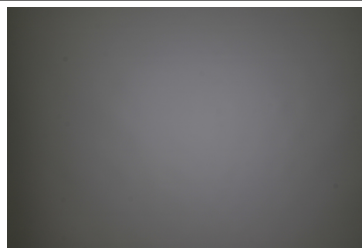
#### CREE

LED XP-L HI  
 FWHM 127.0°  
 Efficiency 94 %  
 Peak intensity 0.330 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



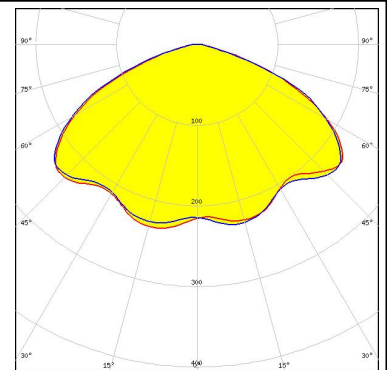
#### CREE

LED XP-L2  
 FWHM 127.0°  
 Efficiency 94 %  
 Peak intensity 0.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


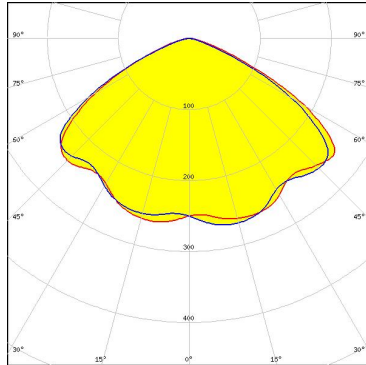

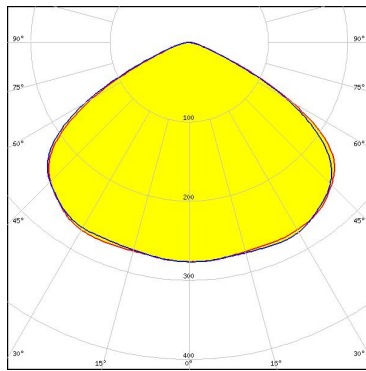

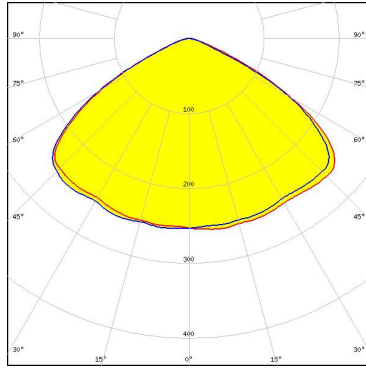
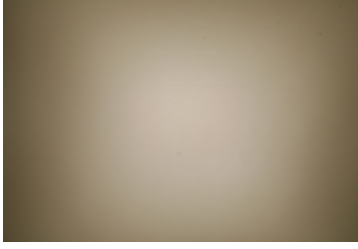
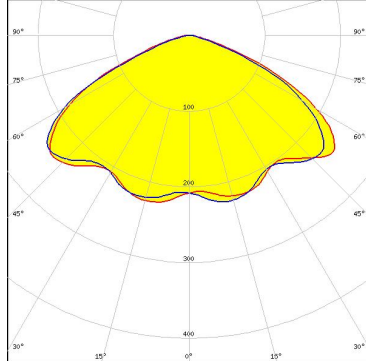


#### CREE

LED XT-E  
 FWHM 136.0°  
 Efficiency 94 %  
 Peak intensity 0.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



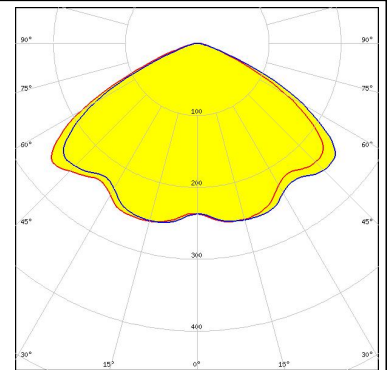
#### PHOTOMETRIC DATA (MEASURED):

<p><b>LG Innotek</b></p> <p>LED H35C1 (LEMWA33)            FWHM 126.0°            Efficiency 94 %            Peak intensity 0.340 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Round LES            FWHM 121.0°            Efficiency 94 %            Peak intensity 0.320 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON MZ            FWHM 123.0°            Efficiency 94 %            Peak intensity 0.350 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON Q            FWHM 134.0°            Efficiency 94 %            Peak intensity 0.300 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

