

HB-IP-2X6-WWW

~100° wide beam

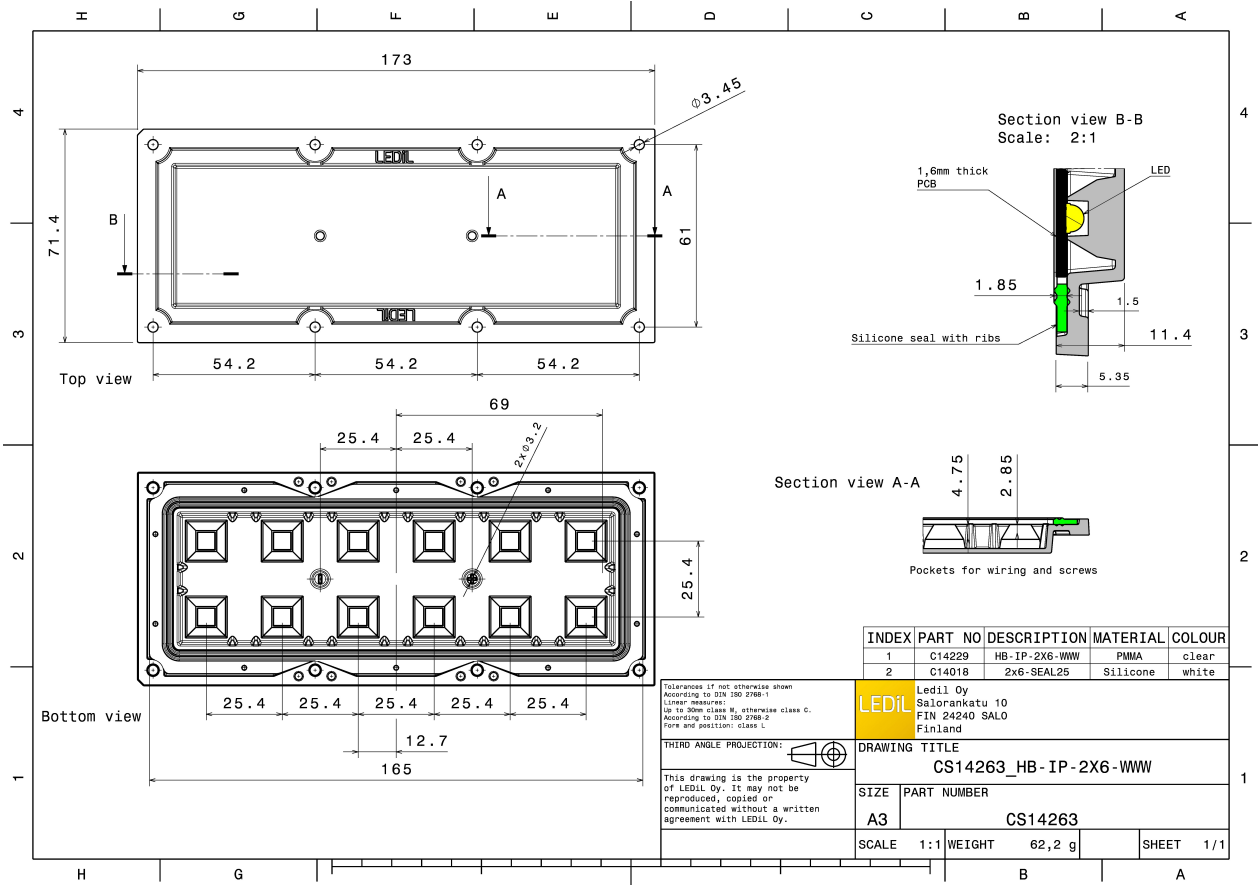
TECHNICAL SPECIFICATIONS:

Dimensions	71.4 x 173.0 mm
Height	11.4 mm
Fastening	screw
Colour	clear
Box size	476 x 273 x 247 mm
Box weight	8.3 kg
Quantity in Box	120 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

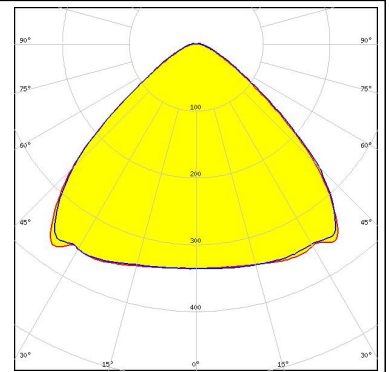
Component	Type	Material	Colour
HB-IP-2X6-WWW	Multi-lens	PMMA	clear
2X6-SEAL25	Seal	Silicone	white



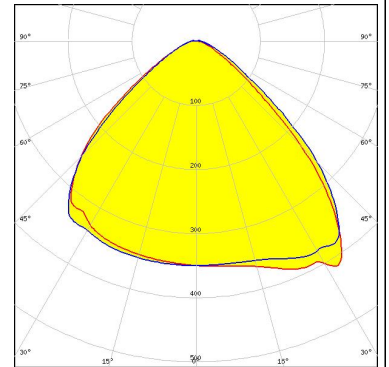
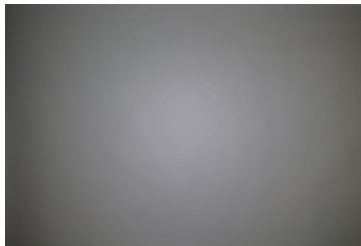
PHOTOMETRIC DATA (MEASURED):



