

IRIS

~10° spot beam with holder

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 38.0 mm
Height	28.5 mm
Fastening	glue, screw
ROHS compliant	yes ⓘ

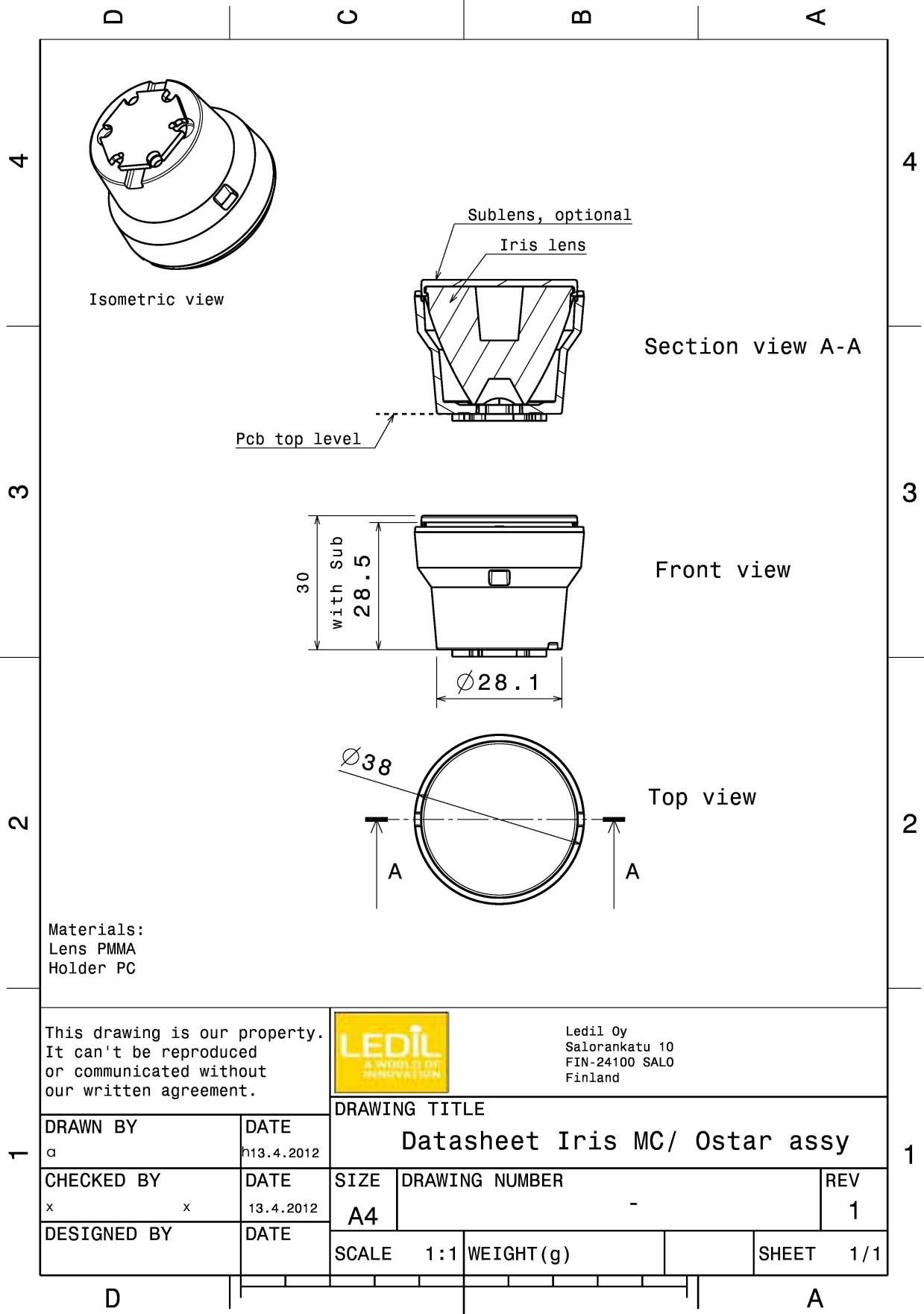
MATERIAL SPECIFICATIONS:

