

IRIS-SCREW

~5° real spot beam with holder optimized for CREE XP-E. Assembly with screws.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 38.0 mm
Height	26.9 mm
Fastening	glue, pin, screw
ROHS compliant	yes ⓘ

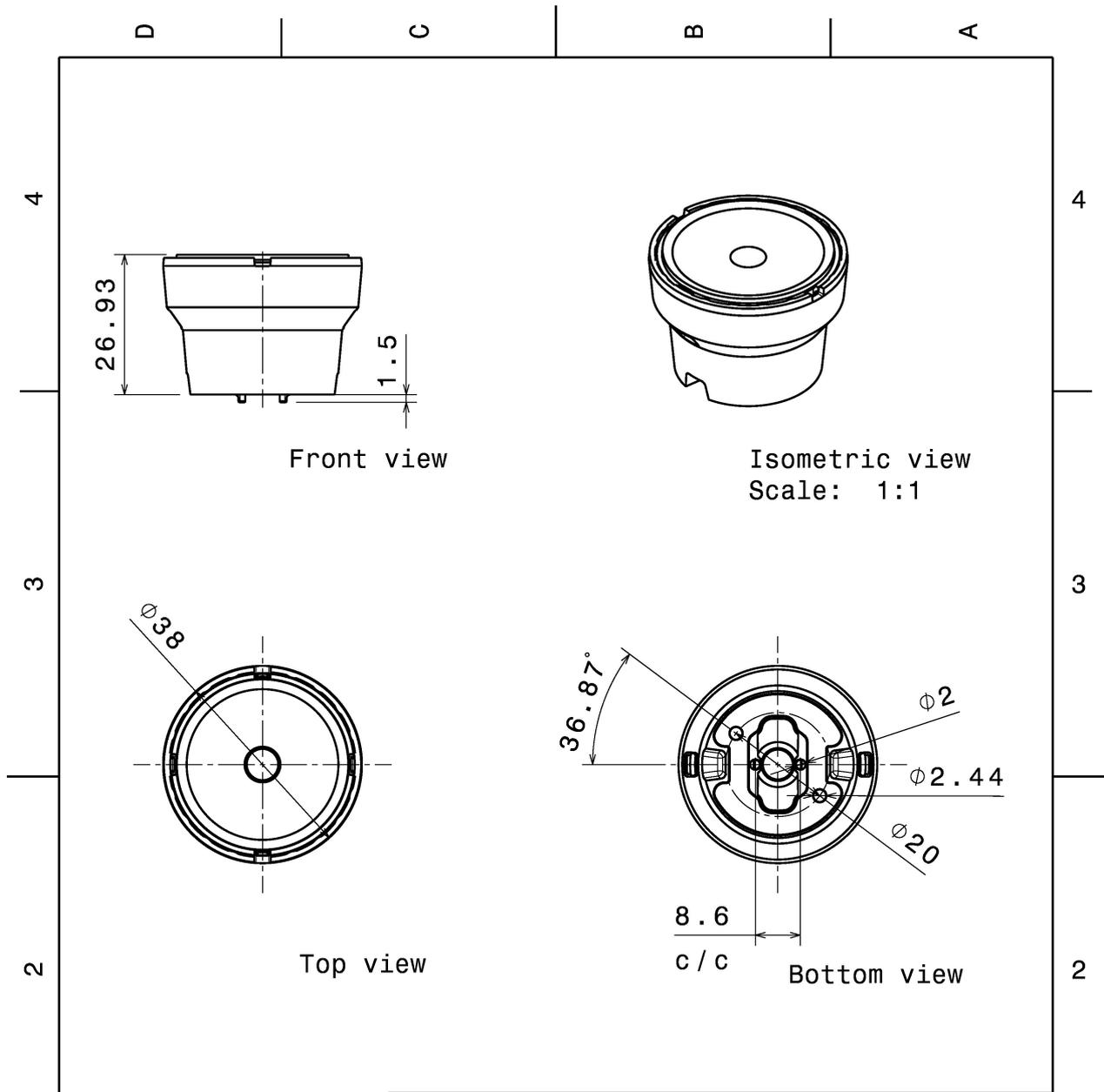


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
IRIS	Single lens	PMMA	clear	
IRIS-XP-HLD	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCN12076_IRIS-SCREW	Single lens	360		90	0.0
» Box size:					