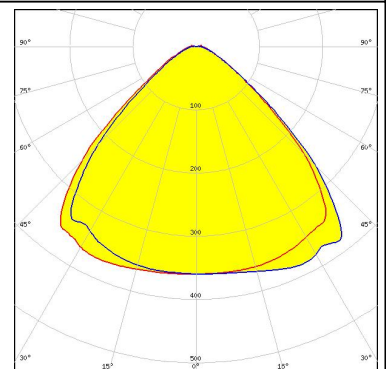
LED QUICK FLUX 2x6 LED XG xxx G7+
 FWHM 100.0°
 Efficiency 94 %
 Peak intensity 0.370 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



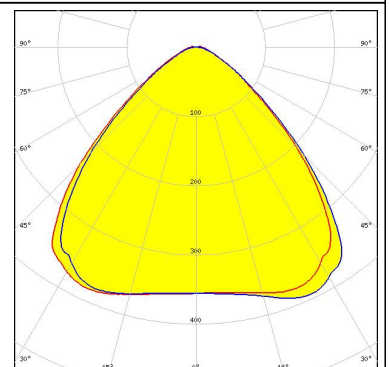
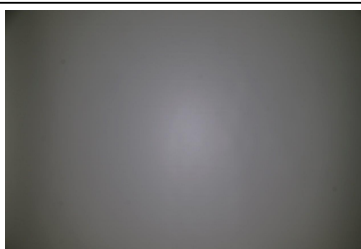
LED QUICK FLUX 2x6 LED XT xxx G5
 FWHM 96.0°
 Efficiency 94 %
 Peak intensity 0.410 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XM-L2
 FWHM 97.0°
 Efficiency 93 %
 Peak intensity 0.380 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



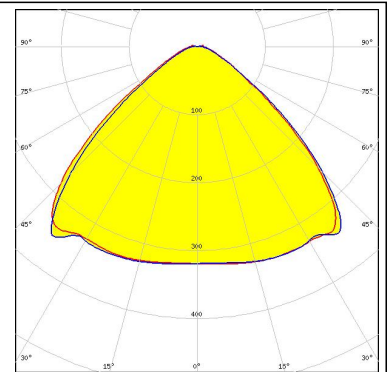
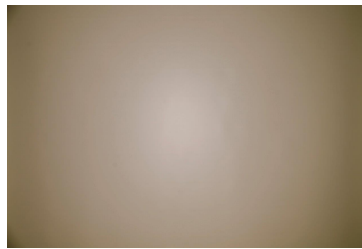
LED XP-G2
 FWHM 95.0°
 Efficiency 93 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

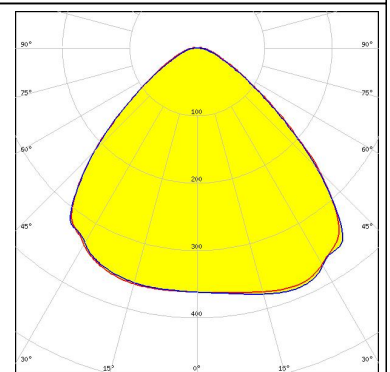
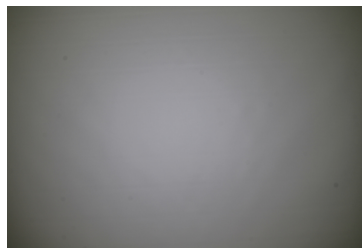
CREE 

LED XP-L HD
 FWHM 103.0°
 Efficiency 92 %
 Peak intensity 0.350 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



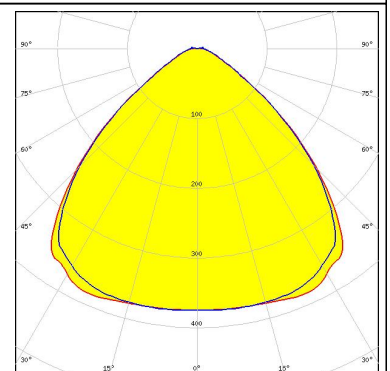
CREE 

LED XP-L2
 FWHM 96.0°
 Efficiency 94 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



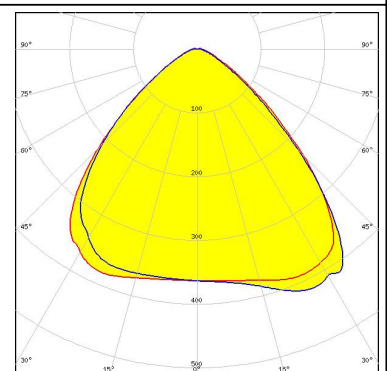
CREE 

LED XT-E
 FWHM 98.0°
 Efficiency 94 %
 Peak intensity 0.380 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE 

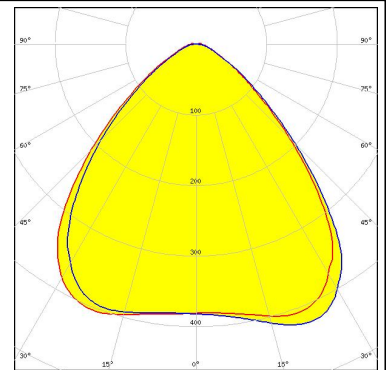
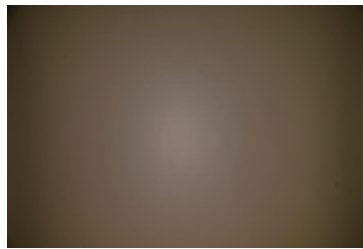
LED XT-E HE
 FWHM 95.0°
 Efficiency 94 %
 Peak intensity 0.420 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

