

HB-IP-2X6-M

~25° medium beam

TECHNICAL SPECIFICATIONS:

Dimensions	173.0 x 71.4 mm
Height	11.4 mm
Fastening	pin, screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

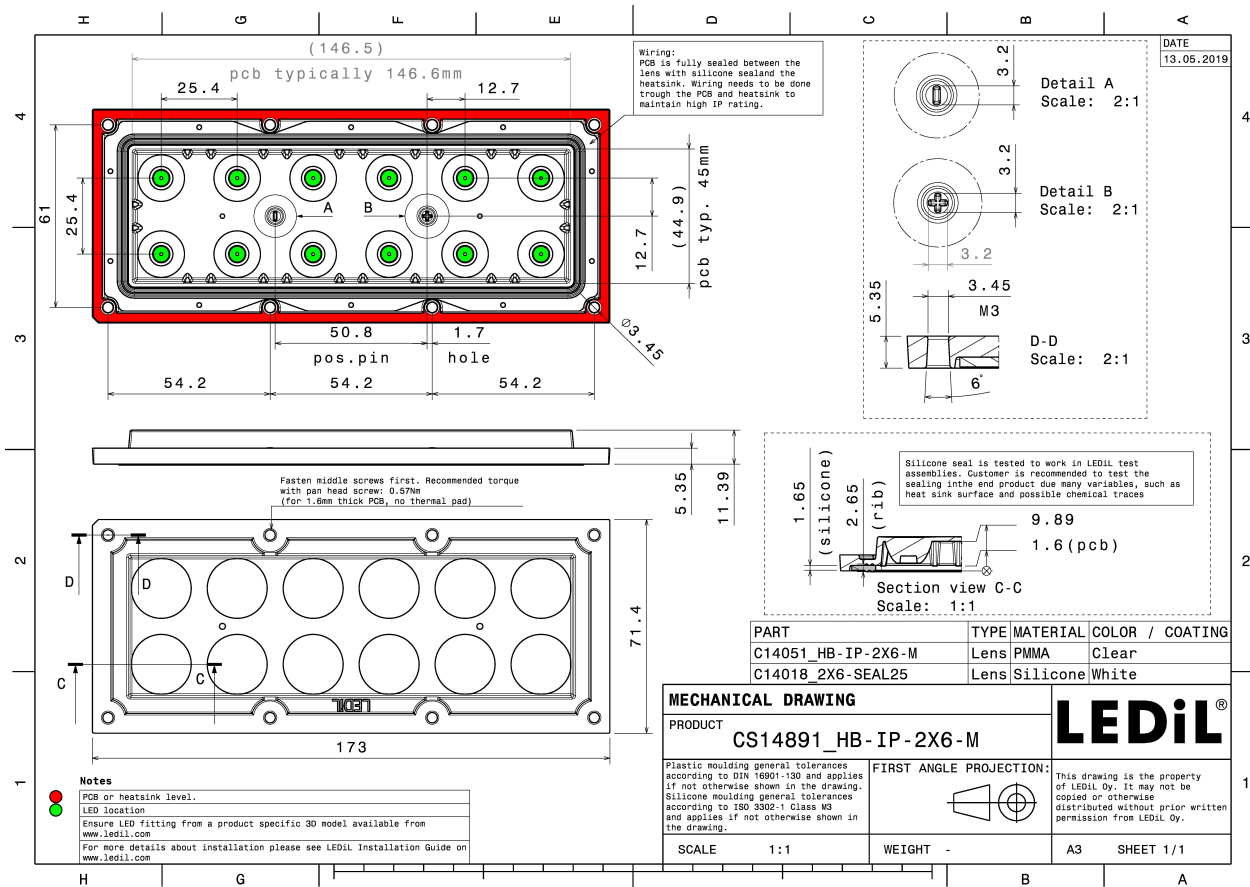
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS14891_HB-IP-2X6-M	Multi-lens	120	40	40	8.1
» Box size: 476 x 273 x 247 mm					



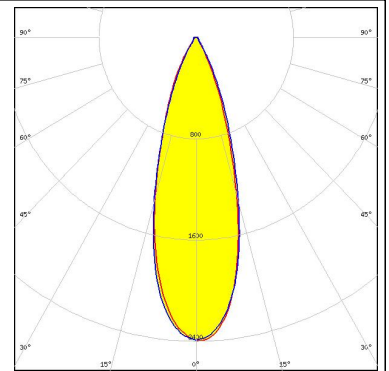
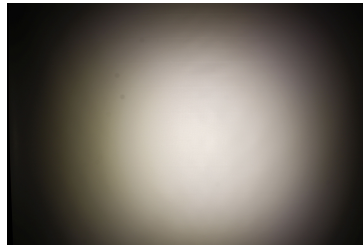


See also our general installation guide: www.ledil.com/installation_guide

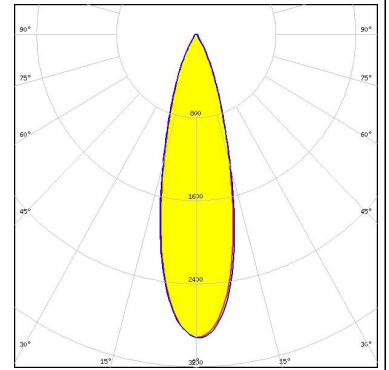
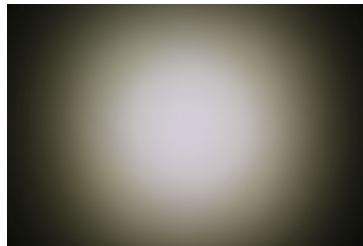
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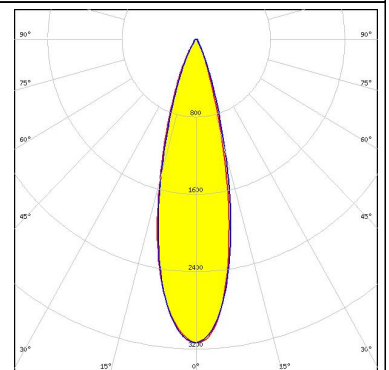
LED QUICK FLUX 2x6 LED XG xxx G7+
 FWHM 32.0°
 Efficiency 94 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



