

SPORT-2X2-S2

Slightly asymmetric ~20° spot beam with minimum spill light

SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	14.2 mm
Fastening	screw
ROHS compliant	yes ⓘ

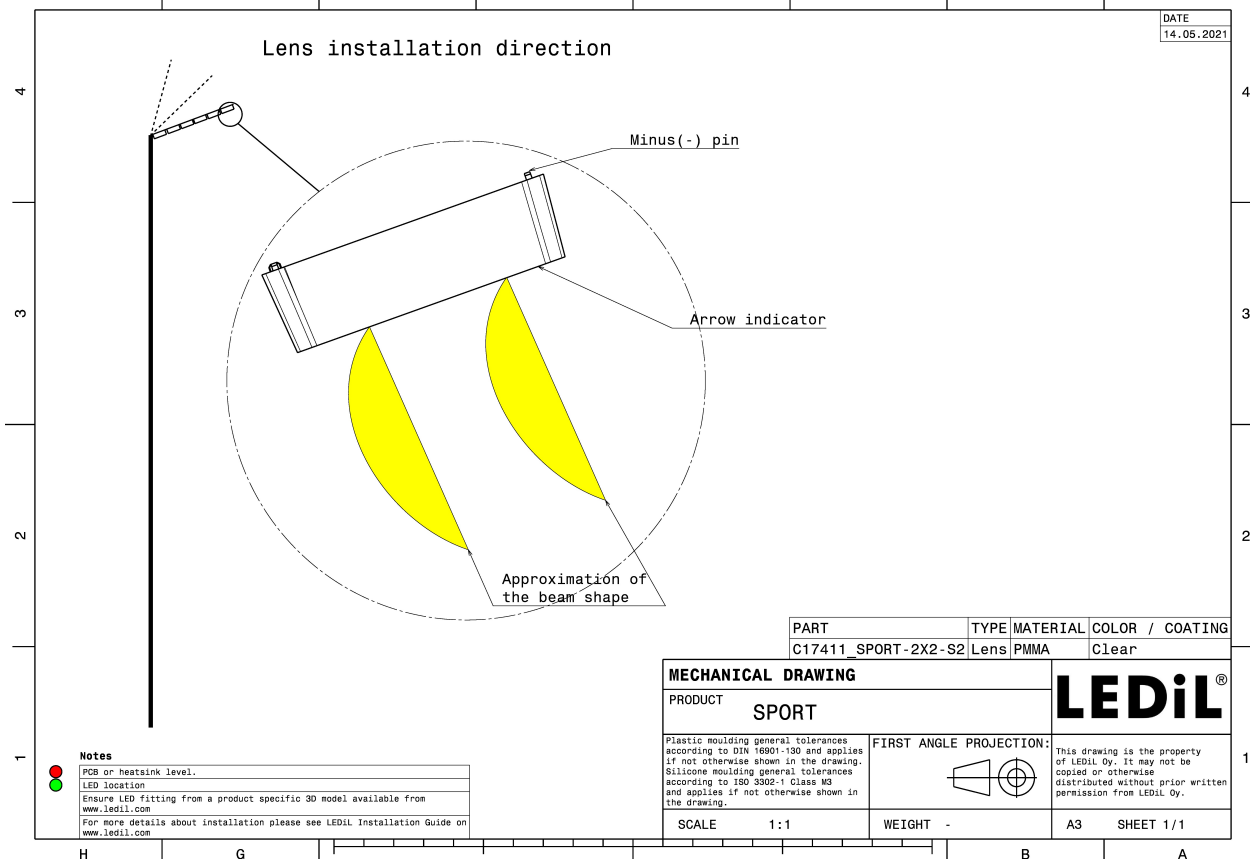
MATERIALS:

Component	Type	Material	Colour	Finish
SPORT-2X2-S2	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17411_SPORT-2X2-S2 » Box size: 480 x 280 x 300 mm	476	140	28	10.5



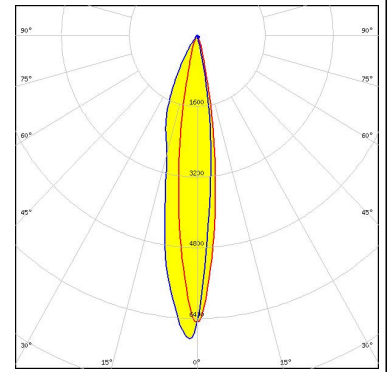


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OPTICAL RESULTS (MEASURED):

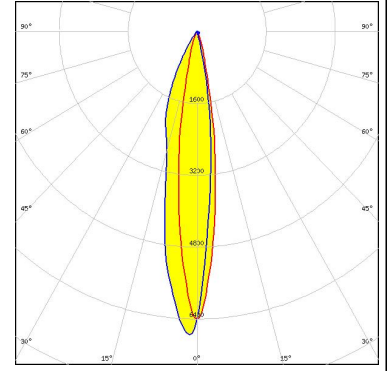


LED LUXEON HL2X
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



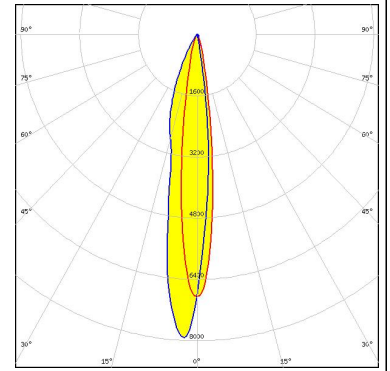
LED LUXEON HL2X
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