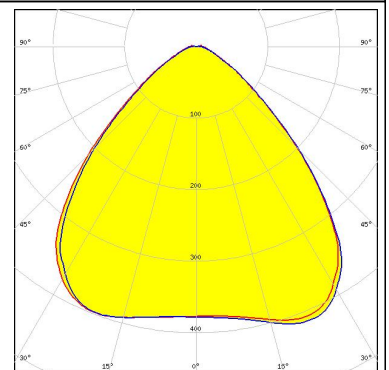
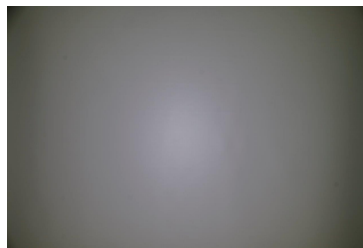
LUMILEDS

LED LUXEON T
 FWHM 91.0°
 Efficiency 93 %
 Peak intensity 0.440 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



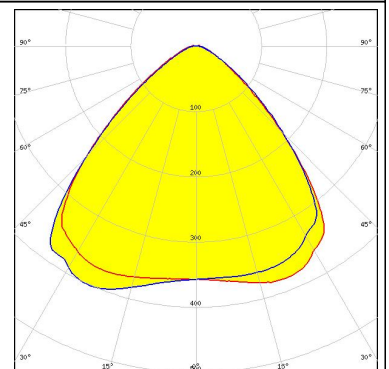
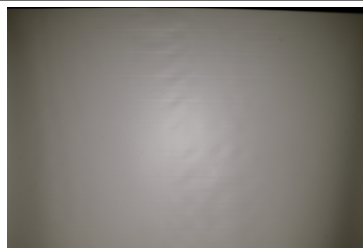
LUMILEDS

LED LUXEON TX
 FWHM 95.0°
 Efficiency 93 %
 Peak intensity 0.430 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



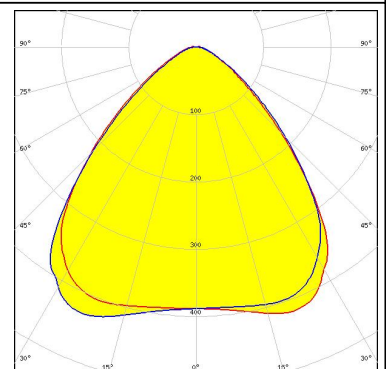
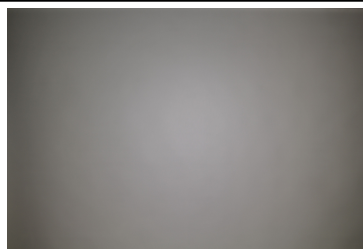
LUMILEDS

LED LUXEON V
 FWHM 94.0°
 Efficiency 92 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

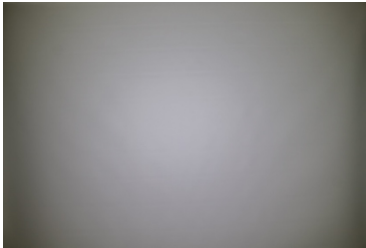
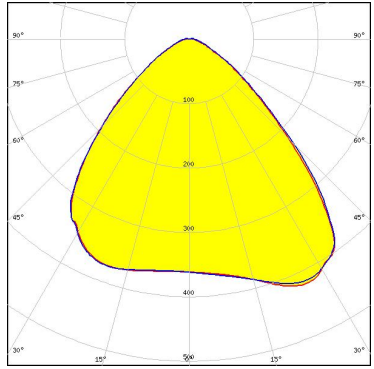
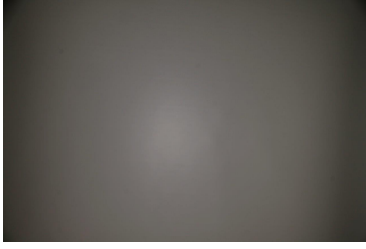
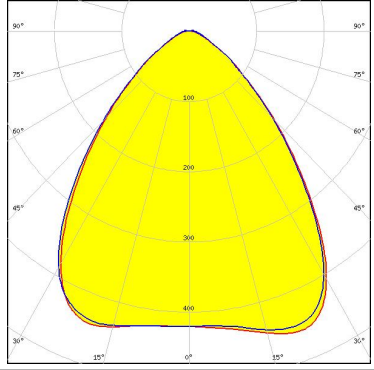
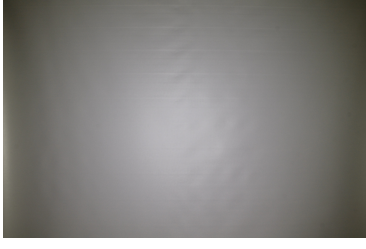
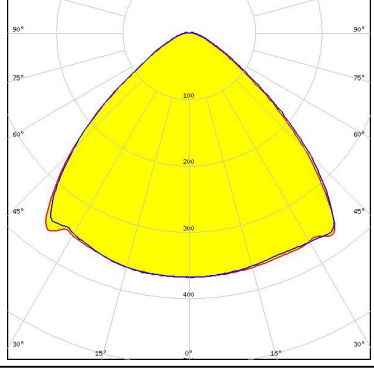