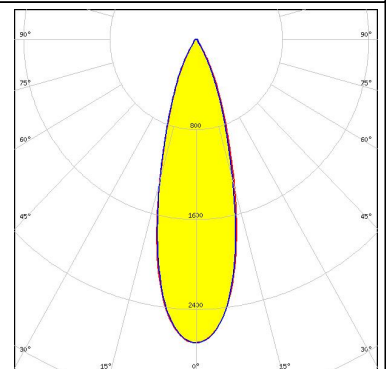
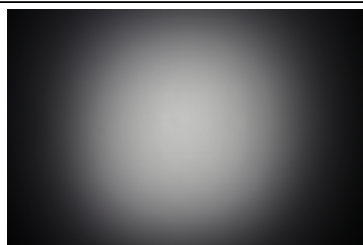
LED QUICK FLUX 2x6 LED XT xxx G5
 FWHM 28.0°
 Efficiency 94 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XM-L
 FWHM 27.0°
 Efficiency 94 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



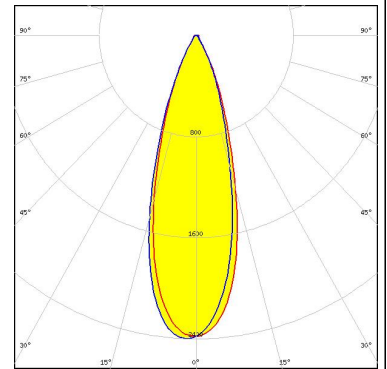
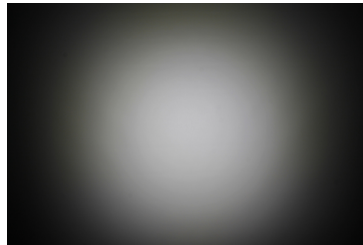
LED XP-G2
 FWHM 30.0°
 Efficiency 94 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

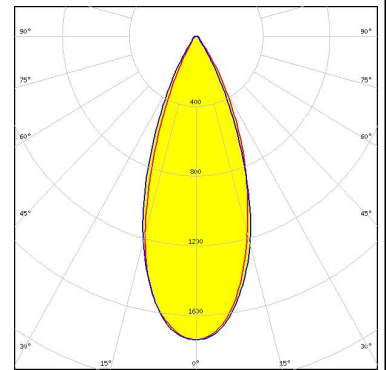
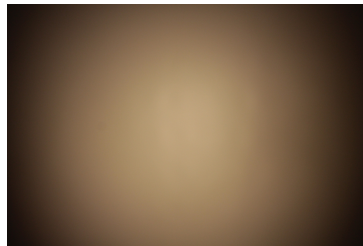
CREE

LED XP-G3
FWHM 32.0°
Efficiency 94 %
Peak intensity 2.4 cd/Im
LEDs/each optic 1
Light colour White
Required components:



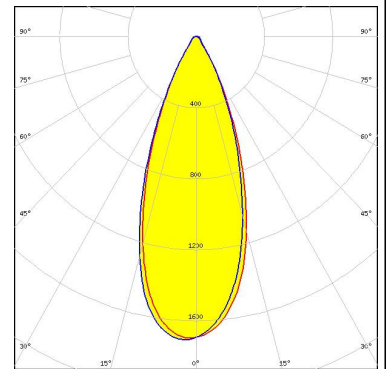
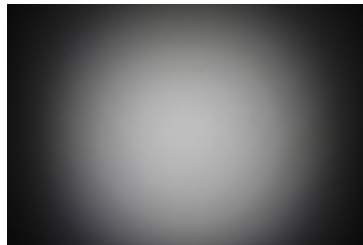
CREE

LED XP-L HD
FWHM 39.0°
Efficiency 94 %
Peak intensity 1.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:



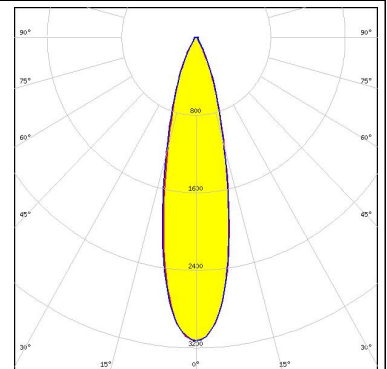
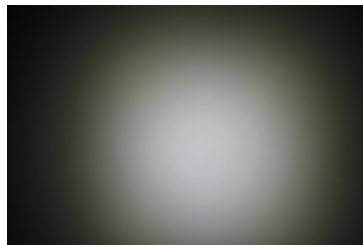
CREE

LED XP-L2
FWHM 39.0°
Efficiency 94 %
Peak intensity 1.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:



CREE

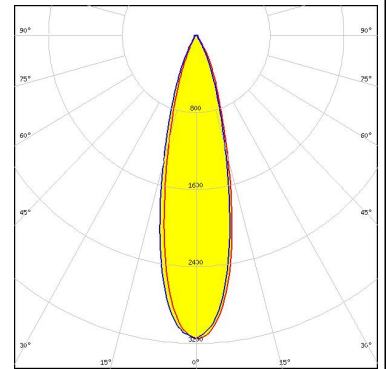
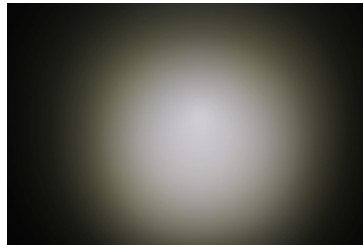
LED XT-E
FWHM 25.0°
Efficiency 92 %
Peak intensity 3.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:



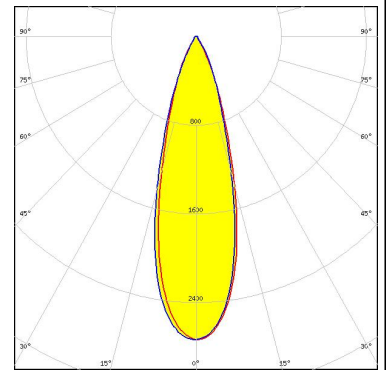
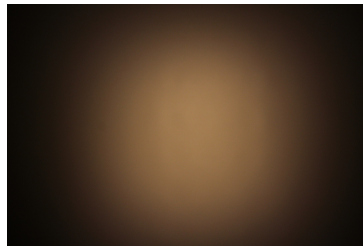
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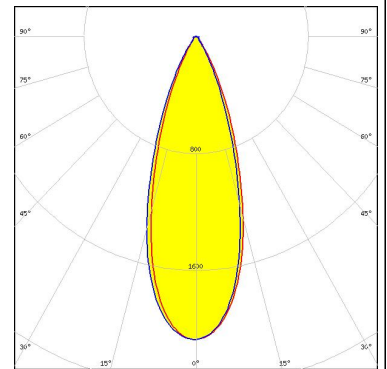
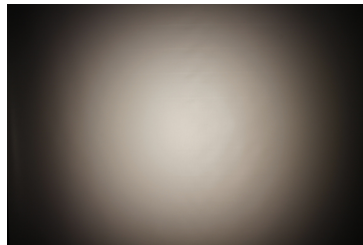
LED XT-E HE
FWHM 26.0°
Efficiency 94 %
Peak intensity 3.2 cd/Im
LEDs/each optic 1
Light colour White
Required components:



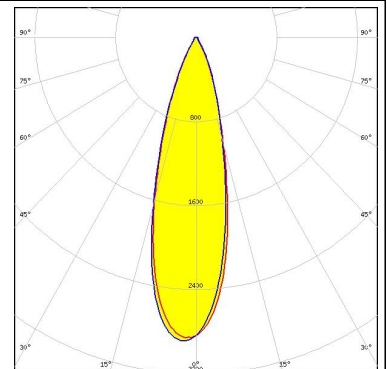
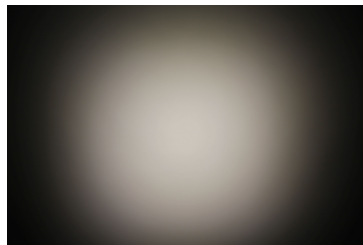
LED LUXEON T
FWHM 29.0°
Efficiency 94 %
Peak intensity 2.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON V
FWHM 35.0°
Efficiency 93 %
Peak intensity 2.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:



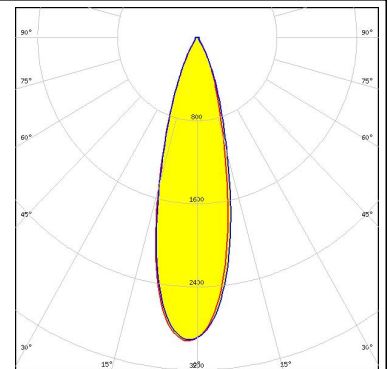
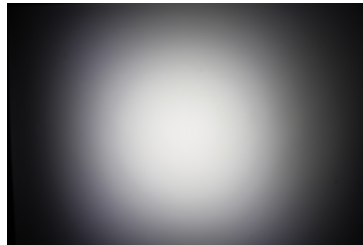
LED LUXEON V2
FWHM 28.0°
Efficiency 94 %
Peak intensity 2.9 cd/Im
LEDs/each optic 1
Light colour White
Required components:



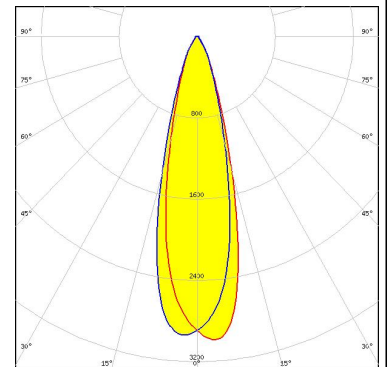
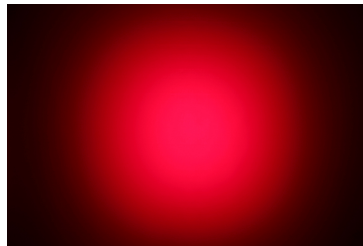
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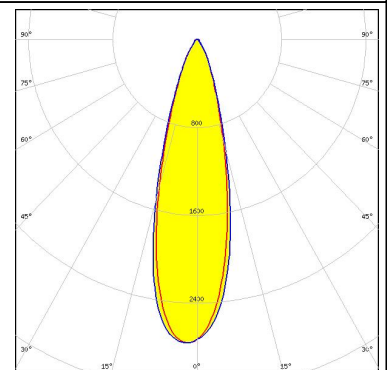
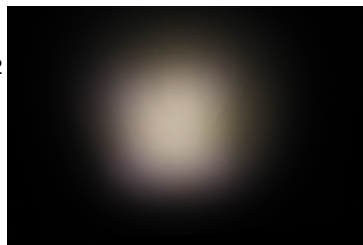
LED LUXEON XR-TX (L2T0-xyy012M)
 FWHM 28.0°
 Efficiency 94 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



