

IRIS

~10° spot beam with holder

SPECIFICATION:

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

MATERIALS:

Component	Type
C10781_IRIS	Single lens
C10860_IRIS-HLD	Holder



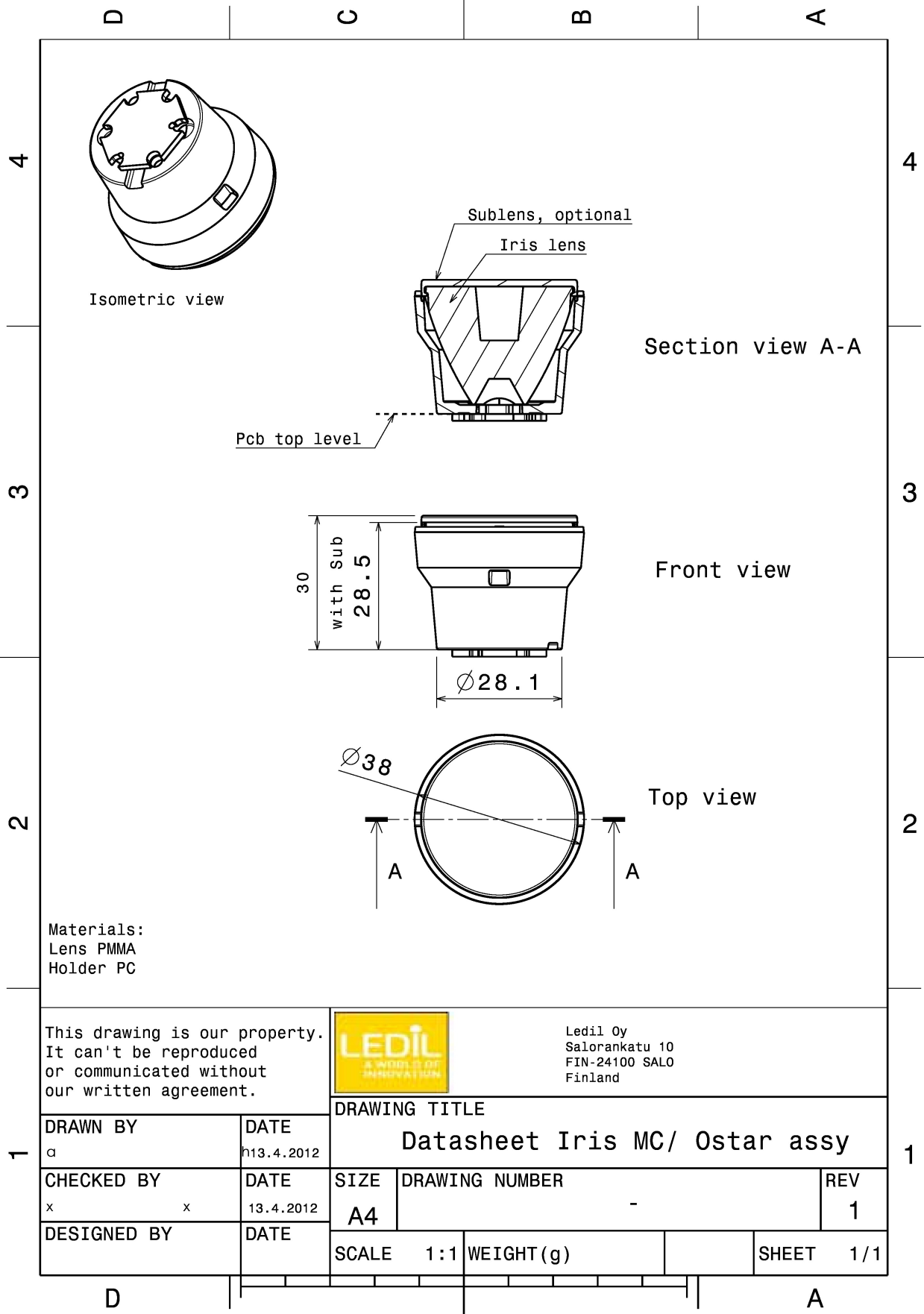
LEDiL [®]	Material	Colour	Finish
	PMMA	clear	
	PC	black	