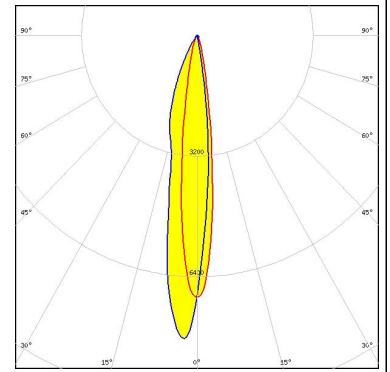


LED OSLOM Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 93 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



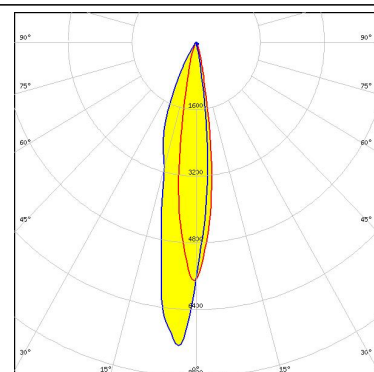
LED OSLOM Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 8.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



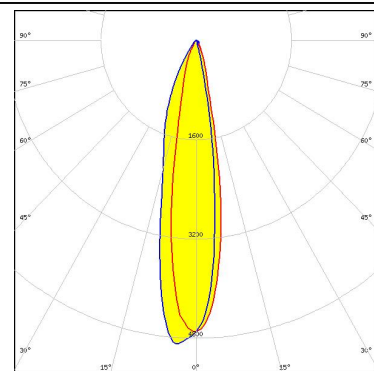
OPTICAL RESULTS (MEASURED):



LED PassivePAQ-R-222x50.OS1.9.7K-750-5 V1.0
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 7.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



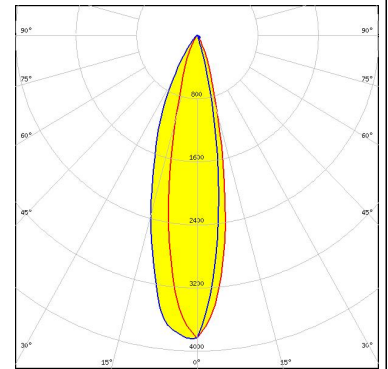
LED PassivePAQ-R-274x51-NI0-21K-857-5
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

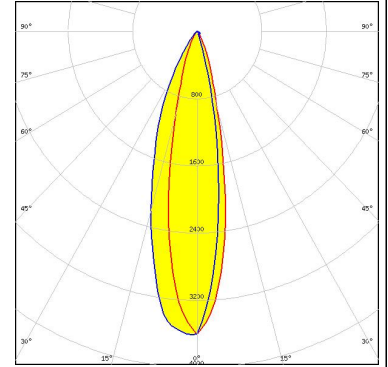


LED J Series 5050 Round LES
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 3.8 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:

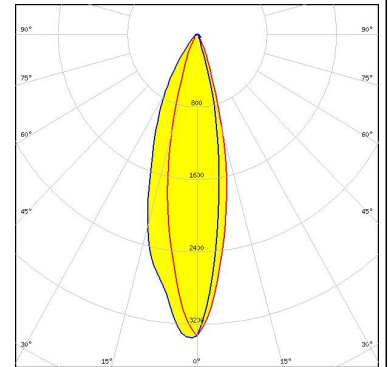


LED J Series 5050 Round LES
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 3.6 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

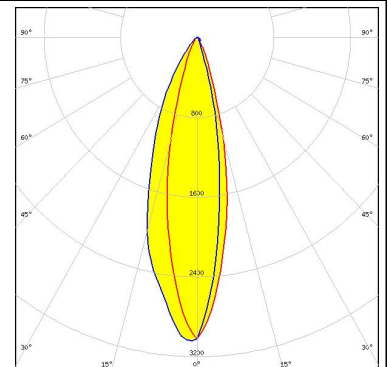


LED XHP35.2 HD
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 3.4 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:



LED XHP35.2 HD
 FWHM / FWTM Asymmetric
 Efficiency 86 %
 Peak intensity 3 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:

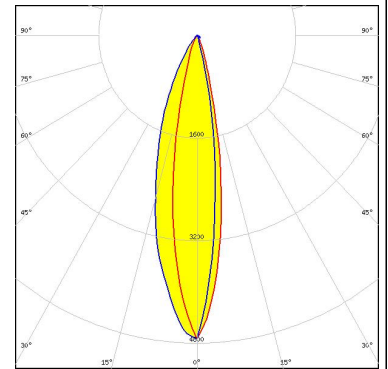
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