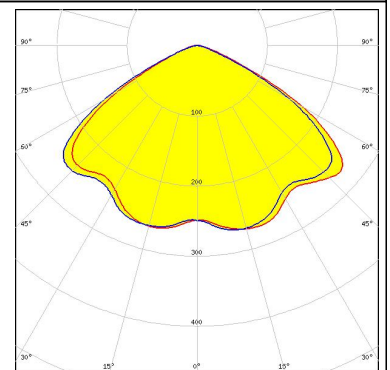
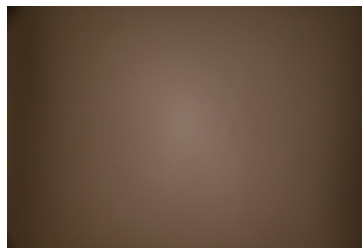
##### LUMILEDS

LED LUXEON T  
 FWHM 127.0°  
 Efficiency 94 %  
 Peak intensity 0.340 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



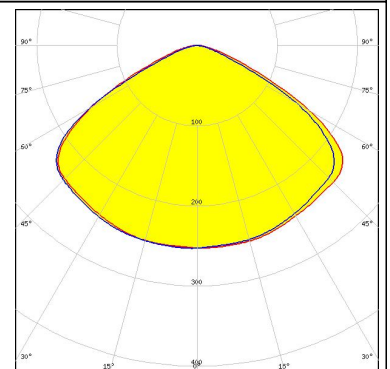
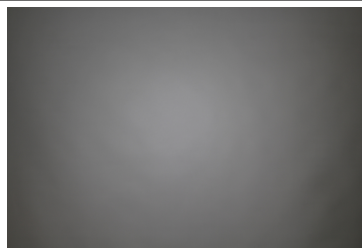
##### LUMILEDS

LED LUXEON TX  
 FWHM 123.0°  
 Efficiency 94 %  
 Peak intensity 0.330 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



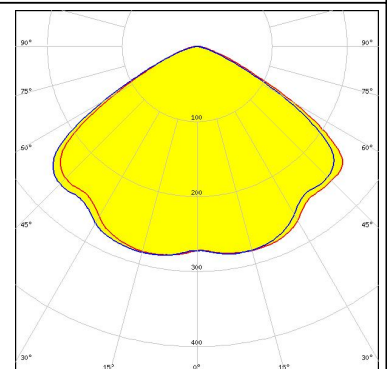
##### LUMILEDS

LED LUXEON V  
 FWHM 125.0 + 123.0°  
 Efficiency 94 %  
 Peak intensity 0.310 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### NICHIA

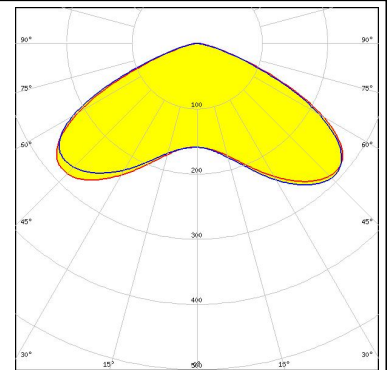
LED NVSW219D  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.340 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



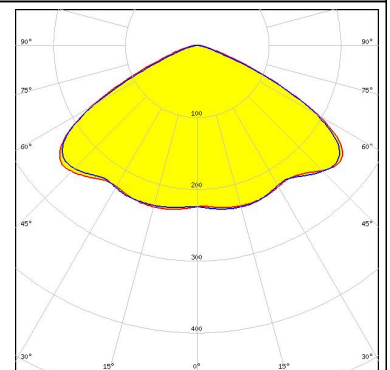
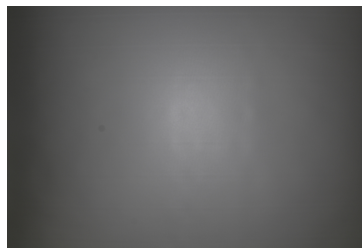
#### PHOTOMETRIC DATA (MEASURED):