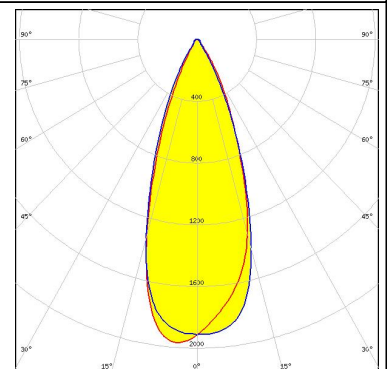
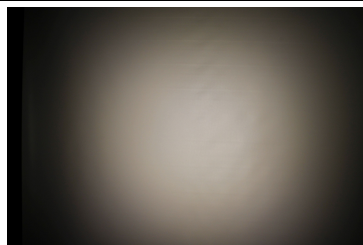
LED SST-10-B130
 FWHM 27.0°
 Efficiency 95 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour Deep Red
 Required components:



LED RecLED 146x45mm 2900lm 7x0 2x6 IP Opt G2
 FWHM 28.0°
 Efficiency 95 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



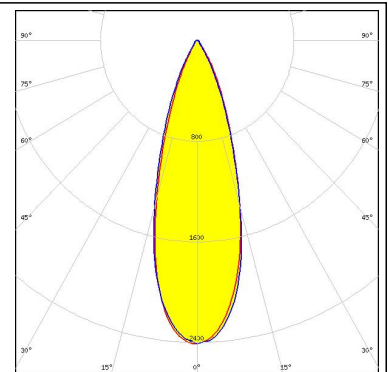
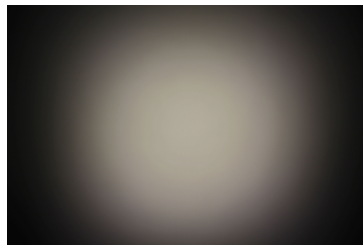
LED NVSW219D
 FWHM 38.0°
 Efficiency 94 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



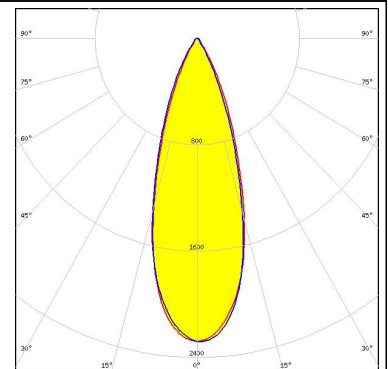
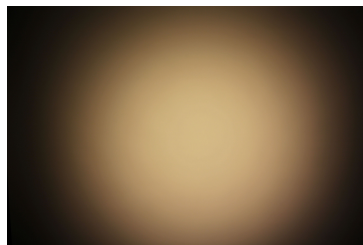
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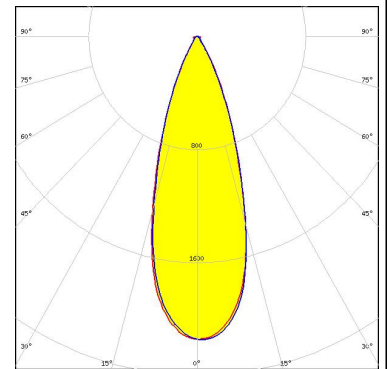
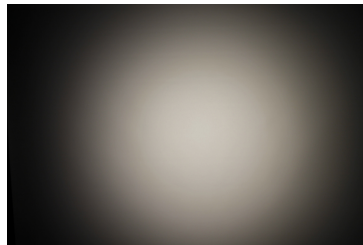
LED NVSW219F
FWHM 33.0°
Efficiency 94 %
Peak intensity 2.4 cd/Im
LEDs/each optic 1
Light colour White
Required components:



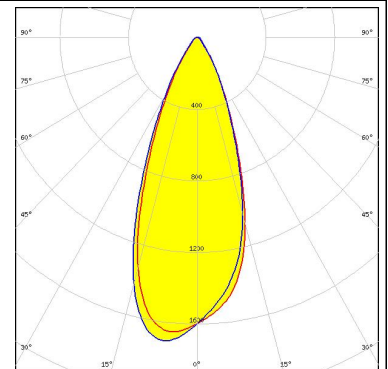
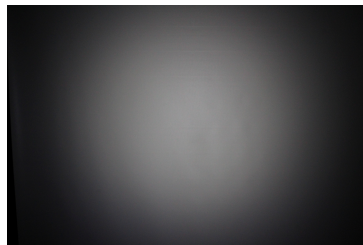
LED NVSW319B
FWHM 34.0°
Efficiency 94 %
Peak intensity 2.3 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED NVSW3x9A
FWHM 34.0°
Efficiency 94 %
Peak intensity 2.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:



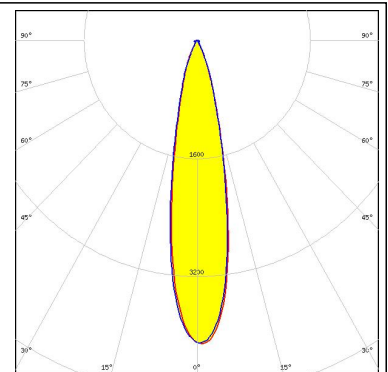
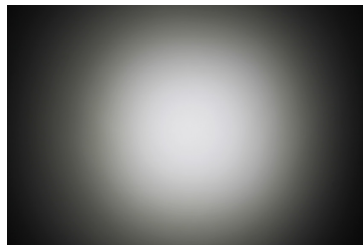
LED NVSW519A
FWHM 40.0°
Efficiency 95 %
Peak intensity 1.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:



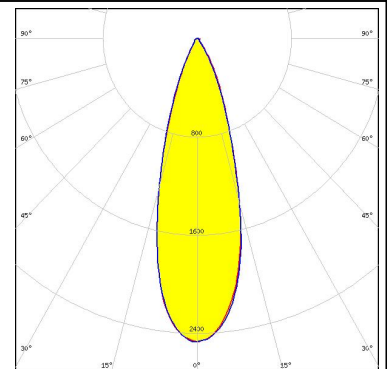
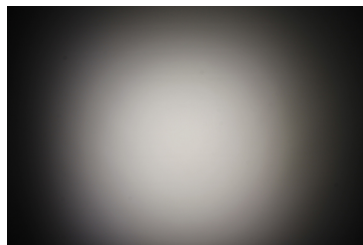
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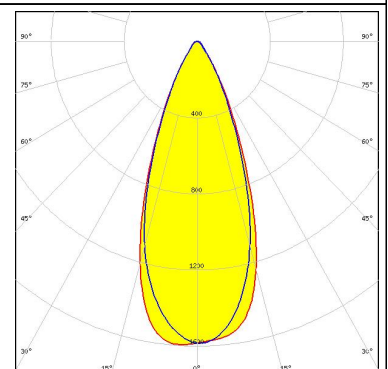
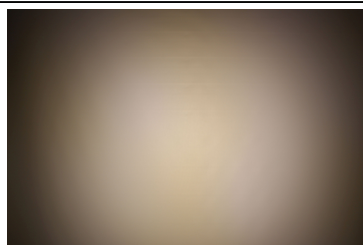
LED NVSxE21A
FWHM 24.0°
Efficiency 92 %
Peak intensity 4.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:



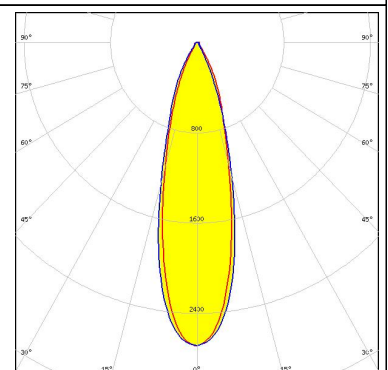
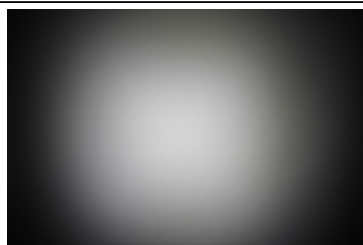
LED NVSxx19B/NVSxx19C
FWHM 31.0°
Efficiency 93 %
Peak intensity 2.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED Duris S8
FWHM 41.0°
Efficiency 94 %
Peak intensity 1.6 cd/Im
LEDs/each optic 1
Light colour White
Required components:



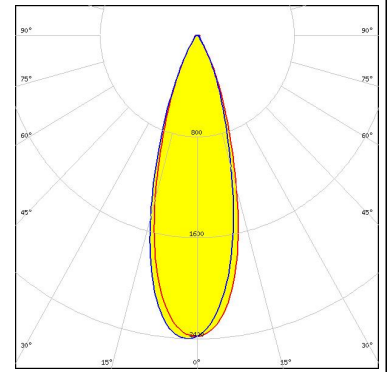
LED OSLOM Square PC
FWHM 29.0°
Efficiency 93 %
Peak intensity 2.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

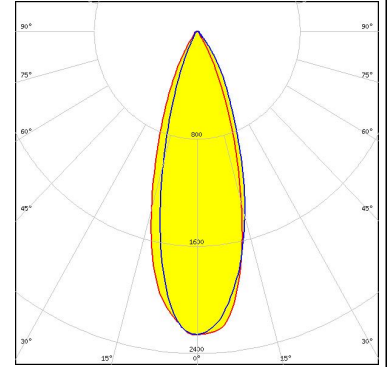
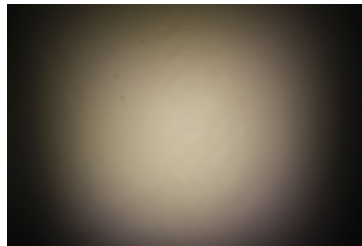
PHILIPS

LED Fortimo FastFlex LED 2x6 DPX G4
 FWHM 32.0°
 Efficiency 94 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