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




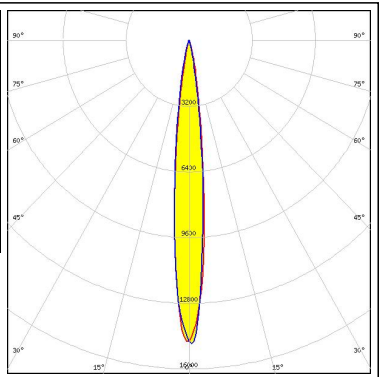

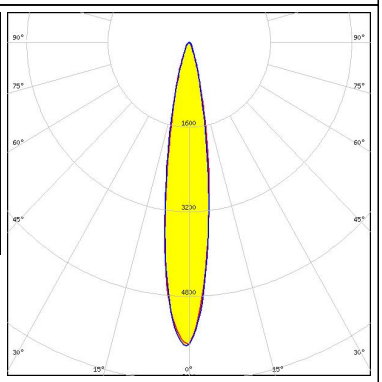

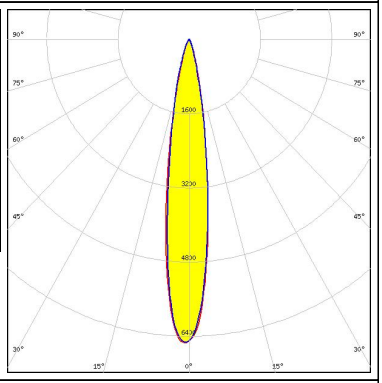

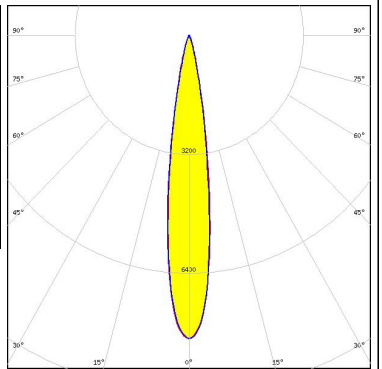
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CN10861_IRIS	Single lens	580	116	116	0.0
» Box size:					



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

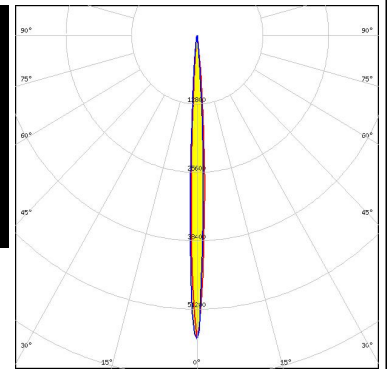
PHOTOMETRIC DATA (MEASURED):

<p>CREE → LED</p> <p>LED MC-E FWHM / FWTM 11.0° / 24.0° Efficiency 89 % Peak intensity 15 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED MHD-E/G FWHM / FWTM 17.0° / 37.0° Efficiency 91 % Peak intensity 5.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XHP50 FWHM / FWTM 16.0° / 33.0° Efficiency 81 % Peak intensity 6.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XHP50.2 FWHM / FWTM 16.0° / 30.0° Efficiency 83 % Peak intensity 8.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

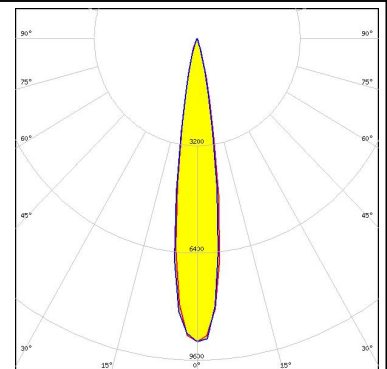
LUMILEDS

LED LUXEON CZ
 FWHM / FWTM 5.0° / 11.0°
 Efficiency 80 %
 Peak intensity 57 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



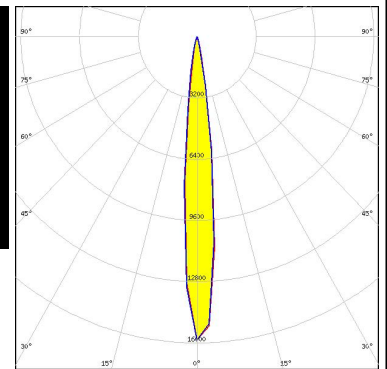
LUMILEDS

LED LUXEON M/MX
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 87 %
 Peak intensity 9.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