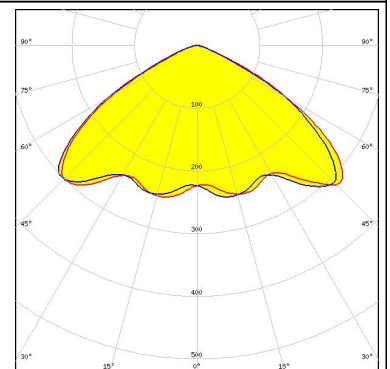
LED NVSW319B  
 FWHM 139.0°  
 Efficiency 94 %  
 Peak intensity 0.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



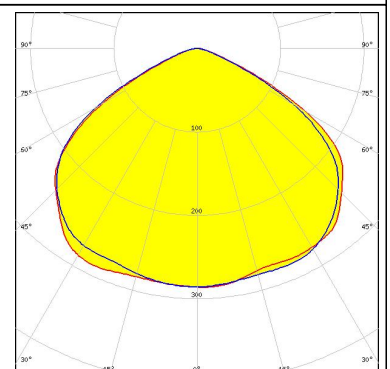
LED NVSW3x9A  
 FWHM 129.0 + 128.0°  
 Efficiency 94 %  
 Peak intensity 0.340 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxE21A  
 FWHM 125.0°  
 Efficiency 94 %  
 Peak intensity 0.390 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Duris S8  
 FWHM 119.0°  
 Efficiency 94 %  
 Peak intensity 0.320 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



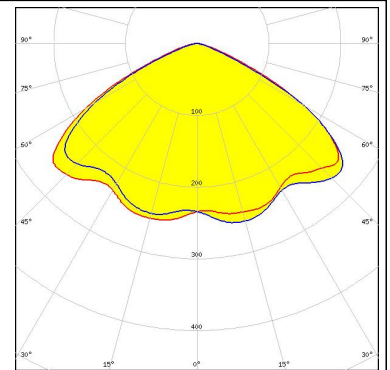


#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

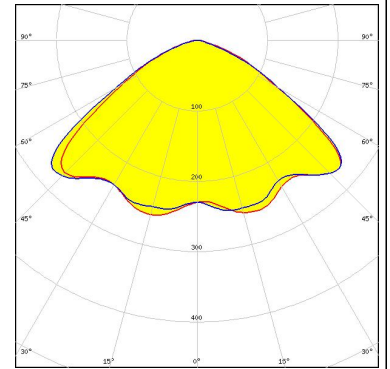
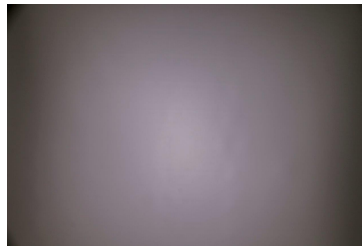
LED OSLON Square CSSRM2/CSSRM3  
 FWHM 128.0 + 127.0°  
 Efficiency 94 %  
 Peak intensity 0.360 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

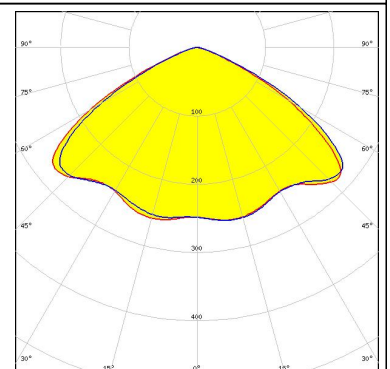
Opto Semiconductors

LED OSLON Square PC  
 FWHM 122.0°  
 Efficiency 94 %  
 Peak intensity 0.330 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



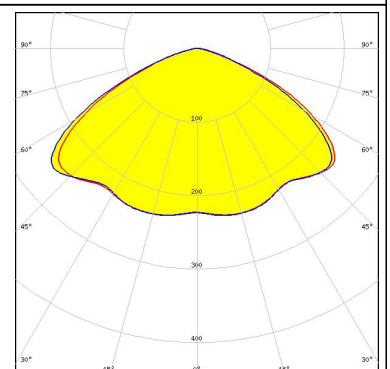
#### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4  
 FWHM 125.0°  
 Efficiency 94 %  
 Peak intensity 0.360 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHILIPS

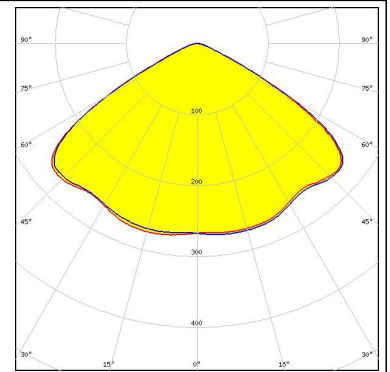
LED Fortimo FastFlex LED 2x8 DAX G4  
 FWHM 131.0°  
 Efficiency 94 %  
 Peak intensity 0.330 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

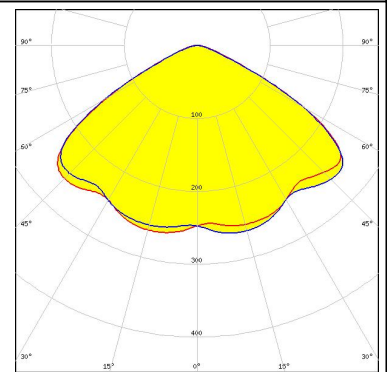
#### SAMSUNG

LED HiLOM RH16 (LH351C)  
 FWHM 121.0°  
 Efficiency 94 %  
 Peak intensity 0.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



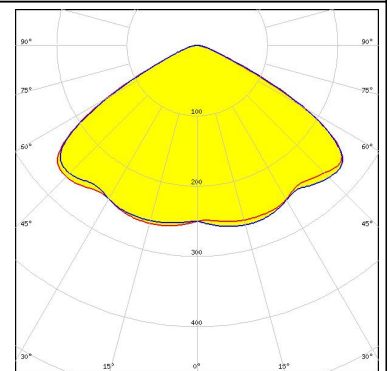
#### SAMSUNG

LED LH351B  
 FWHM 126.0°  
 Efficiency 94 %  
 Peak intensity 0.340 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



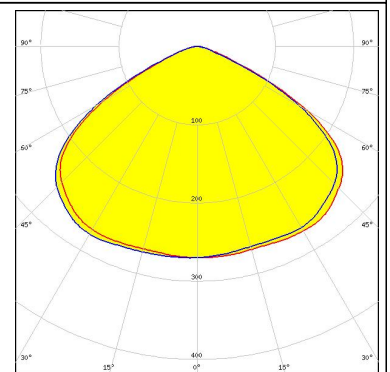
#### SAMSUNG

LED LH351C  
 FWHM 123.0°  
 Efficiency 94 %  
 Peak intensity 0.350 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

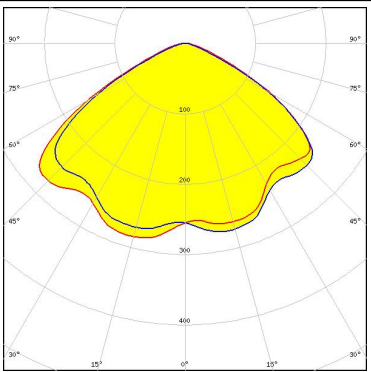
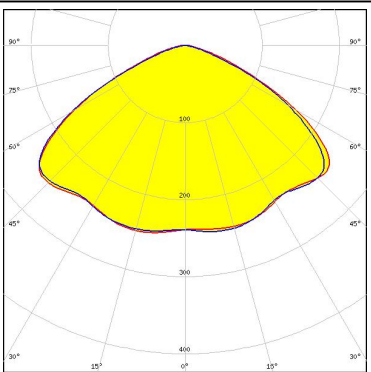
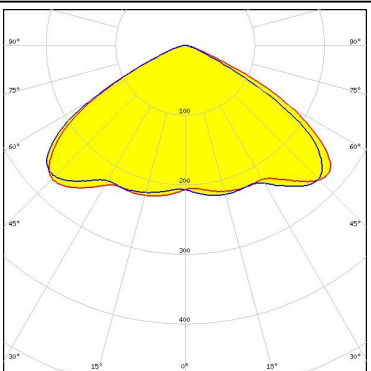
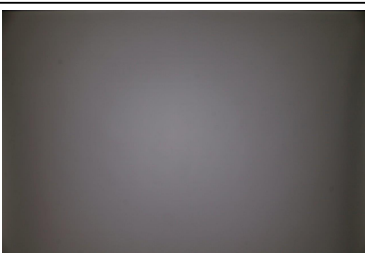
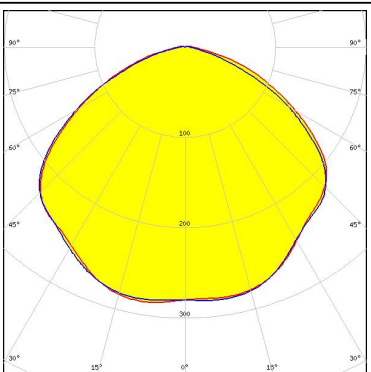