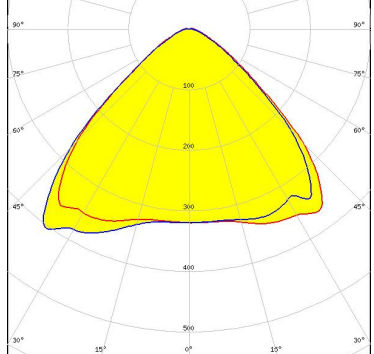


LUMILEDS


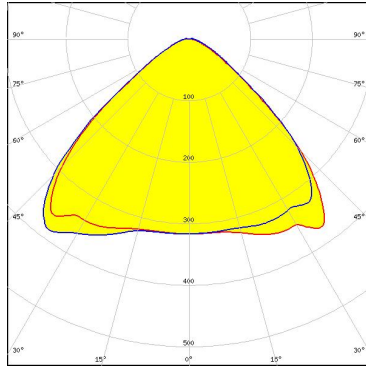
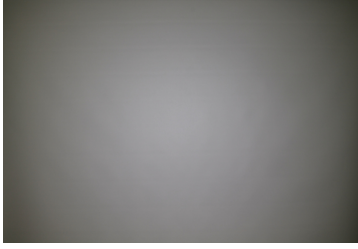
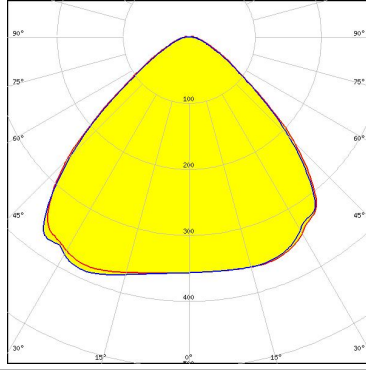
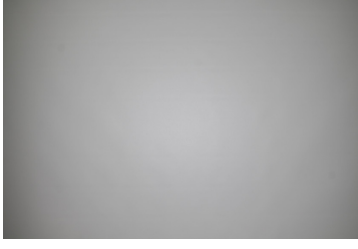
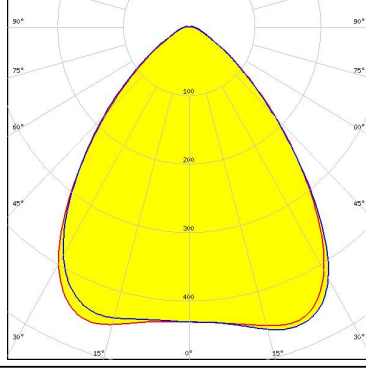

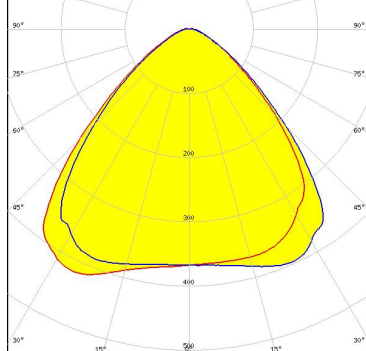
LED LUXEON V2
 FWHM 91.0°
 Efficiency 94 %
 Peak intensity 0.430 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON XR-TX (L2T0-xxyy012M)</p> <p>FWHM 97.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.430 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM 85.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.470 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSW219D</p> <p>FWHM 98.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.370 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSW219F</p> <p>FWHM 101.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.400 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

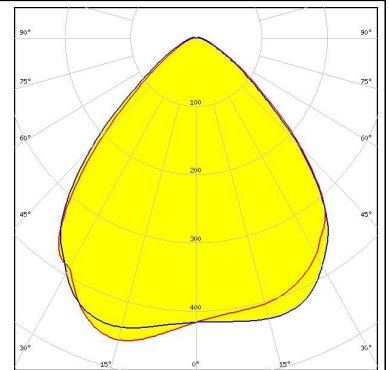
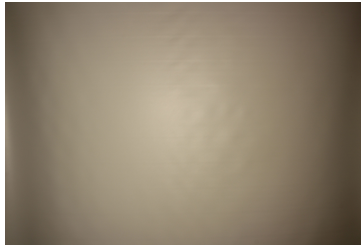
PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NVSW319B FWHM 103.0° Efficiency 94 % Peak intensity 0.400 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW3x9A FWHM 97.0° Efficiency 93 % Peak intensity 0.390 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSxE21A FWHM 84.0° Efficiency 94 % Peak intensity 0.480 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM 90.0° Efficiency 94 % Peak intensity 0.420 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

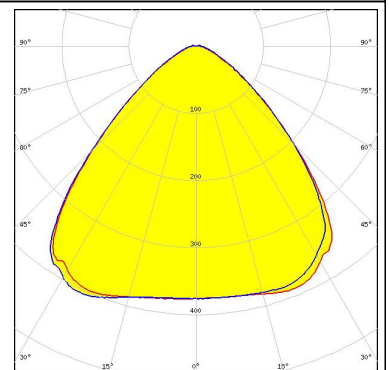
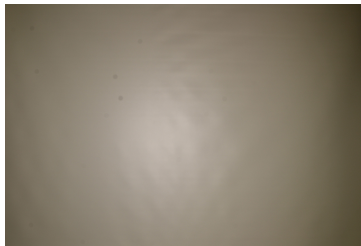
OSRAM
Opto Semiconductors

LED Duris S8
 FWHM 90.0°
 Efficiency 94 %
 Peak intensity 0.467 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



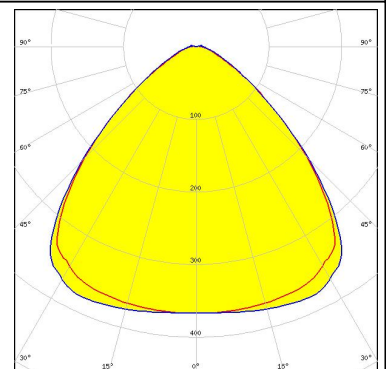
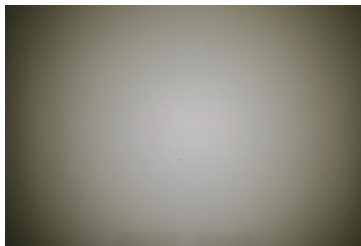
OSRAM
Opto Semiconductors

LED OSOLON Square CSSRM2/CSSRM3
 FWHM 97.0°
 Efficiency 94 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