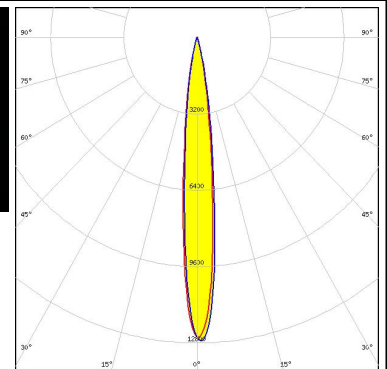
LUMILEDS

LED LUXEON MZ
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 82 %
 Peak intensity 15.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

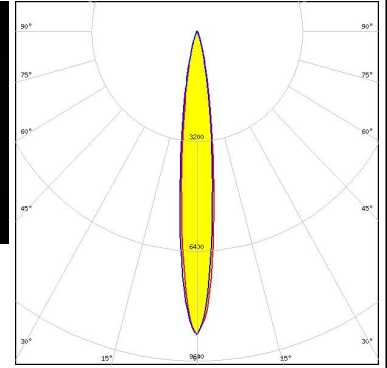
LED NFMW48xA
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 84 %
 Peak intensity 12.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

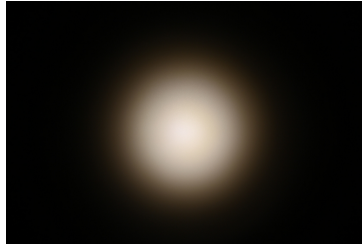
OSRAM Opto Semiconductors

LED Duris S10
 FWHM / FWTM 13.0° / 29.0°
 Efficiency 79 %
 Peak intensity 8.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM Opto Semiconductors

LED Duris S8
 FWHM / FWTM 11.0° / 24.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:


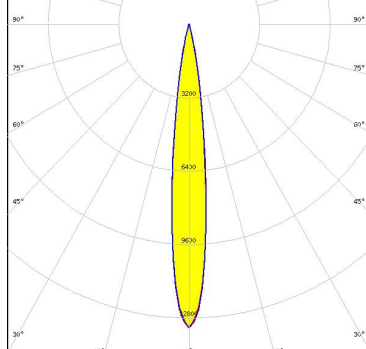

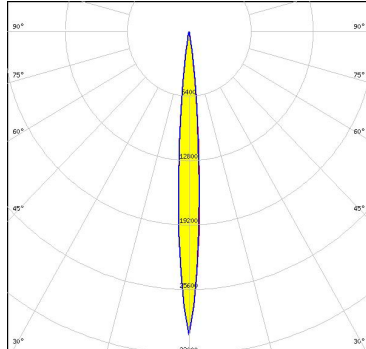

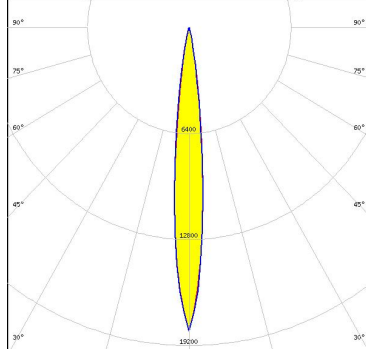

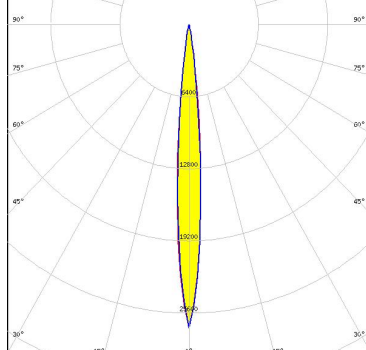


SEOL SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
 FWHM / FWTM 7.0° / 14.0°
 Efficiency 83 %
 Peak intensity 40.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



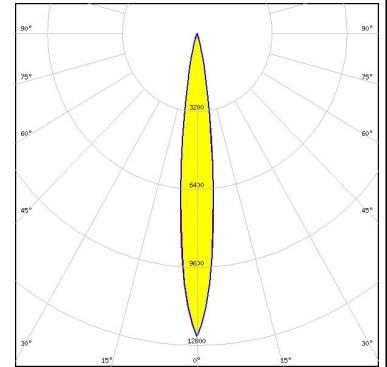
PHOTOMETRIC DATA (SIMULATED):