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F12075	IRIS	PMMA	clear
2	C12202	IRIS-XP-HLD	PC	black

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

LEDiL Ledil Oy
Joensuunkatu 13
FIN 24100 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
FCN12076_IRIS-SCREW

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SIZE	PART NUMBER
A4	FCN12076

SCALE	1:1	WEIGHT	19,2 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

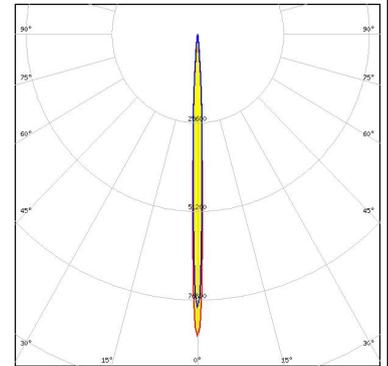
CREE → LED

LED XHP35 HI
 FWHM / FWTM 7.6° / 17.0°
 Efficiency 90 %
 Peak intensity 35.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



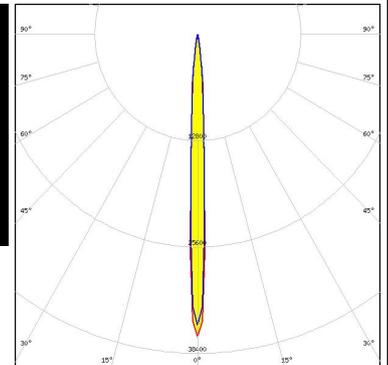
CREE → LED

LED XP-E
 FWHM / FWTM 4.0° / 9.0°
 Efficiency 93 %
 Peak intensity 87.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



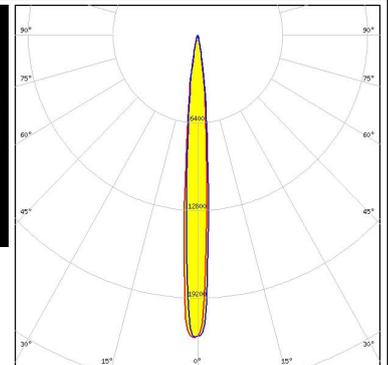
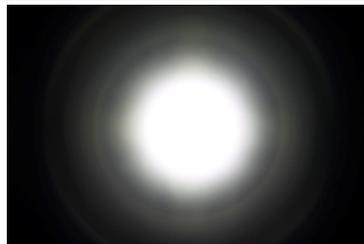
CREE → LED

LED XP-G
 FWHM / FWTM 5.0° / 13.0°
 Efficiency 93 %
 Peak intensity 52 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE → LED

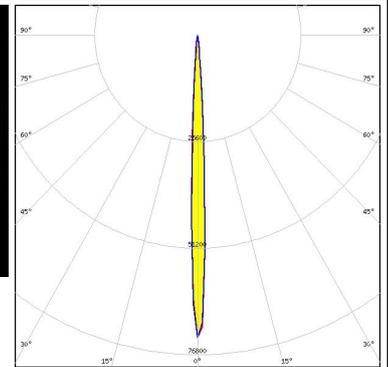
LED XP-L HD
 FWHM / FWTM 8.5° / 20.0°
 Efficiency 93 %
 Peak intensity 22.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