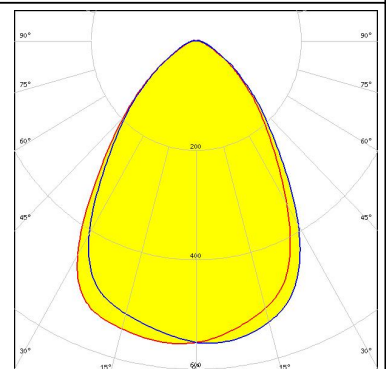
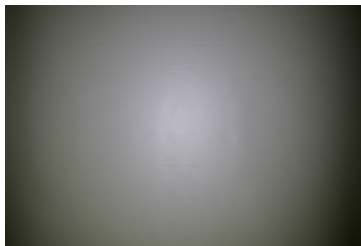
OSRAM
Opto Semiconductors

LED OSOLON Square PC
 FWHM 95.0°
 Efficiency 92 %
 Peak intensity 0.380 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM
Opto Semiconductors

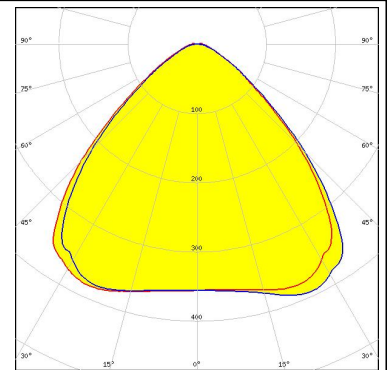
LED OSOLON SSL 80
 FWHM 76.0°
 Efficiency 94 %
 Peak intensity 0.560 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

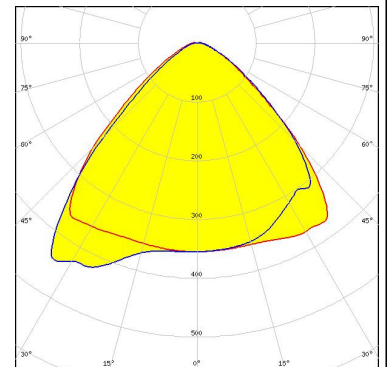
PHILIPS

LED Fortimo FastFlex LED 2x6 DP G4
 FWHM 95.0°
 Efficiency 93 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



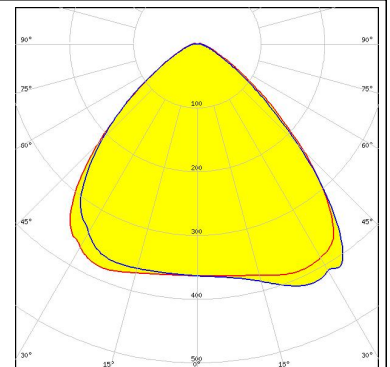
SAMSUNG

LED HiLOM RH12 (LH351C)
 FWHM 94.0°
 Efficiency 93 %
 Peak intensity 0.440 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



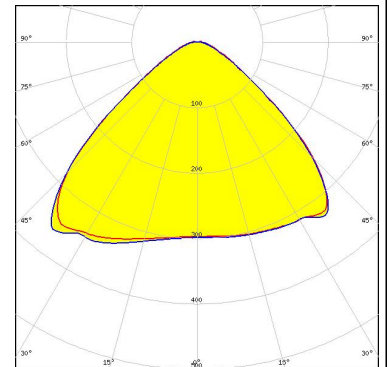
SCIOLUX

LED XLE-S22C4XTEHE (XT-E HE)
 FWHM 95.0°
 Efficiency 94 %
 Peak intensity 0.420 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


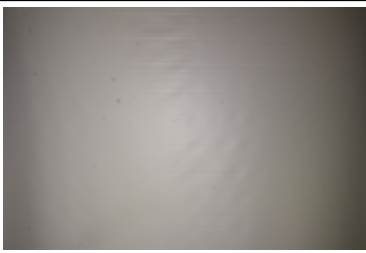
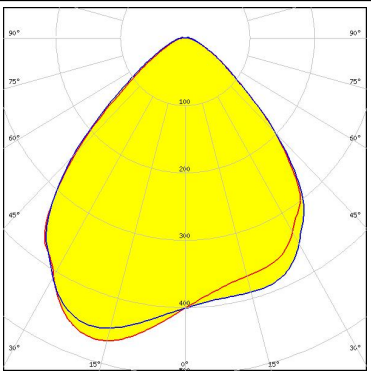

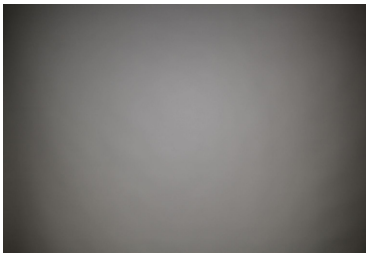
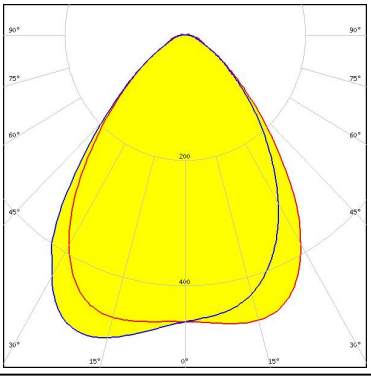