<p> bridgelux.</p> <p>LED: Bridgelux SMD 5050 FWHM / FWTM: 13.0° / 25.0° Efficiency: 91 % Peak intensity: 13.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> CREE LED</p> <p>LED: XD16 FWHM / FWTM: 8.0° / 16.0° Efficiency: 82 % Peak intensity: 30.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> CREE LED</p> <p>LED: XHP35 HD FWHM / FWTM: 11.0° / 22.0° Efficiency: 91 % Peak intensity: 18.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> CREE LED</p> <p>LED: XHP35 HI FWHM / FWTM: 10.0° / 18.0° Efficiency: 90 % Peak intensity: 26.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

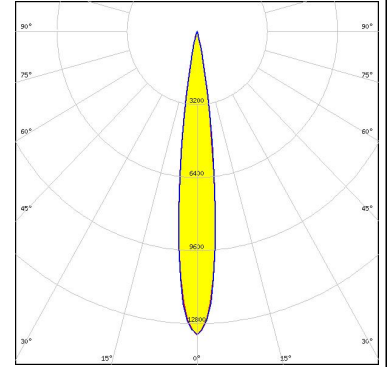
PHOTOMETRIC DATA (SIMULATED):



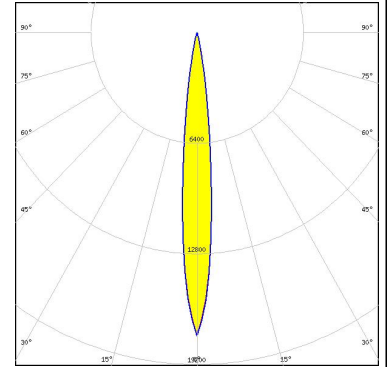
LED XHP35.2
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 87 %
 Peak intensity 12.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XHP50.3 HD
 FWHM / FWTM 14.0° / 24.0°
 Efficiency 87 %
 Peak intensity 13.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XHP50.3 HI
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 88 %
 Peak intensity 17.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

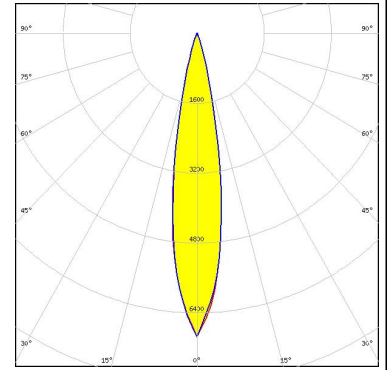


LED XHP70.2
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 84 %
 Peak intensity 5.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

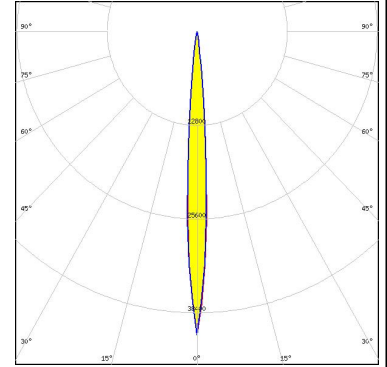
PHOTOMETRIC DATA (SIMULATED):



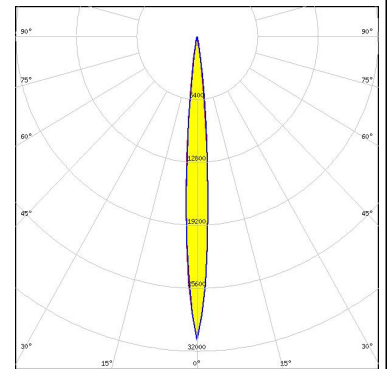
LED XHP70.3
 FWHM / FWTM 18.0° / 34.0°
 Efficiency 86 %
 Peak intensity 7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-E2
 FWHM / FWTM 8.0° / 14.0°
 Efficiency 90 %
 Peak intensity 41.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 8.0° / 17.0°
 Efficiency 88 %
 Peak intensity 30.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