ORDERING INFORMATION:

Quantities for one set:


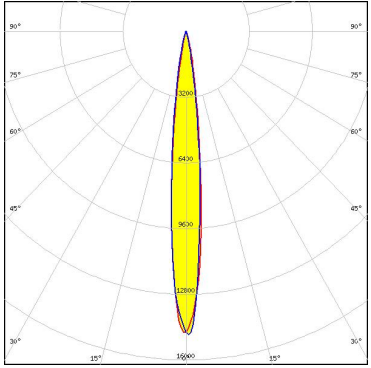

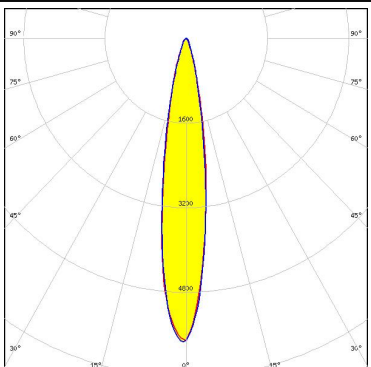

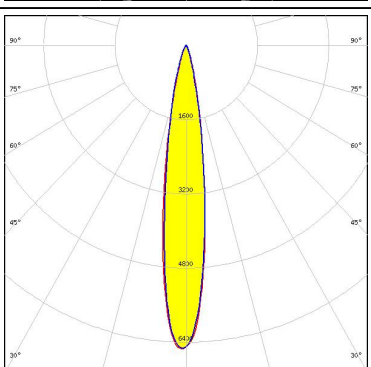

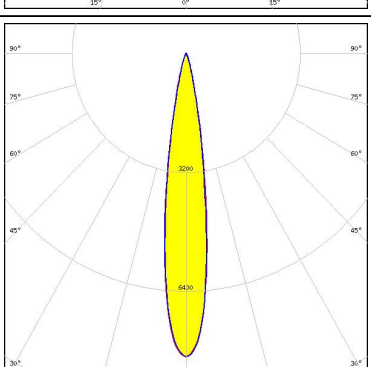
Single lens	1
Holder	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C10781_IRIS	Single lens	580	116	58	9.0
» Box size: 480 x 280 x 300 mm					
C10860_IRIS-HLD	Holder	1044	116	29	7.2
» Box size: 480 x 280 x 300 mm					



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

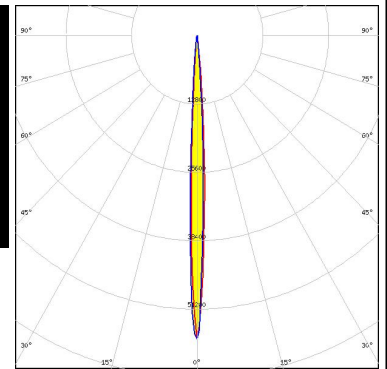
OPTICAL RESULTS (MEASURED):

<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>		

OPTICAL RESULTS (MEASURED):

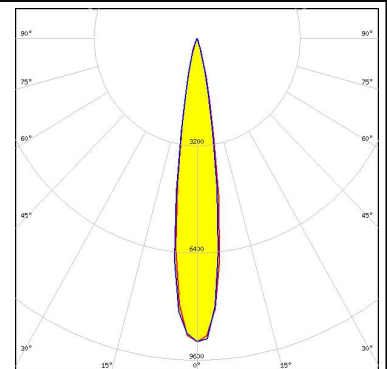
LUMILEDS

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:



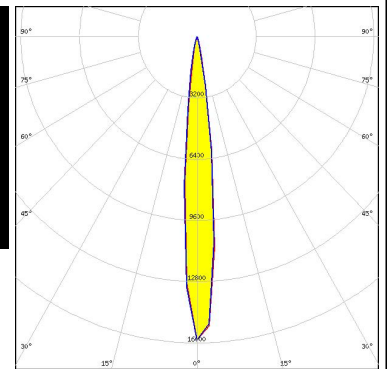
LUMILEDS

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:



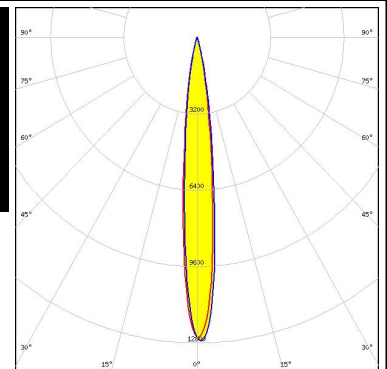
LUMILEDS

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:


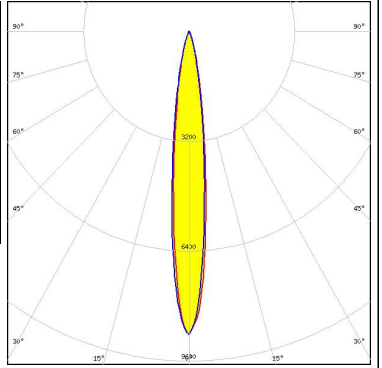
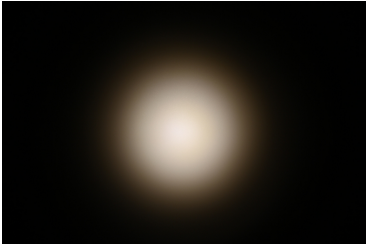

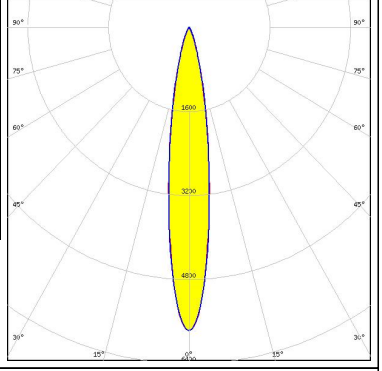



NICHIA


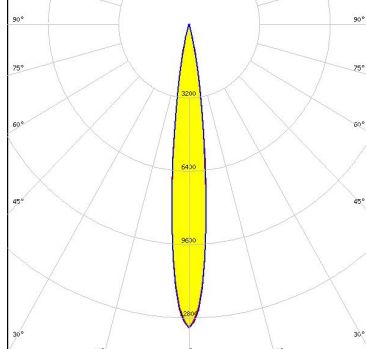

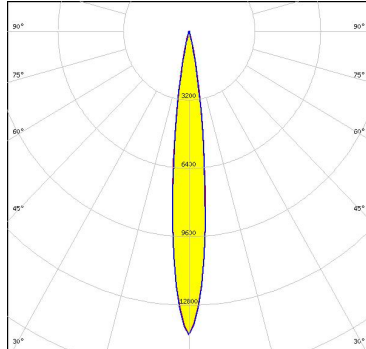

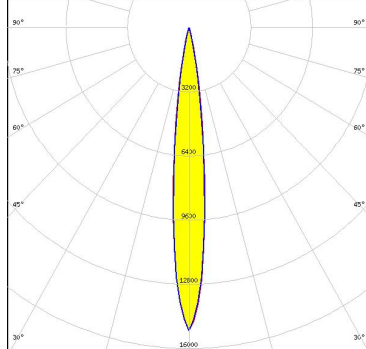

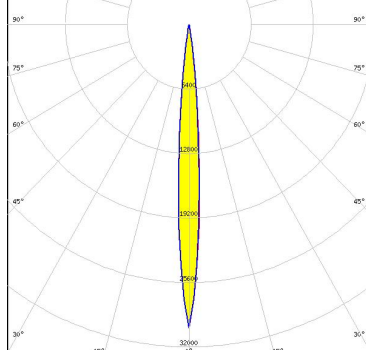
LED NFMW48xA
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 84 %
 Peak intensity 12.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