#### SAMSUNG

LED LH508A  
 FWHM 122.0°  
 Efficiency 94 %  
 Peak intensity 0.320 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

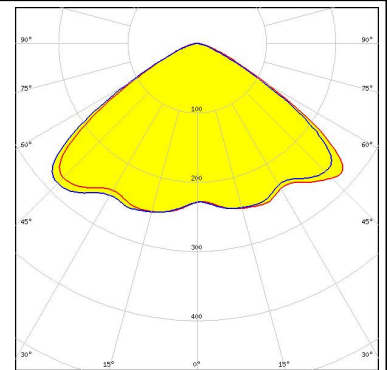
<p><b>SEOL</b> SEOL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2 FWHM 122.0° Efficiency 94 % Peak intensity 0.400 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p><b>SEOL</b> SEOL SEMICONDUCTOR</p> <p>LED Z5M3 FWHM Asymmetric Efficiency 94 % Peak intensity 0.340 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p><b>SEOL</b> SEOL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM 127.0 + 124.0° Efficiency 94 % Peak intensity 0.380 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 118.0° Efficiency 94 % Peak intensity 0.290 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

##### TOSHIBA

Leading Innovation >>>

LED TL1L4  
FWHM 119.0°  
Efficiency 91 %  
Peak intensity 0.360 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

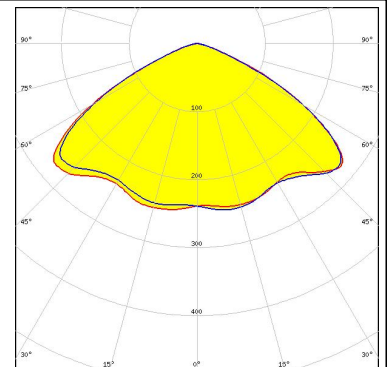


##### TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD  
FWHM 128.0°  
Efficiency 94 %  
Peak intensity 0.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

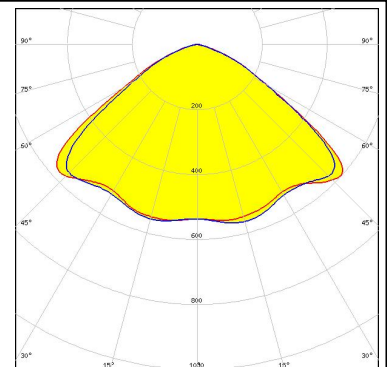
##### TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD  
FWHM 128.0°  
Efficiency 94 %  
Peak intensity 0.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### TRIDONIC

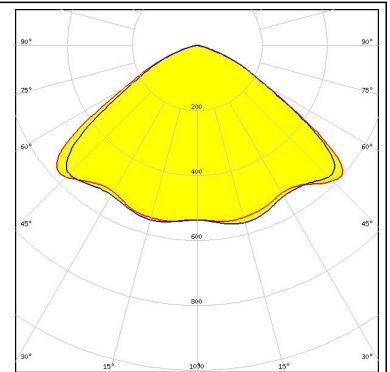
LED RLE G1 49x121mm 2000lm xxx EXC OTD  
FWHM 119.0 + 117.0°  
Efficiency 94 %  
Peak intensity 0.350 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

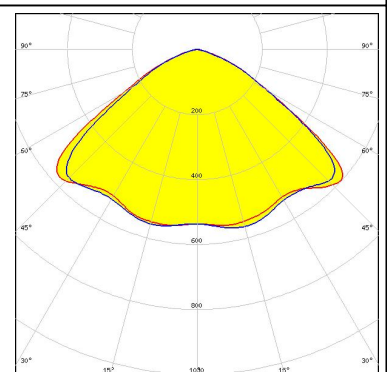
#### TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD  
FWHM 119.0 + 117.0°  
Efficiency 94 %  
Peak intensity 0.350 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