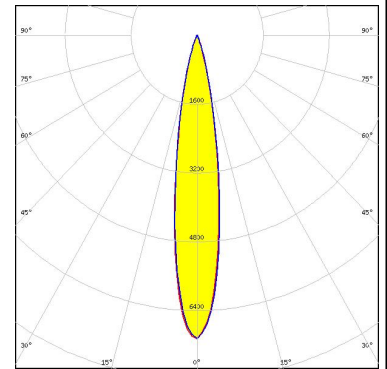


LED LUXEON 5258
 FWHM / FWTM 11.0° / 22.0°
 Efficiency 89 %
 Peak intensity 17.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

PHOTOMETRIC DATA (SIMULATED):

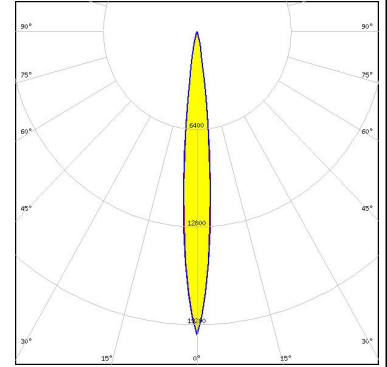
LUMILEDS

LED LUXEON 7070
 FWHM / FWTM 18.0° / 34.0°
 Efficiency 86 %
 Peak intensity 7.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



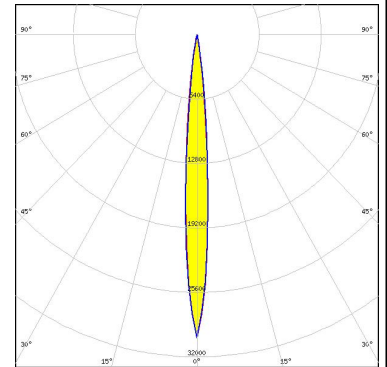
LUMINUS

LED SST-40
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 90 %
 Peak intensity 19.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



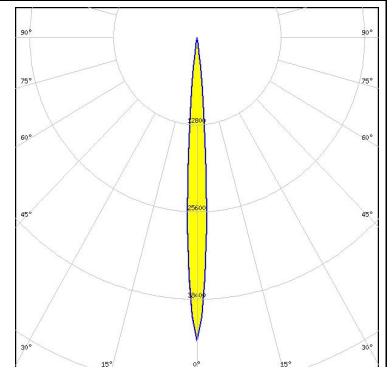
NICHIA

LED NF2x757G
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 91 %
 Peak intensity 30.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM Opto Semiconductors

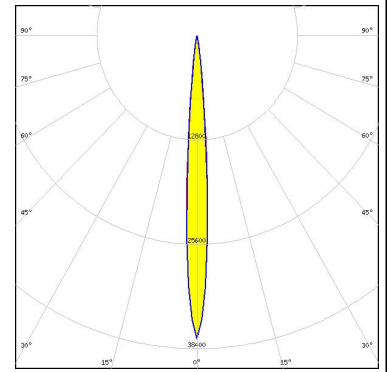
LED KW HHL532.TK
 FWHM / FWTM 8.0° / 14.0°
 Efficiency 88 %
 Peak intensity 44.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

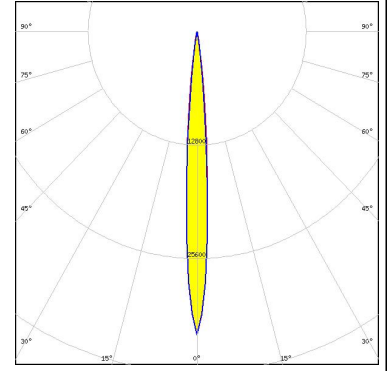
OSRAM Opto Semiconductors

LED KW2 CFLNM2.TK
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 89 %
 Peak intensity 37.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



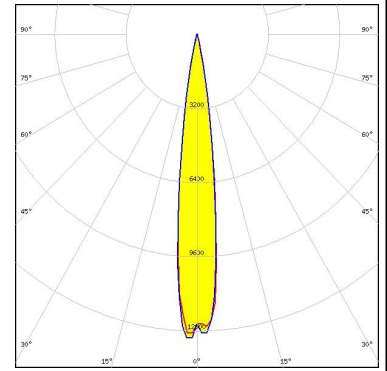
OSRAM Opto Semiconductors

LED KW2 HIL532.TK
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 88 %
 Peak intensity 34.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