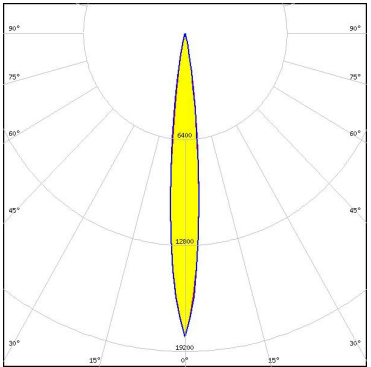

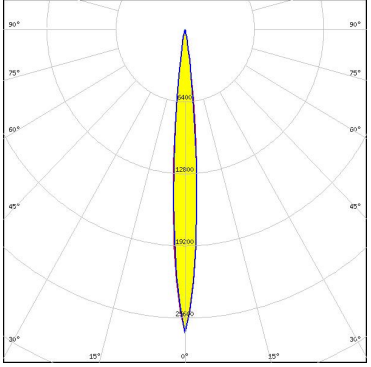

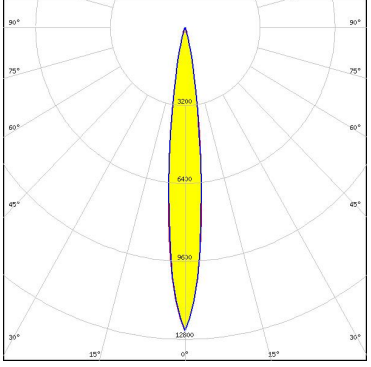

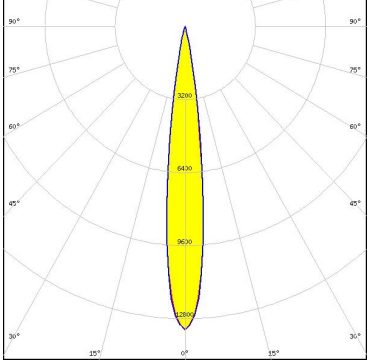
OPTICAL RESULTS (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED Duris S10</p> <p>FWHM / FWTM 13.0° / 29.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 8.8 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 Duris S8</p> <p>FWHM / FWTM 11.0° / 24.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED WICOP 5050</p> <p>FWHM / FWTM 16.0° / 36.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 5.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2</p> <p>FWHM / FWTM 7.0° / 14.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 40.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (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: J Series 5050B 6V K Class FWHM / FWTM: 12.0° / 24.0° Efficiency: 90 % Peak intensity: 14.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> CREE LED</p> <p>LED: J Series 5050C 6V E Class FWHM / FWTM: 12.0° / 24.0° Efficiency: 89 % Peak intensity: 15.1 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>	

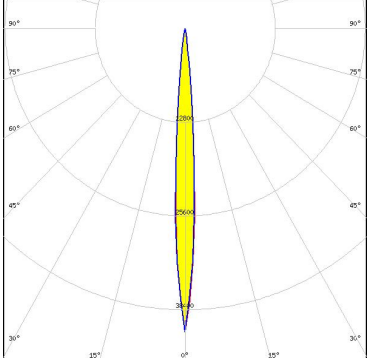
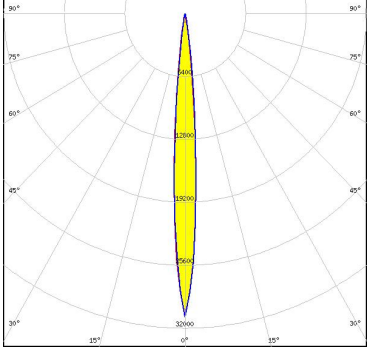

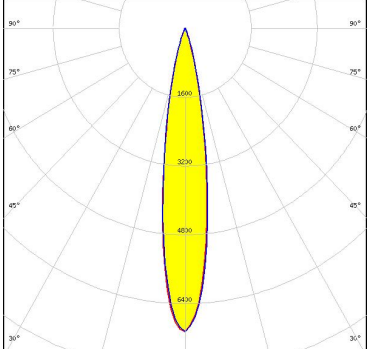
OPTICAL RESULTS (SIMULATED):

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

OPTICAL RESULTS (SIMULATED):

<p>CREE → LED</p> <p>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:</p>	
<p>CREE → LED</p> <p>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:</p>	
<p>CREE → LED</p> <p>LED: XHP70.3 HD FWHM / FWTM: 18.0° / 34.0° Efficiency: 86 % Peak intensity: 7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XHP70.3 HI FWHM / FWTM: 14.0° / 26.0° Efficiency: 88 % Peak intensity: 12.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>CREE LED</p> <p>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:</p>	
<p>LUMILEDS</p> <p>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:</p>	
<p>LUMILEDS</p> <p>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:</p>	
<p>LUMILEDS</p> <p>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:</p>	