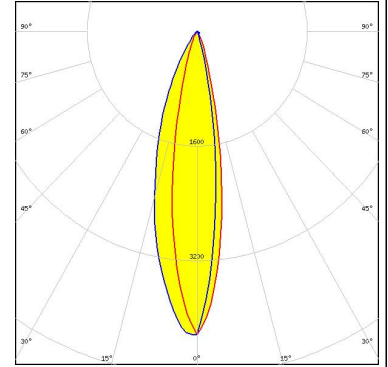


LED XHP35.2 HI
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



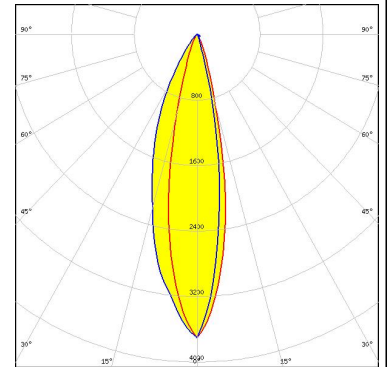
LED XHP35.2 HI
FWHM / FWTM Asymmetric
Efficiency 87 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

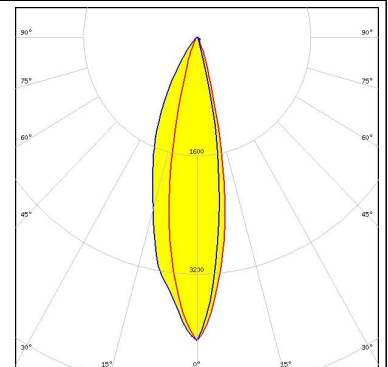


LED XM-L3
FWHM / FWTM Asymmetric
Efficiency 87 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



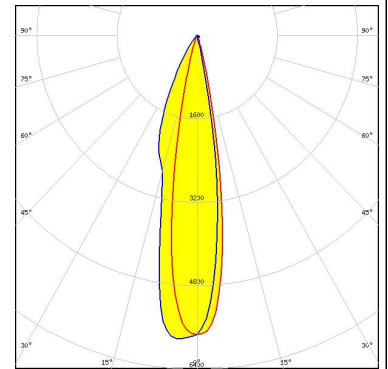
LED XM-L3
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

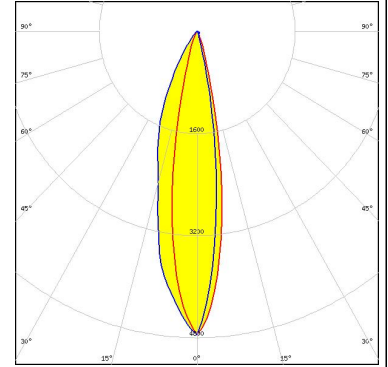


LED XP-G2 HE
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 5.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

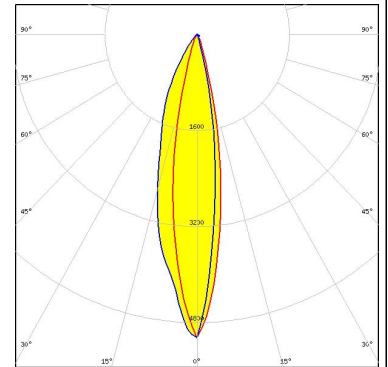


LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 90 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

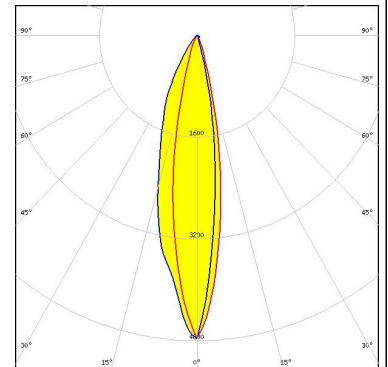


LED XP-L HD
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-L HD
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

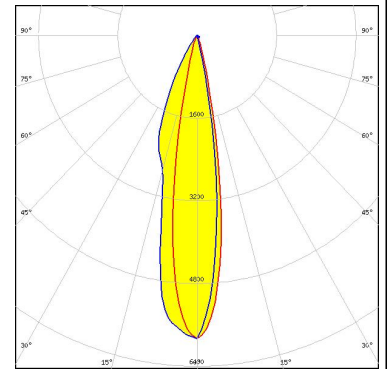
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

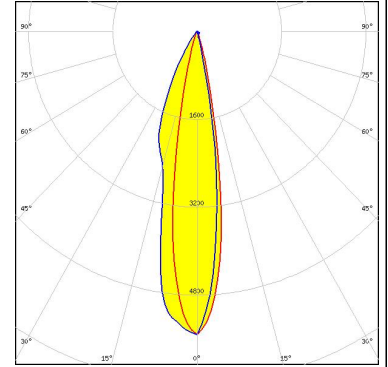


LED XP-L HI
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 5.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



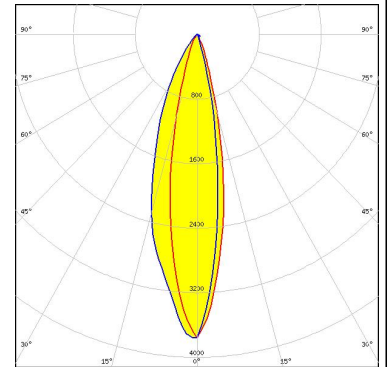
LED XP-L HI
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