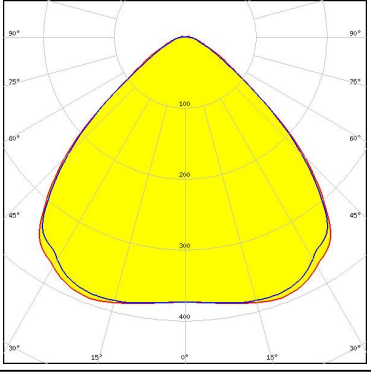

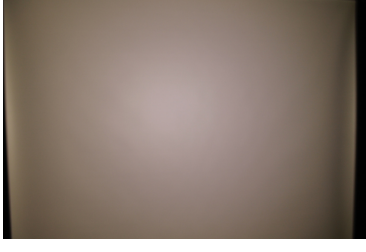
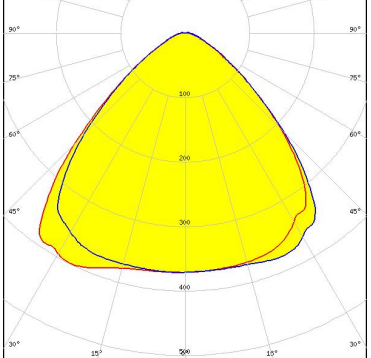


SCIOLUX

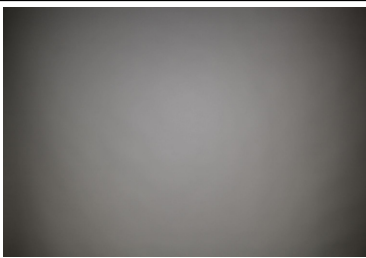
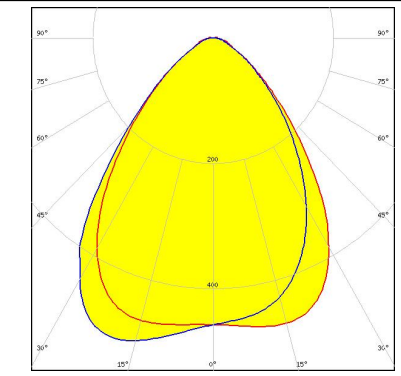

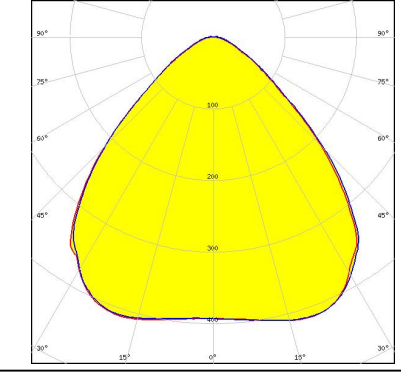

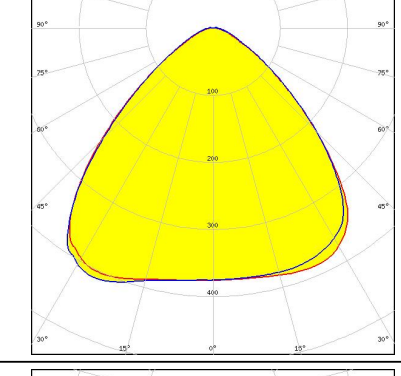

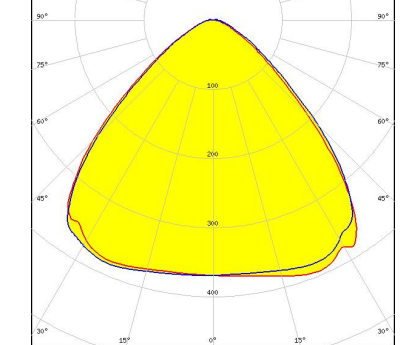
LED XLE-S26XHP35 (XHP35 HD)
 FWHM 104.0°
 Efficiency 93 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

<p> SEUL SEUL SEMICONDUCTOR</p> <p>LED 2x6 5050 module - SMJD-3625012F-XX FWHM 88.0° Efficiency 94 % Peak intensity 0.500 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p> SEUL SEUL SEMICONDUCTOR</p> <p>LED SMJQ-D36W12Mx FWHM 79.0° Efficiency 94 % Peak intensity 0.510 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p> SEUL SEUL SEMICONDUCTOR</p> <p>LED SMJQ-D36W12Px FWHM 96.0° Efficiency 94 % Peak intensity 0.400 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p> SEUL SEUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2 FWHM 97.0° Efficiency 92 % Peak intensity 0.400 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

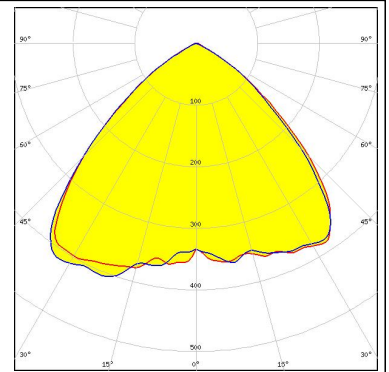
PHOTOMETRIC DATA (MEASURED):

<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM 79.0° Efficiency 94 % Peak intensity 0.510 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P FWHM 92.0° Efficiency 94 % Peak intensity 0.420 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>TOSHIBA Leading Innovation >>></p> <p>LED TL1L4 FWHM 95.0° Efficiency 94 % Peak intensity 0.410 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>TRIDONIC</p> <p>LED RLE 2x6 3000lm HP EXC2 OTD FWHM 94.0° Efficiency 94 % Peak intensity 0.390 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

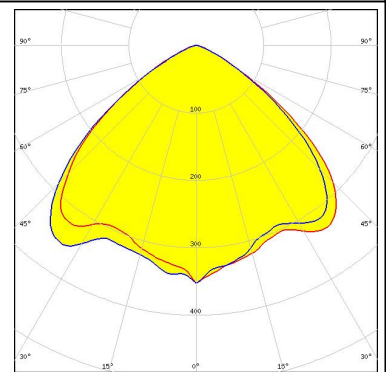
PHOTOMETRIC DATA (SIMULATED):