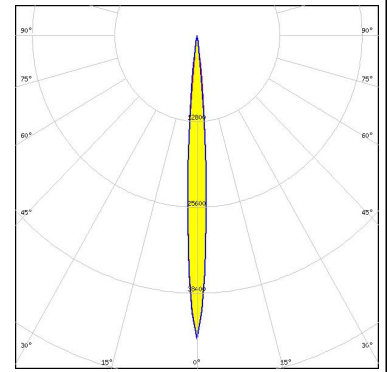
OSRAM Opto Semiconductors

LED OSCONIQ P 7070
 FWHM / FWTM 14.0° / 23.0°
 Efficiency 87 %
 Peak intensity 13.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM Opto Semiconductors

LED OSLOK Black Flat
 FWHM / FWTM 8.0° / 14.0°
 Efficiency 88 %
 Peak intensity 45.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

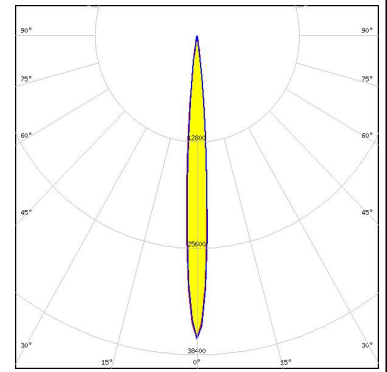


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

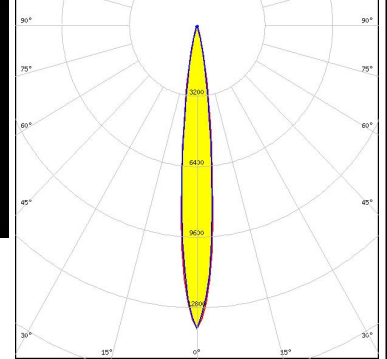
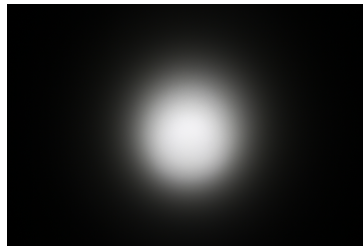
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 7.9° / 16.0°
 Efficiency 89 %
 Peak intensity 36.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

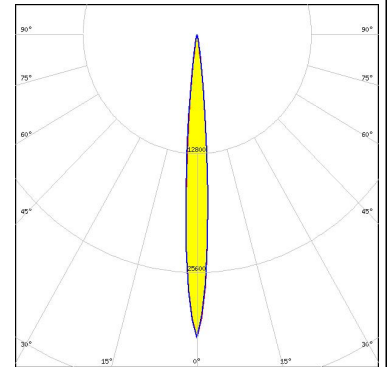
LED OSLON Square Flat
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 87 %
 Peak intensity 13.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED SFH 4715AS
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 89 %
 LEDs/each optic 1
 Light colour IR
 Required components:



OSRAM

Opto Semiconductors

LED SFH 4716AS
 FWHM / FWTM 8.0° / 15.0°
 Efficiency 88 %
 LEDs/each optic 1
 Light colour IR
 Required components:

PHOTOMETRIC DATA (SIMULATED):

OSRAM <small>Opto Semiconductors</small>	<p>LED SFH 4717AS FWHM / FWTM 10.0° / 19.0° Efficiency 87 % LEDs/each optic 1 Light colour IR Required components:</p>		
OSRAM <small>Opto Semiconductors</small>	<p>LED SFH 4770S FWHM / FWTM 8.1° / 16.6° Efficiency 91 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour IR Required components:</p>		
 <small>SEOUL SEMICONDUCTOR</small>	<p>LED Z8Y22P FWHM / FWTM 6.0° Efficiency 89 % Peak intensity 43.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
 <small>SEOUL SEMICONDUCTOR</small>	<p>LED Z8Y50P FWHM / FWTM 16.0° / 30.0° Efficiency 84 % Peak intensity 9.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (SIMULATED):

	
SEOUL SEMICONDUCTOR	
LED	Z8Y50P
FWHM / FWTM	16.0° / 28.0°
Efficiency	84 %
Peak intensity	9.4 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:

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy

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