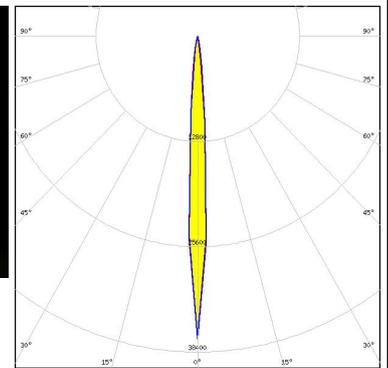
LUMILEDS

LED LUXEON Rebel
 FWHM / FWTM 5.0° / 9.0°
 Efficiency 93 %
 Peak intensity 75.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



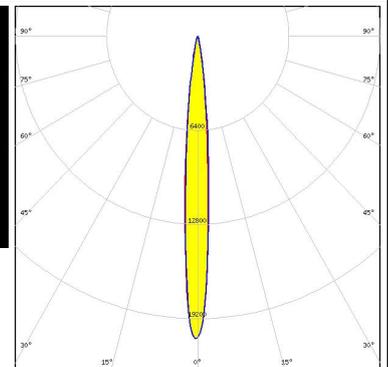
LUMILEDS

LED LUXEON Rebel ES
 FWHM / FWTM 7.0° / 14.0°
 Efficiency 93 %
 Peak intensity 38.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



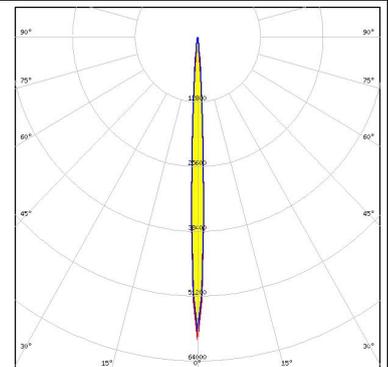
LUMILEDS

LED LUXEON V
 FWHM / FWTM 9.0° / 20.0°
 Efficiency 92 %
 Peak intensity 20.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

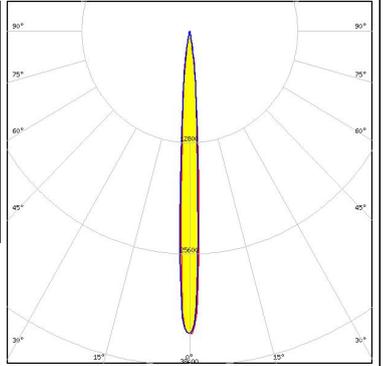
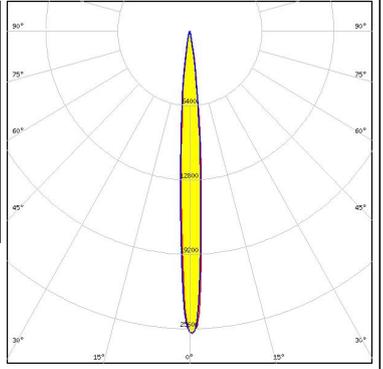
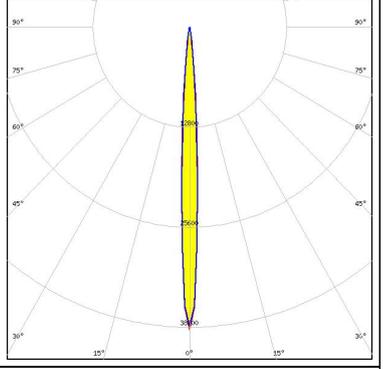
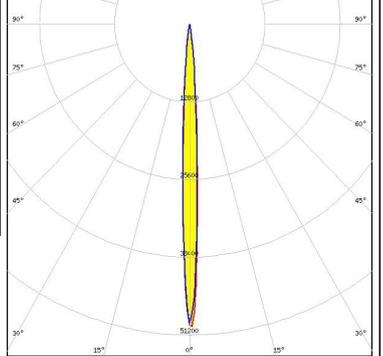


NICHIA

LED NCSxx19A
 FWHM / FWTM 5.0° / 11.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