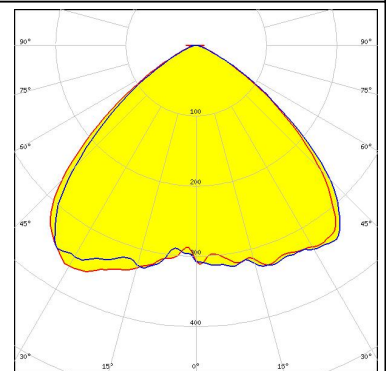
LED J Series 5050
 FWHM 98.0°
 Efficiency 94 %
 Peak intensity 0.420 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



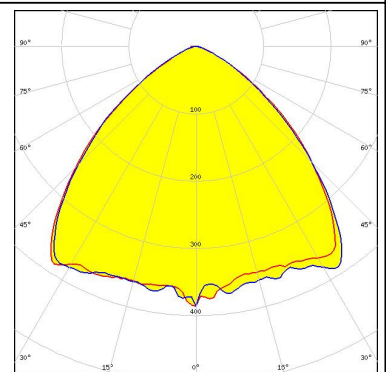
LED MHB-A/B
 FWHM 106.0°
 Efficiency 87 %
 Peak intensity 0.360 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XHP35 HD
 FWHM 101.0°
 Efficiency 91 %
 Peak intensity 0.360 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



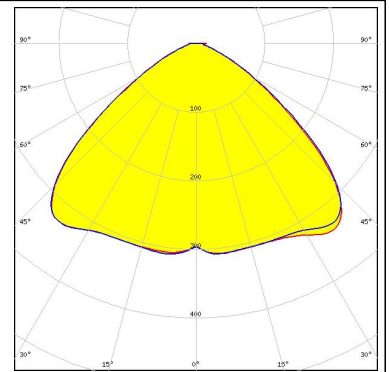
LED XP-E
 FWHM 99.0°
 Efficiency 94 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



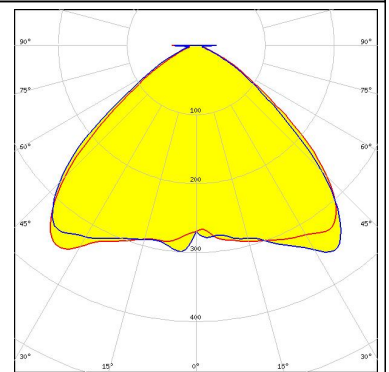
PHOTOMETRIC DATA (SIMULATED):



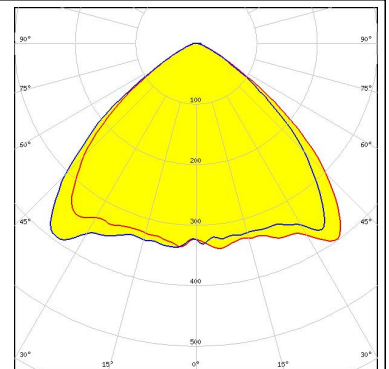
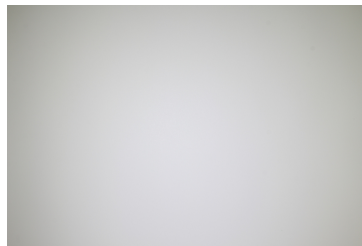
LED XP-G2 HE
 FWHM 108.0°
 Efficiency 93 %
 Peak intensity 0.337 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



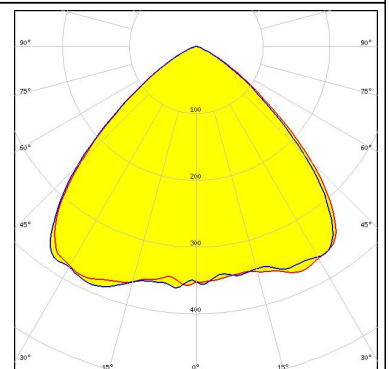
LED XP-G3
 FWHM 95.0°
 Efficiency 91 %
 Peak intensity 0.360 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED H35C1 (LEMWA33)
 FWHM 101.0°
 Efficiency 94 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 5050 Round LES
 FWHM 98.0°
 Efficiency 90 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

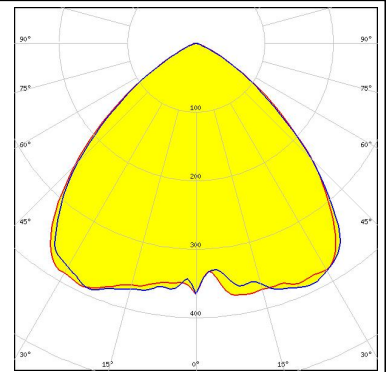


Transparent protective cover

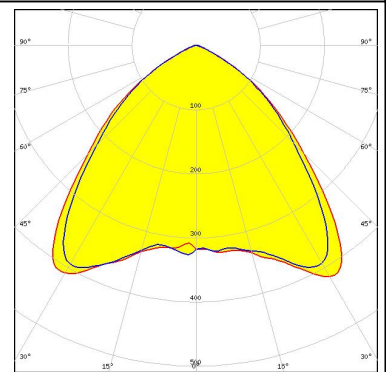
PHOTOMETRIC DATA (SIMULATED):



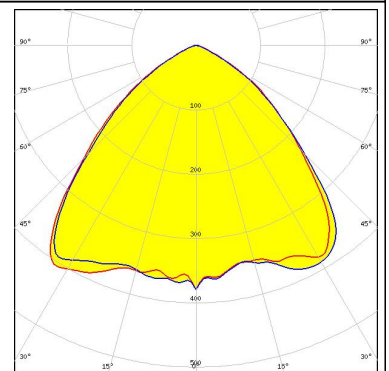
LED LUXEON 5050 Round LES
 FWHM 92.0°
 Efficiency 93 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