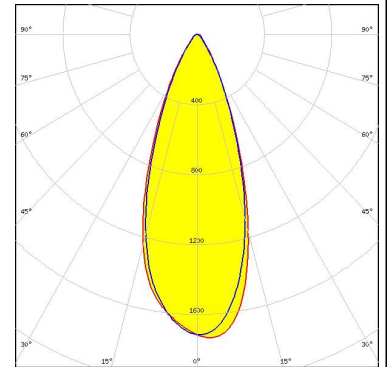
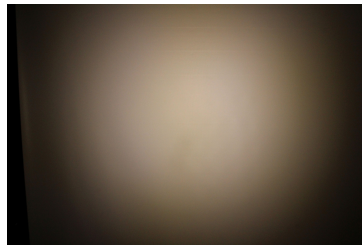
SAMSUNG

LED HiLOM RH12 (LH351C)
 FWHM 33.0°
 Efficiency 94 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



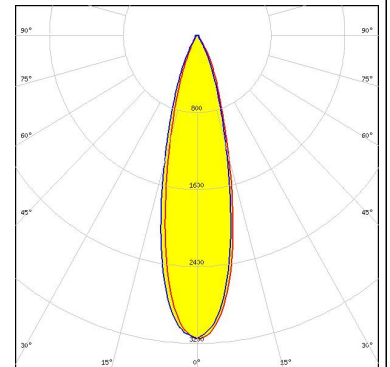
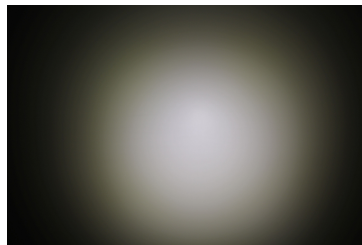
SAMSUNG

LED HiLOM RM12 ZP (LH502C)
 FWHM 38.0°
 Efficiency 96 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SCIOLUX

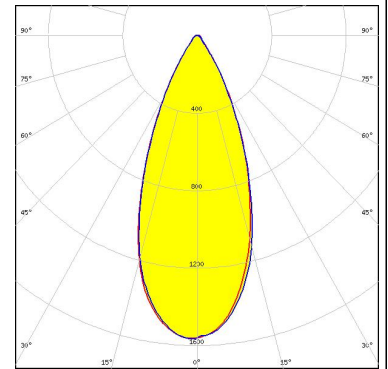
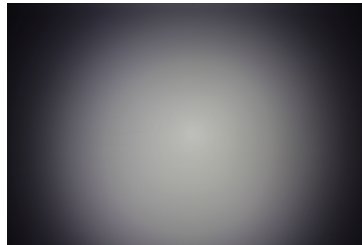
LED XLE-S22C4XTEHE (XT-E HE)
 FWHM 26.0°
 Efficiency 94 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



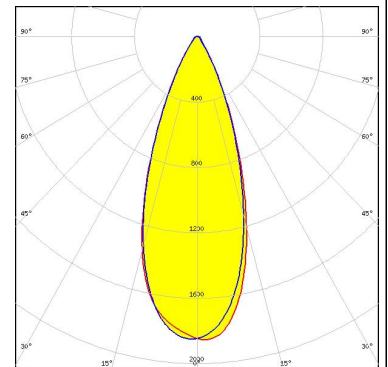
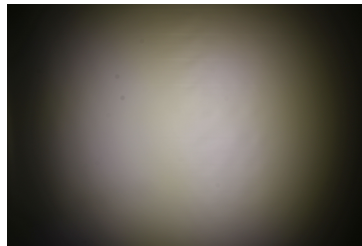
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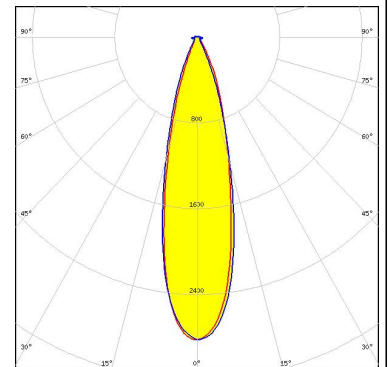
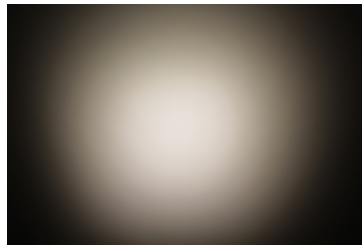
LED XLE-S26XHP35 (XHP35 HD)
 FWHM 42.0°
 Efficiency 94 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



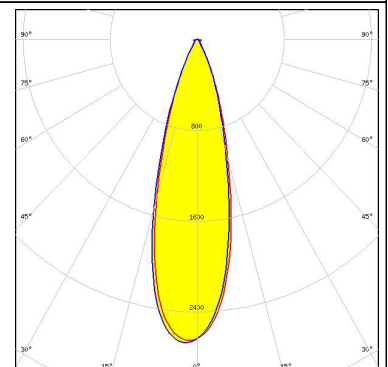
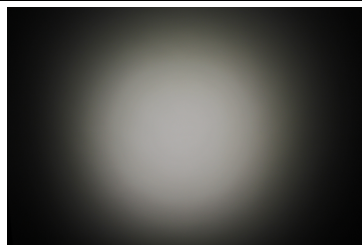
LED 2x6 5050 module - SMJD-3625012F-XX
 FWHM 38.0°
 Efficiency 94 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED SMJQ-D36W12Mx
 FWHM 26.0°
 Efficiency 91 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED SMJQ-D36W12Px
 FWHM 29.0°
 Efficiency 94 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