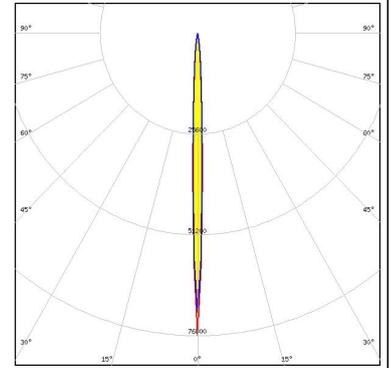
<p>NICHIA</p> <p>LED NVSW219F</p> <p>FWHM / FWTM 7.0° / 17.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 34.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSW3x9A</p> <p>FWHM / FWTM 8.0° / 18.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 26.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19A</p> <p>FWHM / FWTM 6.0° / 14.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 38.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 6.0° / 13.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 49.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

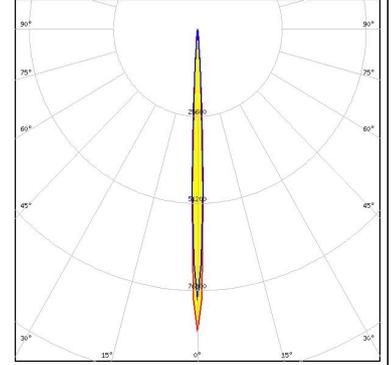
LED OSLON SSL 150
 FWHM / FWTM 4.0° / 11.0°
 Efficiency 93 %
 Peak intensity 76.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

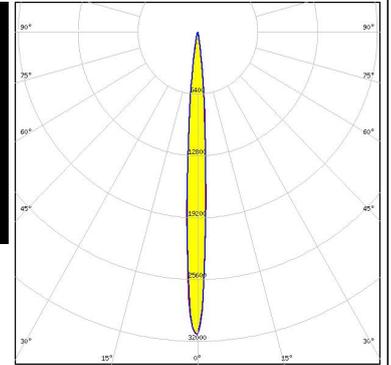
Opto Semiconductors

LED OSLON SSL 80
 FWHM / FWTM 4.0° / 9.0°
 Efficiency 90 %
 Peak intensity 89 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

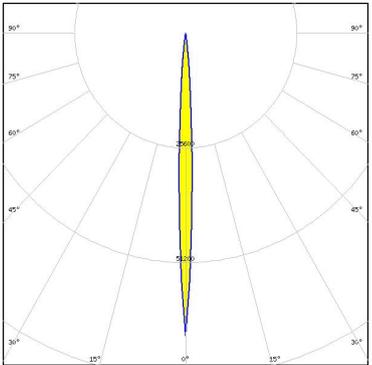
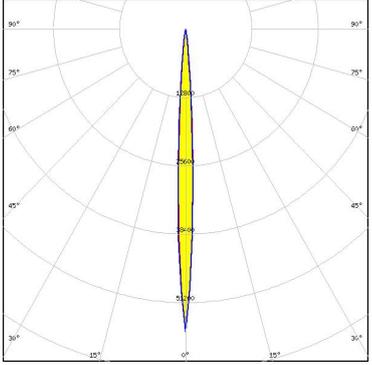
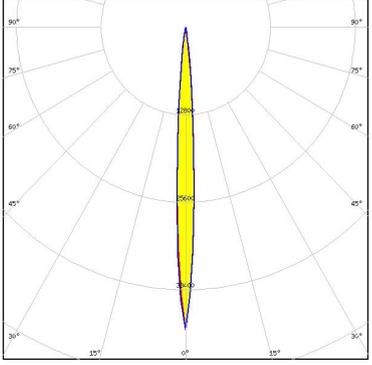
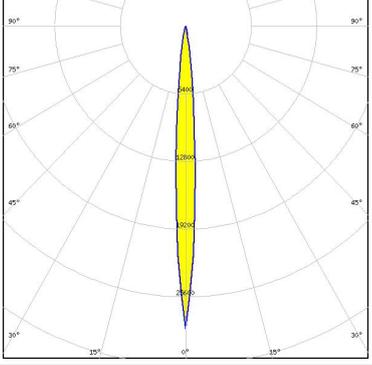
LED Z5M3
 FWHM / FWTM 7.0° / 16.0°
 Efficiency 92 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