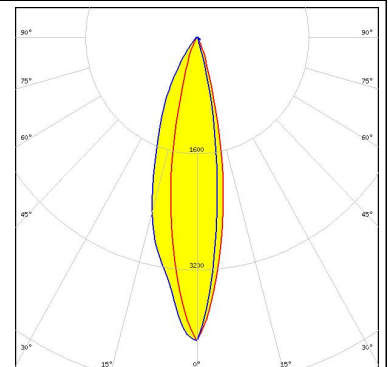


LED XP-L2
 FWHM / FWTM Asymmetric
 Efficiency 87 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



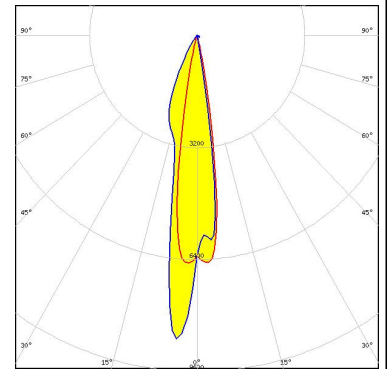
LED XP-L2
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

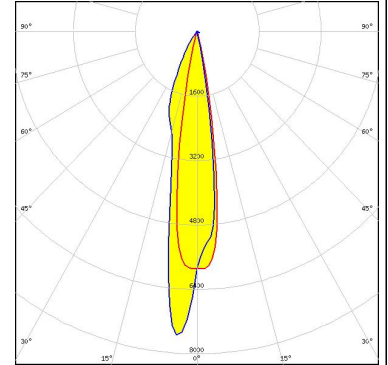


LED XP-P
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 8.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



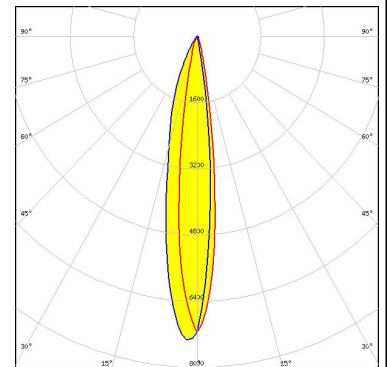
LED XP-P
FWHM / FWTM Asymmetric
Efficiency 88 %
Peak intensity 7.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

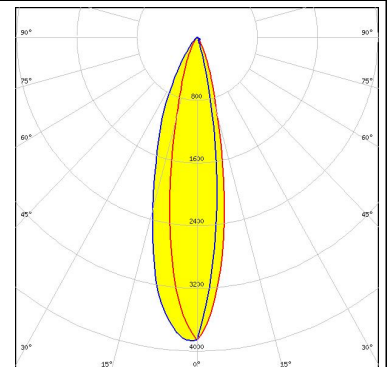


LED LUXEON 3030 2D (Round LES)
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



LED LUXEON 5050 HE
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

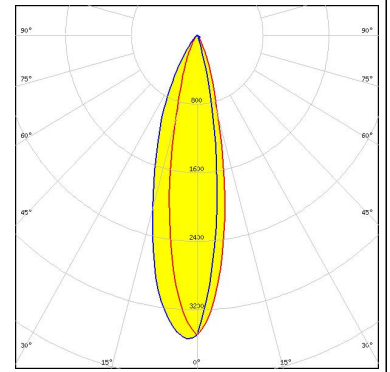


OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED LUXEON 5050 HE
FWHM / FWTM Asymmetric
Efficiency 88 %
Peak intensity 3.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:

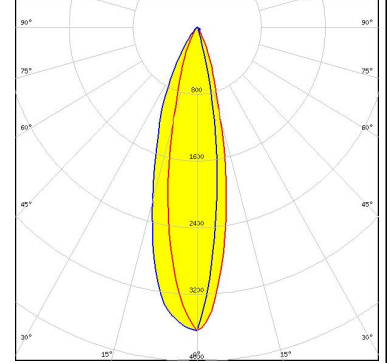
Protective plate, glass



LUMILEDS

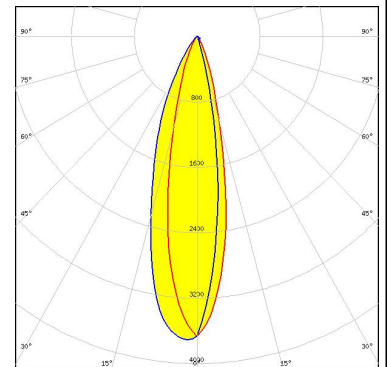
LED LUXEON 5050 Round LES
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 3.6 cd/Im
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



LUMILEDS

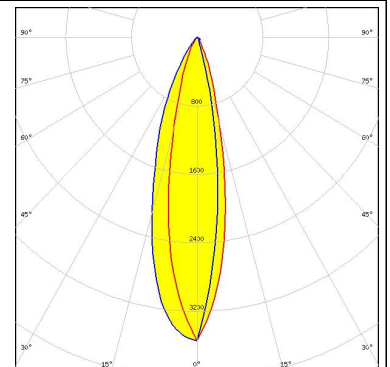
LED LUXEON 5050 Square LES
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 3.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