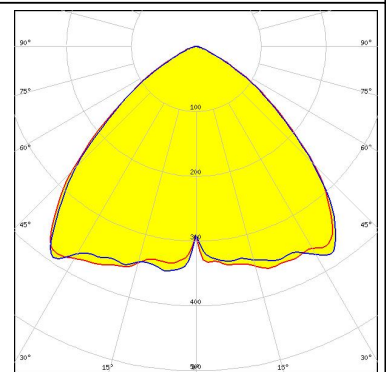
LED OSCONIQ P 3030
 FWHM 94.0°
 Efficiency 96 %
 Peak intensity 0.436 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSCONIQ P 3737 (2W version)
 FWHM 95.0°
 Efficiency 94 %
 Peak intensity 0.410 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSCONIQ P 3737 (3W version)
 FWHM 98.0°
 Efficiency 94 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

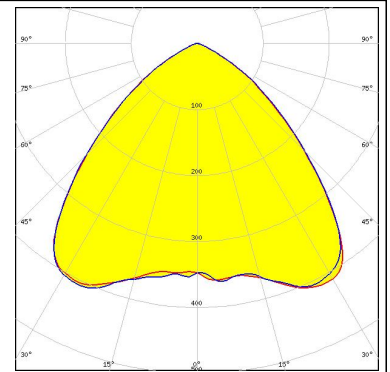


PHOTOMETRIC DATA (SIMULATED):

OSRAM

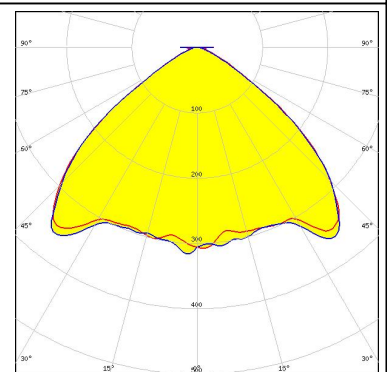
Opto Semiconductors

LED OSCONIQ P 3737 Flat
FWHM 94.0°
Efficiency 96 %
Peak intensity 0.421 cd/lm
LEDs/each optic 1
Light colour White
Required components:



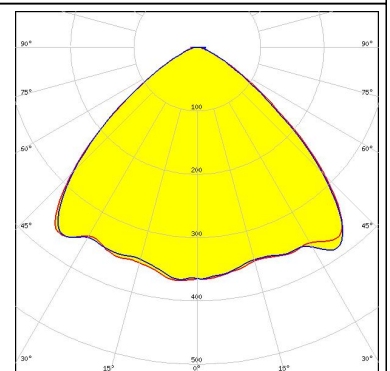
PHILIPS

LED Fortimo FastFlex LED 2x6 DPX G4
FWHM 105.0°
Efficiency 94 %
Peak intensity 0.360 cd/lm
LEDs/each optic 1
Light colour White
Required components:



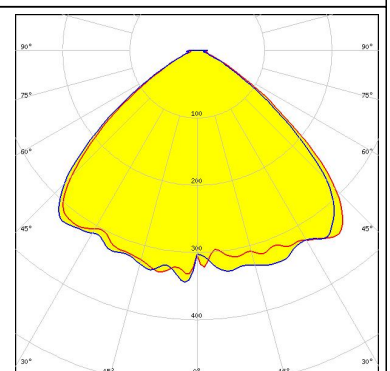
SAMSUNG

LED LH351B
FWHM 100.0°
Efficiency 94 %
Peak intensity 0.390 cd/lm
LEDs/each optic 1
Light colour White
Required components:


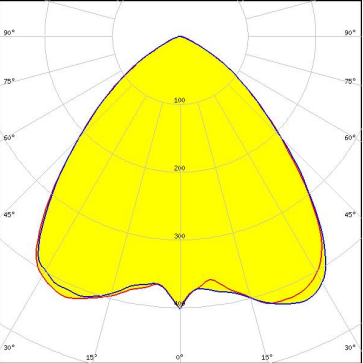
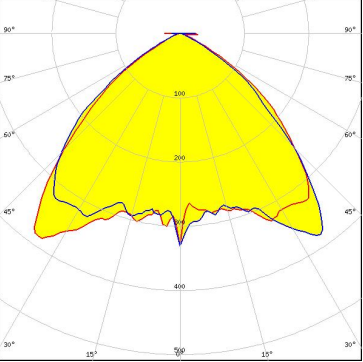
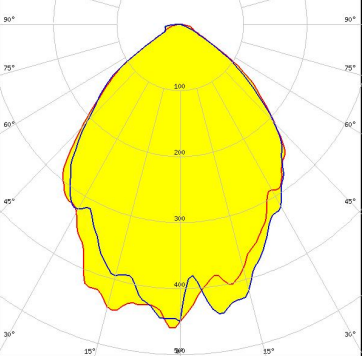


SAMSUNG

LED LH351D
FWHM 107.0°
Efficiency 92 %
Peak intensity 0.350 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22T FWHM 93.0° Efficiency 94 % Peak intensity 0.450 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>TOSHIBA Leading Innovation >>></p> <p>LED TL1L2 FWHM 100.0° Efficiency 91 % Peak intensity 0.390 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>TOSHIBA Leading Innovation >>></p> <p>LED TL1L3 FWHM Asymmetric Efficiency 84 % Peak intensity 0.490 cd/lm LEDs/each optic 1 Light colour White 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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