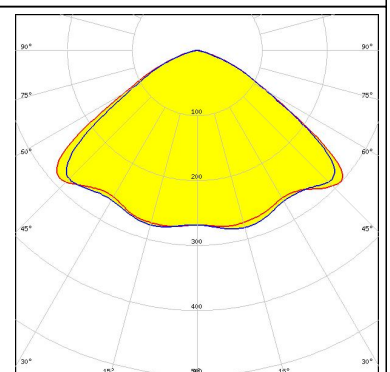
#### TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD  
FWHM 119.0 + 117.0°  
Efficiency 94 %  
Peak intensity 0.350 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### TRIDONIC

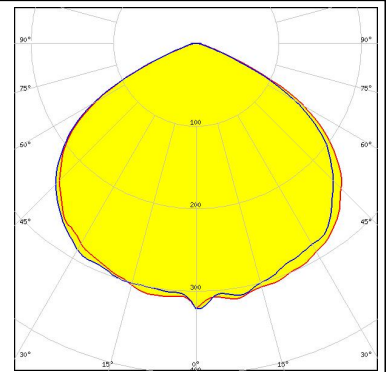
LED RLE G1 49x245mm 4000lm xxx EXC OTD  
FWHM 119.0 + 117.0°  
Efficiency 94 %  
Peak intensity 0.350 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



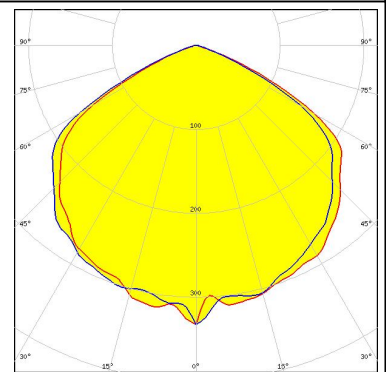
#### PHOTOMETRIC DATA (SIMULATED):



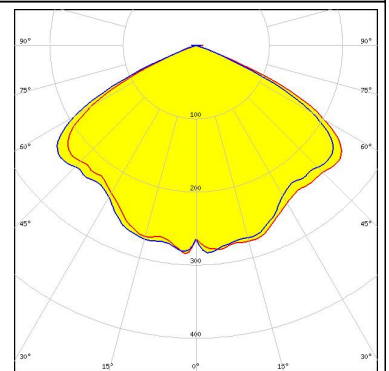
LED MHB-A/B  
 FWHM 117.0 + 116.0°  
 Efficiency 94 %  
 Peak intensity 0.320 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



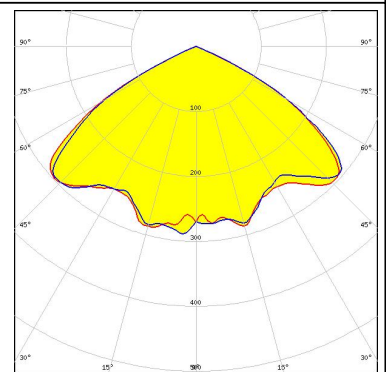
LED XHP35 HD  
 FWHM Asymmetric  
 Efficiency 96 %  
 Peak intensity 0.333 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G2 HE  
 FWHM 126.0°  
 Efficiency 95 %  
 Peak intensity 0.337 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



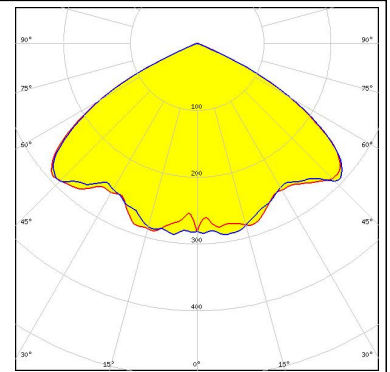
LED LUXEON 3030 2D (Round LES)  
 FWHM 118.0°  
 Efficiency 94 %  
 Peak intensity 0.390 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



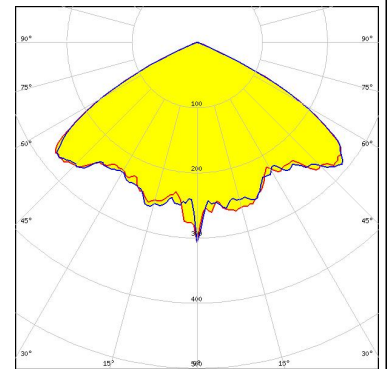
#### PHOTOMETRIC DATA (SIMULATED):