LED LUXEON 5050 Square LES
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 3.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:

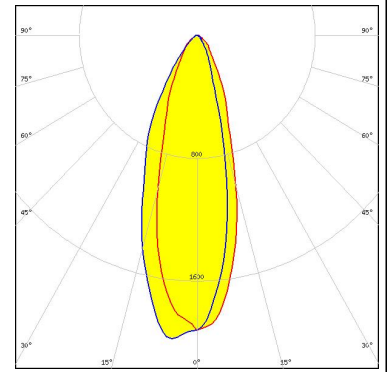
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

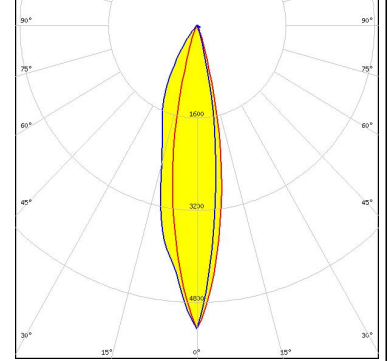
LUMILEDS

LED LUXEON 7070
FWHM / FWTM Asymmetric
Efficiency 95 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

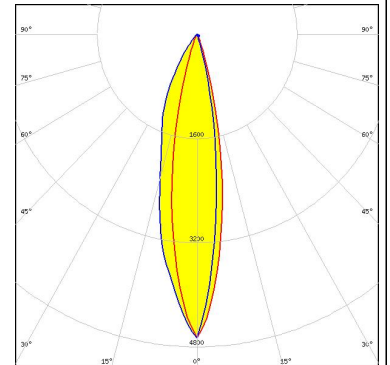
LED LUXEON XR-HL2X (L2H2-xxxxxxMLU010)
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

LED LUXEON XR-HL2X (L2H2-xxxxxxMLU010)
FWHM / FWTM Asymmetric
Efficiency 88 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

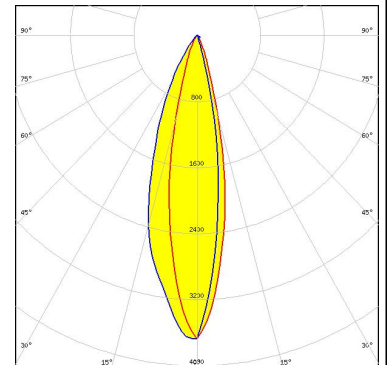
Protective plate, glass



LUMINUS

LED SST-70X-WCS
FWHM / FWTM Asymmetric
Efficiency 88 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

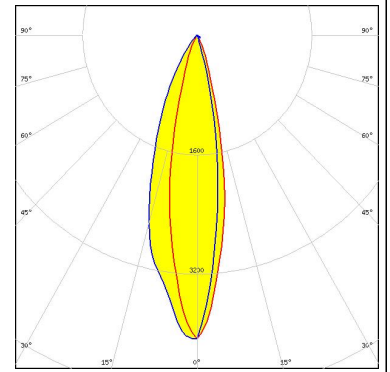
Protective plate, glass



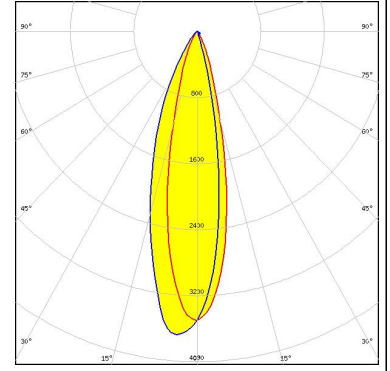
OPTICAL RESULTS (SIMULATED):



LED SST-70X-WCS
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

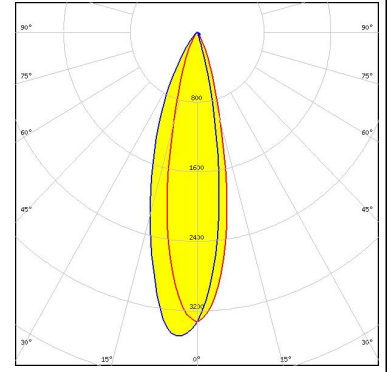


LED NFMW48xA
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



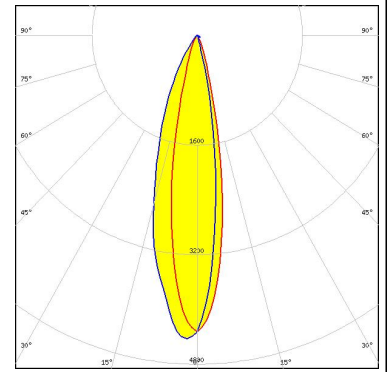
LED NFMW48xA
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



LED NV4WB35AM
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

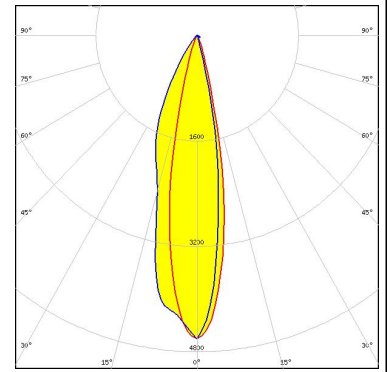


OPTICAL RESULTS (SIMULATED):