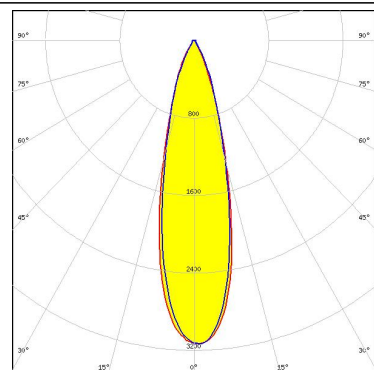
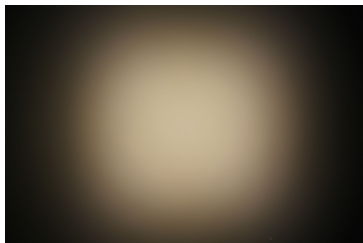
PHOTOMETRIC DATA (MEASURED):

<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2</p> <p>FWHM 30.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 2.6 cd/Im</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM 30.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 2.5 cd/Im</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22</p> <p>FWHM 26.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 2.8 cd/Im</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P</p> <p>FWHM 30.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 2.5 cd/Im</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

TRIDONIC

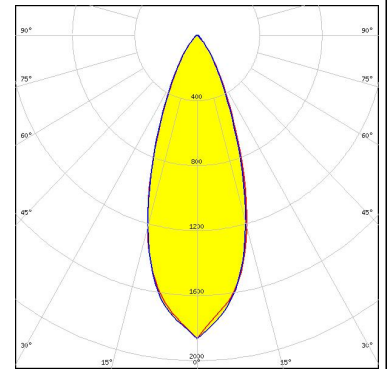
LED RLE 2x6 3000lm HP EXC2 OTD
 FWHM 26.0°
 Efficiency 94 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



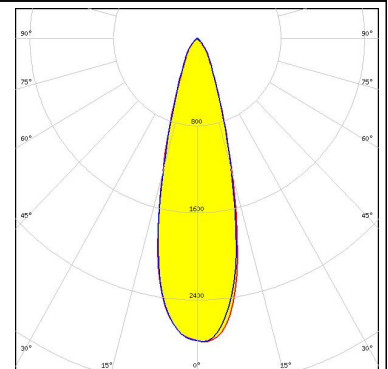
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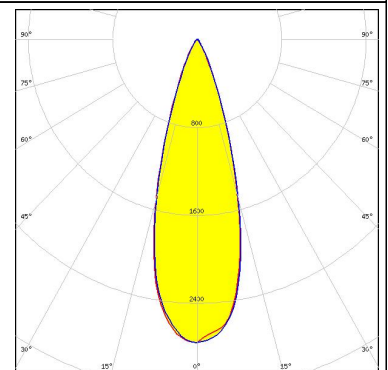
LED Bridgelux SMD 5050
 FWHM 37.0°
 Efficiency 94 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



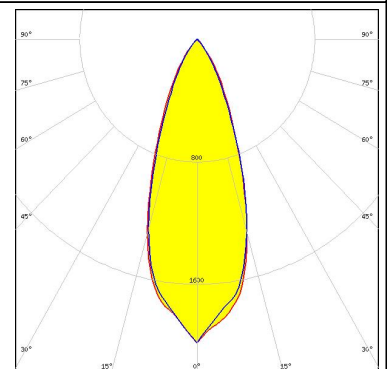
LED XP-E
 FWHM 28.0°
 Efficiency 94 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G2 HE
 FWHM 31.0°
 Efficiency 95 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 5050 Round LES
 FWHM 37.0°
 Efficiency 93 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



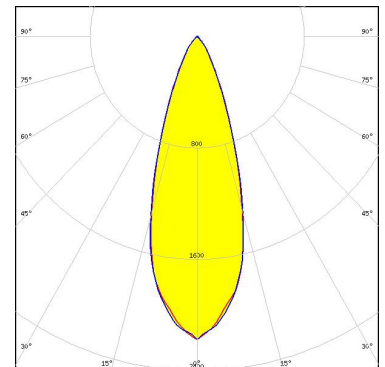
PHOTOMETRIC DATA (SIMULATED):



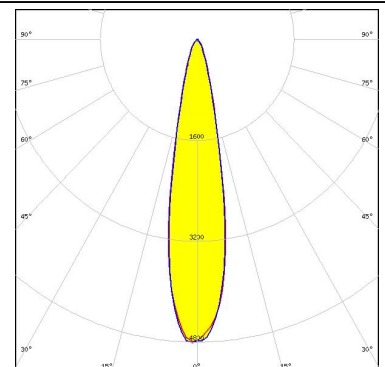
LED LUXEON 5050 Square LES
 FWHM 34.0°
 Efficiency 94 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



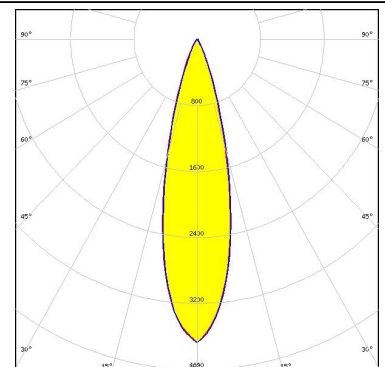
LED NV4WB35AM
 FWHM 34.0°
 Efficiency 95 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSCONIQ P 3030
 FWHM 20.0°
 Efficiency 96 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSCONIQ P 3737 (3W version)
 FWHM 26.0°
 Efficiency 94 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