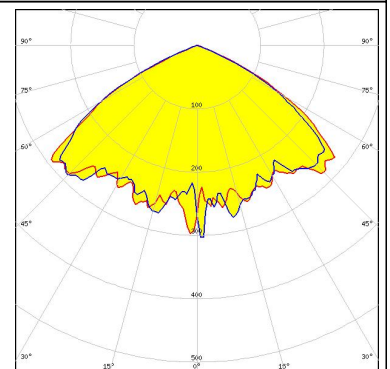
LED LUXEON 3030 2D (Square LES)  
 FWHM 119.0°  
 Efficiency 94 %  
 Peak intensity 0.390 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



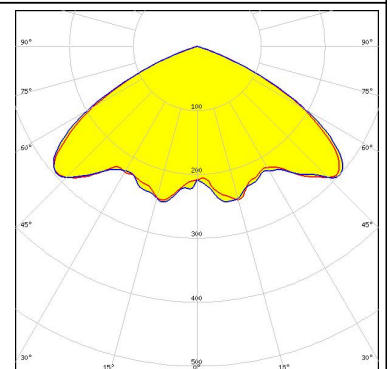
LED NVSxx19B/NVSxx19C  
 FWHM 122.0°  
 Efficiency 94 %  
 Peak intensity 0.391 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED PrevaLED Brick HP 2x8  
 FWHM 122.0°  
 Efficiency 92 %  
 Peak intensity 0.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSCONIQ P 3030  
 FWHM 125.0°  
 Efficiency 96 %  
 Peak intensity 0.393 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

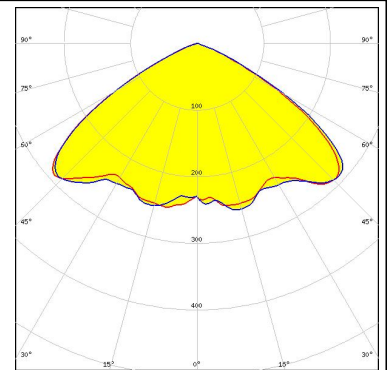


#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

Osram Opto Semiconductors

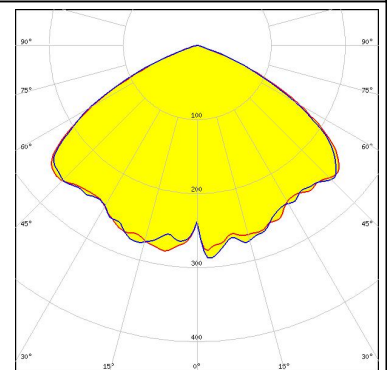
LED OSCONIQ P 3737 (2W version)  
 FWHM 114.0°  
 Efficiency 93 %  
 Peak intensity 0.380 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Osram Opto Semiconductors

LED OSCONIQ P 3737 (3W version)  
 FWHM 106.0 + 114.0°  
 Efficiency 94 %  
 Peak intensity 0.340 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

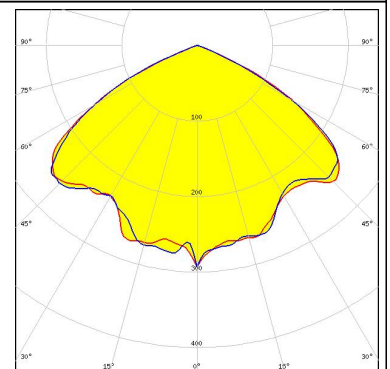


#### OSRAM

Osram Opto Semiconductors

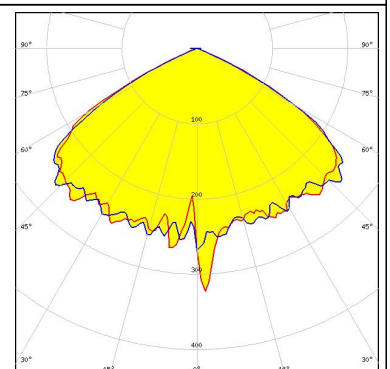
LED OSLON Square CSSRM2/CSSRM3  
 FWHM 122.0°  
 Efficiency 89 %  
 Peak intensity 0.340 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Transparent protective cover



#### SAMSUNG

LED LH351D  
 FWHM 120.0°  
 Efficiency 92 %  
 Peak intensity 0.350 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





#### GENERAL INFORMATION:

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

#### MATERIALS:

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