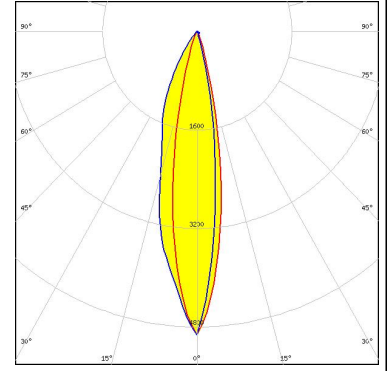
LED NVSW219F
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



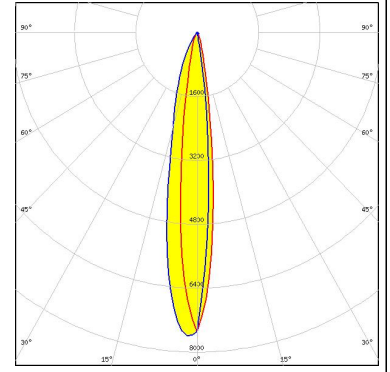
LED NVSW3x9A
FWHM / FWTM Asymmetric
Efficiency 90 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



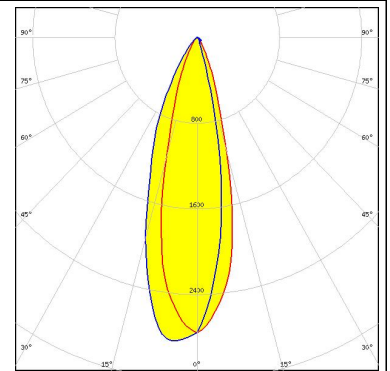
LED NVSxE21A
FWHM / FWTM Asymmetric
Efficiency 88 %
Peak intensity 7.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



LED Duris S8
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

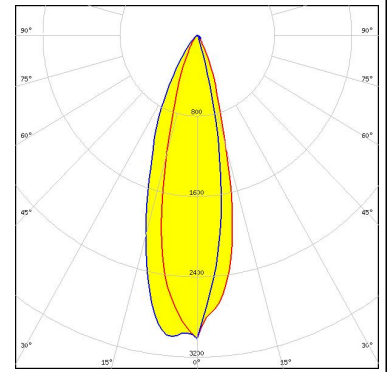


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

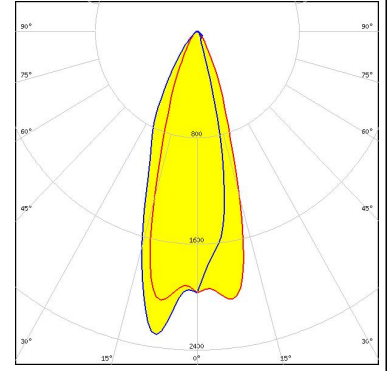
LED Duris S8
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED OSCONIQ C 2424
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 2.3 cd/lm
LEDs/each optic 4
Light colour White
Required components:

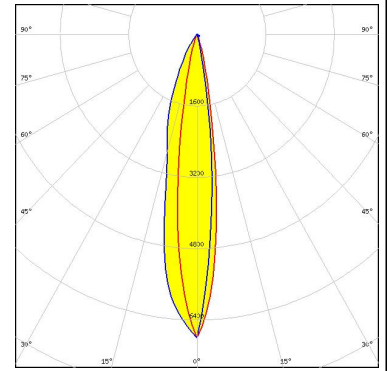


OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

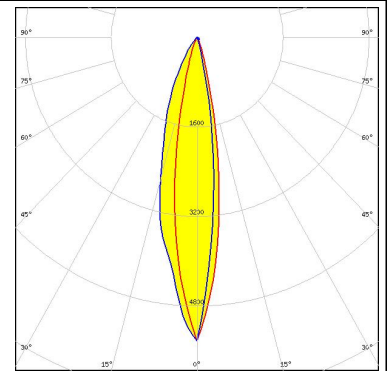


OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 5.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

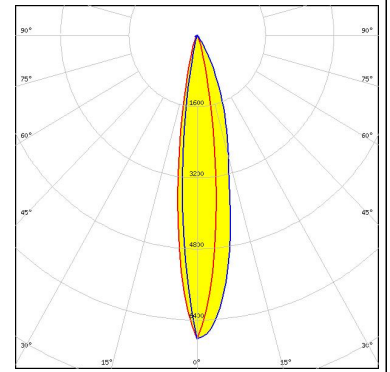


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 Flat
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

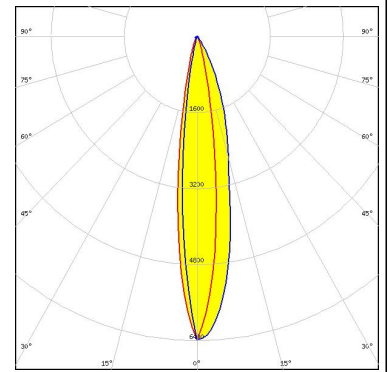


OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 Flat
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