<p>CREE → LED</p> <p>LED: XD16 FWHM / FWTM: 6.0° / 14.0° Efficiency: 91 % Peak intensity: 47.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XHP35 HD FWHM / FWTM: 10.0° / 22.0° Efficiency: 93 % Peak intensity: 18.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XHP35.2 FWHM / FWTM: 8.0° / 18.0° Efficiency: 90 % Peak intensity: 24.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XHP35.2 FWHM / FWTM: 12.0° / 25.0° Efficiency: 86 % Peak intensity: 13.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

	<p>LED: XP-E2 FWHM / FWTM: 6.0° / 12.0° Efficiency: 93 % Peak intensity: 67.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XP-E2 FWHM / FWTM: 5.9° / 13.0° Efficiency: 94 % Peak intensity: 56.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XP-G2 FWHM / FWTM: 6.7° / 15.0° Efficiency: 94 % Peak intensity: 44.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XP-G2 HE FWHM / FWTM: 8.0° / 18.0° Efficiency: 90 % Peak intensity: 28.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

<p>CREE LED</p> <p>LED: XP-G3 FWHM / FWTM: 7.5° / 18.0° Efficiency: 91 % Peak intensity: 29.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE LED</p> <p>LED: XQ-E HD FWHM / FWTM: 5.5° / 12.0° Efficiency: 94 % Peak intensity: 74.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE LED</p> <p>LED: XQ-E HD FWHM / FWTM: 5.0° / 11.5° Efficiency: 93 % Peak intensity: 80 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: OSCONIQ P 3737 (2W version) FWHM / FWTM: 6.5° / 13.0° Efficiency: 94 % Peak intensity: 46.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

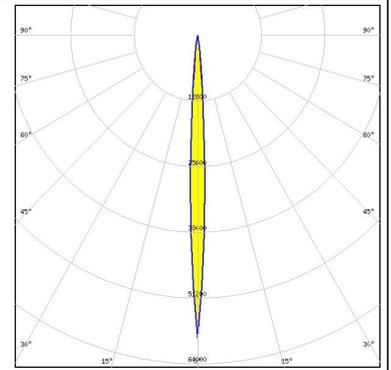
PHOTOMETRIC DATA (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED: OSCONIQ P 3737 (3W version)</p> <p>FWHM / FWTM: 9.0° / 19.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 25.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: SFH 4716AS</p> <p>FWHM / FWTM: 6.0° / 12.0°</p> <p>Efficiency: 94 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: IR</p> <p>Required components:</p>	
<p>SAMSUNG</p> <p>LED: LH351B</p> <p>FWHM / FWTM: 7.4° / 17.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 33.9 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>SAMSUNG</p> <p>LED: LH351D</p> <p>FWHM / FWTM: 9.2° / 21.0°</p> <p>Efficiency: 90 %</p> <p>Peak intensity: 20.6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

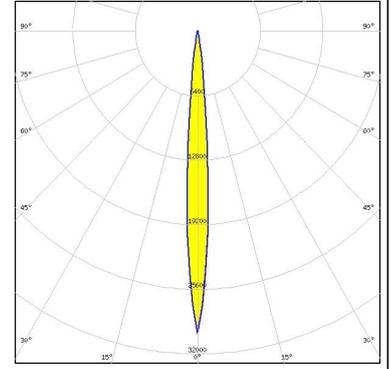
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LM101B
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 92 %
 Peak intensity 58.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR
 LED Z8Y22P
 FWHM / FWTM 8.0°
 Efficiency 98 %
 Peak intensity 29.9 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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