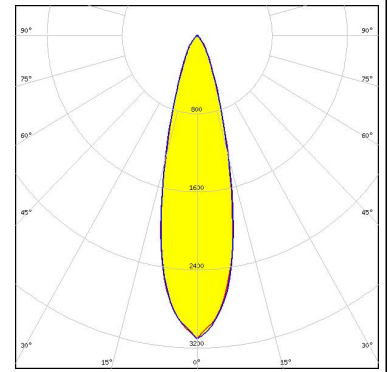


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

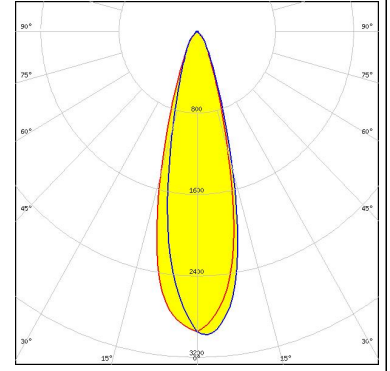
LED OSCONIQ P 3737 Flat
FWHM 27.0°
Efficiency 96 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

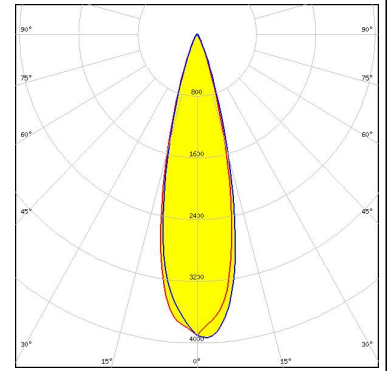
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM 27.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



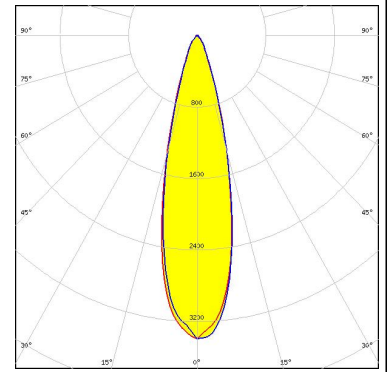
PHILIPS

LED Fortimo FastFlex LED 2x6 DP G4
FWHM 26.0°
Efficiency 94 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

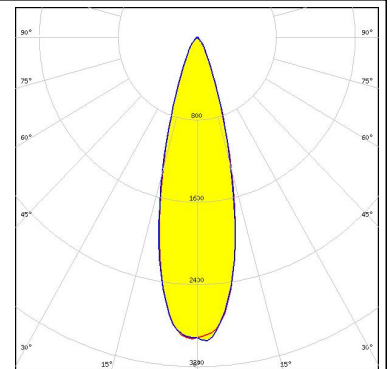
LED LH181B
FWHM 27.0°
Efficiency 94 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

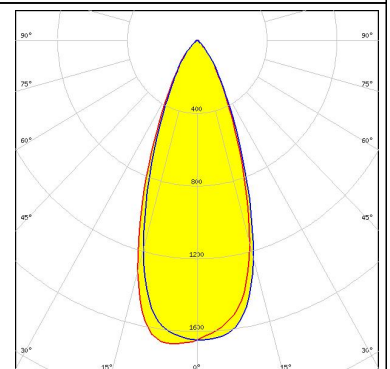
SAMSUNG

LED LH231B
FWHM 28.0°
Efficiency 95 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



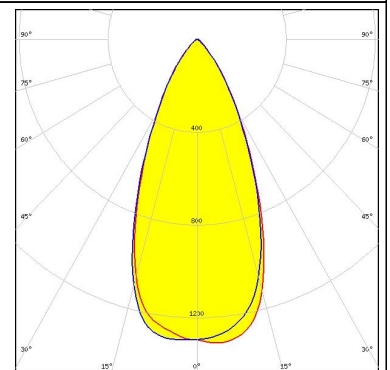
SAMSUNG

LED LH351C
FWHM 39.5°
Efficiency 94 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



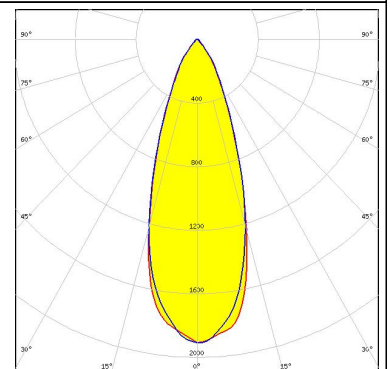
SAMSUNG

LED LH351D
FWHM 46.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:


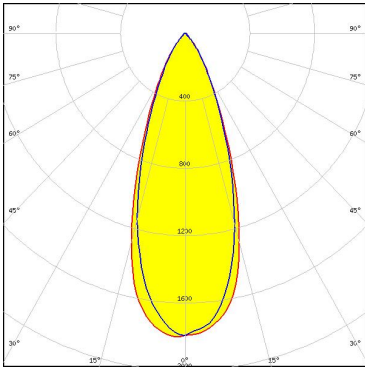

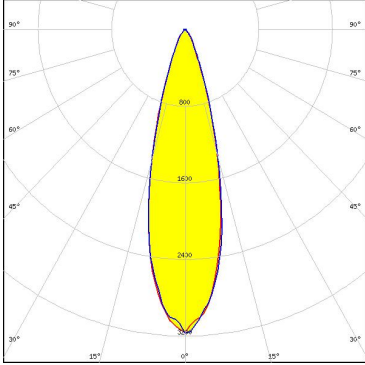


SAMSUNG

LED LH508B
FWHM 36.0°
Efficiency 94 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 5050 6V</p> <p>FWHM: 39.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.8 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED: Z8Y22T</p> <p>FWHM: 28.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 3.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

GENERAL INFORMATION:

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

MATERIALS:

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