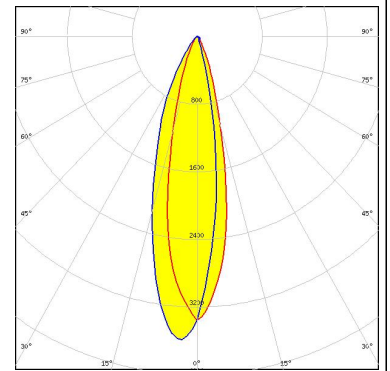
Protective plate, glass



OSRAM

Opto Semiconductors

LED OSCONIQ S 5050
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

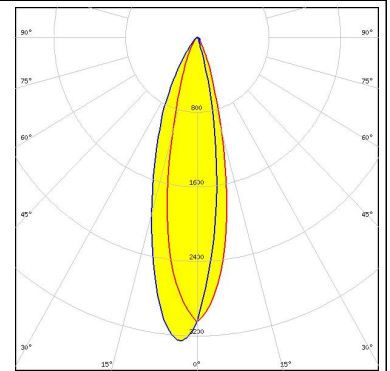


OSRAM

Opto Semiconductors

LED OSCONIQ S 5050
FWHM / FWTM Asymmetric
Efficiency 88 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

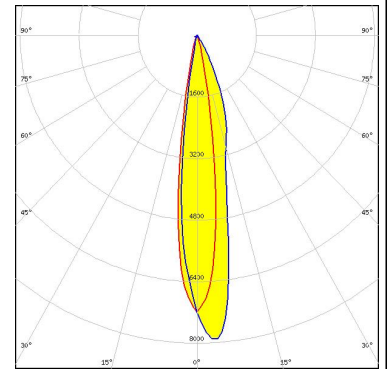


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSLON Square Flat
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

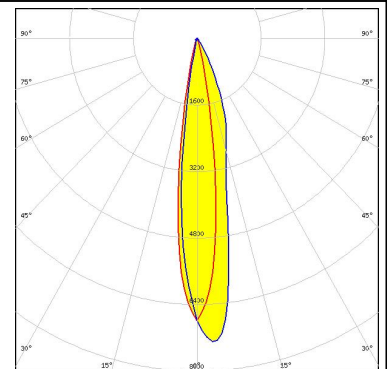


OSRAM

Opto Semiconductors

LED OSLON Square Flat
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

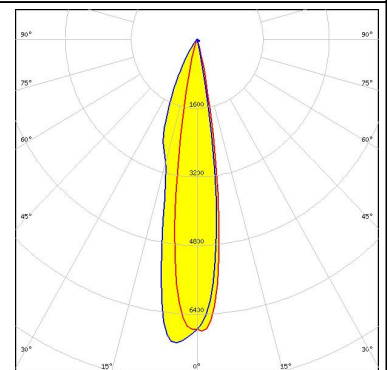
Protective plate, glass



OSRAM

Opto Semiconductors

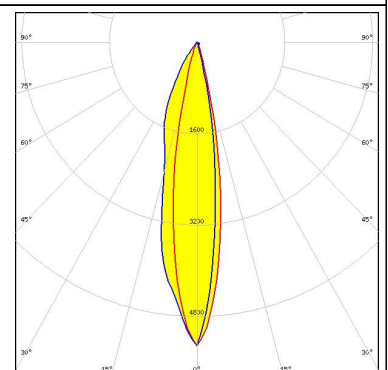
LED OSTAR Projection Compact (KW.CSLNM1.TG)
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED LH351B
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

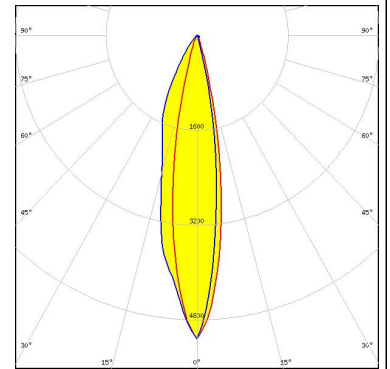


OPTICAL RESULTS (SIMULATED):

SAMSUNG

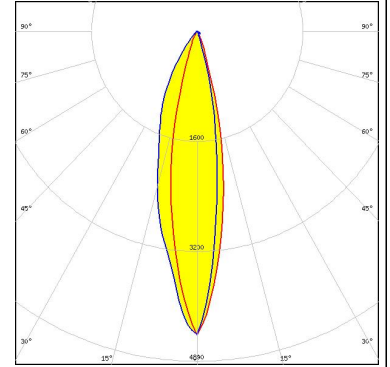
LED LH351C
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



SAMSUNG

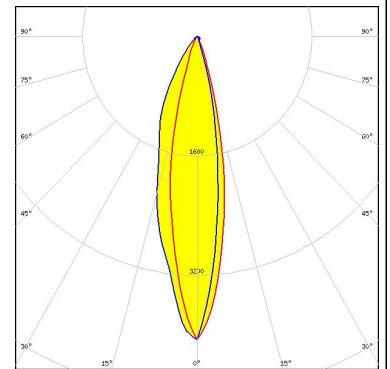
LED LH351D
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

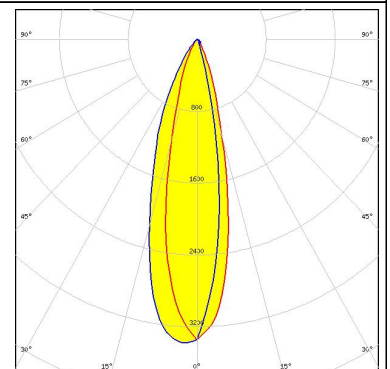
LED LH351D
FWHM / FWTM Asymmetric
Efficiency 90 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



SAMSUNG

LED LH502C
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

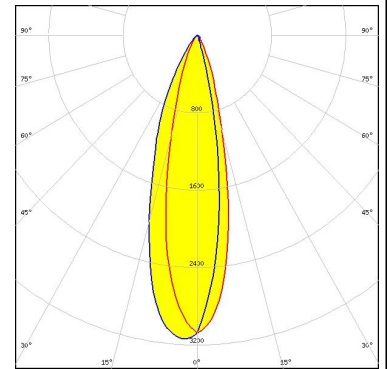


OPTICAL RESULTS (SIMULATED):

SAMSUNG

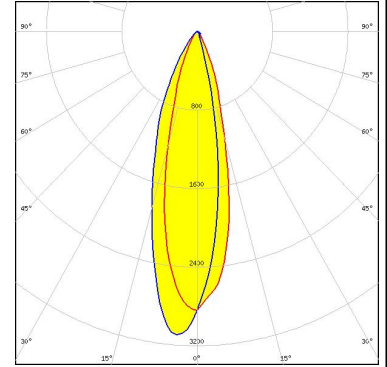
LED LH502C
FWHM / FWTM Asymmetric
Efficiency 89 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



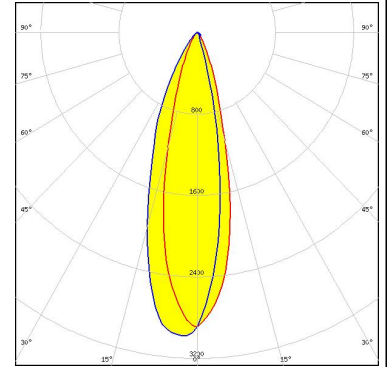
LED MJT 5050
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

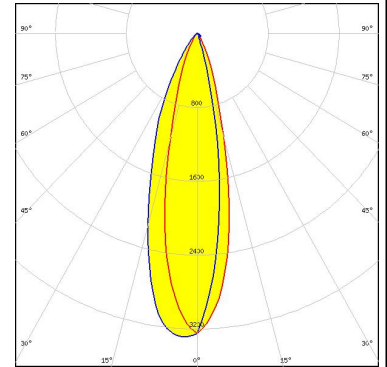


LED SEOUL DC 5050 6V
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

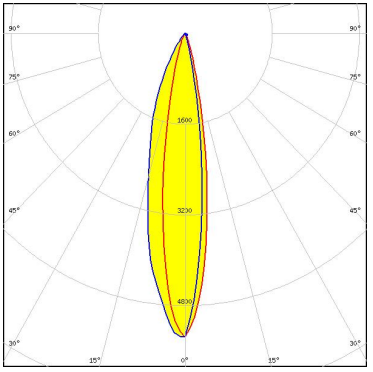
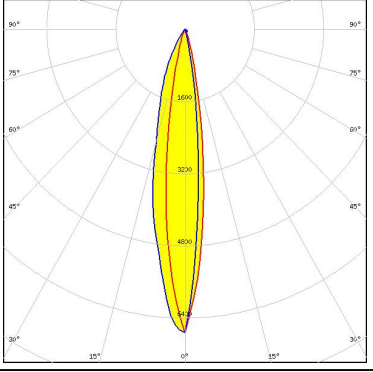
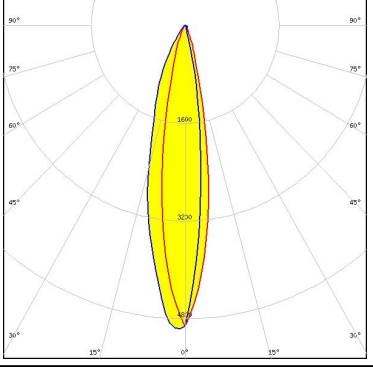
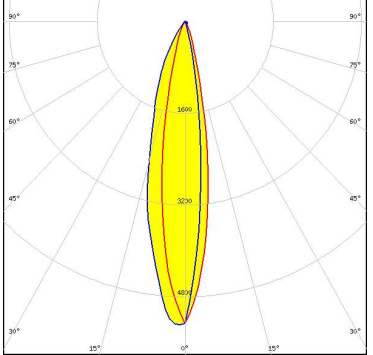
Protective plate, glass



LED SEOUL DC 5050 6V
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 5.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M4</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 6.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M5</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M5</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 96 %</p> <p>Peak intensity 5.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):



GENERAL INFORMATION:

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

MATERIALS:

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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
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