OPTICAL RESULTS (SIMULATED):

<p>LUMINUS</p> <p>LED SST-20 FWHM / FWTM 8.0° / 16.0° Efficiency 88 % Peak intensity 34.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>LUMINUS</p> <p>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:</p>	
<p>NICHIA</p> <p>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:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>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:</p>	

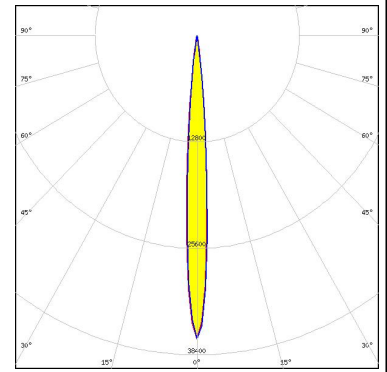
OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Black Flat (LUW HWQP)</p> <p>FWHM / FWTM 8.0° / 14.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 45.2 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 Black Flat S (KW HHL532.TK)</p> <p>FWHM / FWTM 8.0° / 14.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 44.5 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 OSLON Black Flat S (KW2 HIL532.TK)</p> <p>FWHM / FWTM 8.0° / 16.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 34.2 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 Compact PL (KW2 CFLNM2.TK)</p> <p>FWHM / FWTM 8.0° / 16.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 37.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

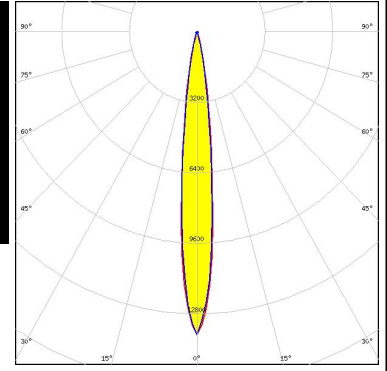
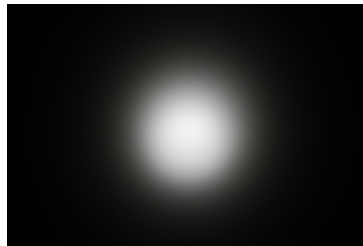
OSRAM Opto Semiconductors

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:



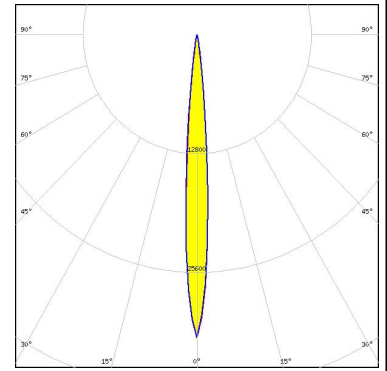
OSRAM Opto Semiconductors

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:



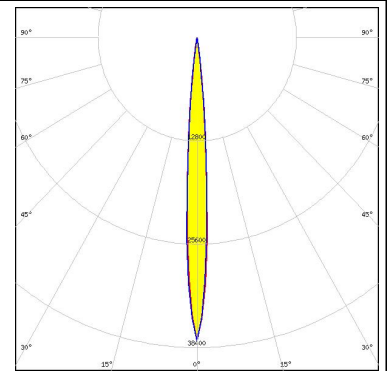
OSRAM Opto Semiconductors

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

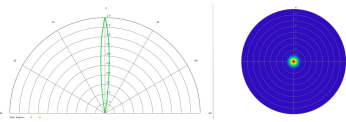
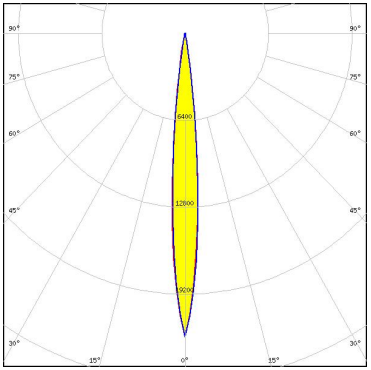
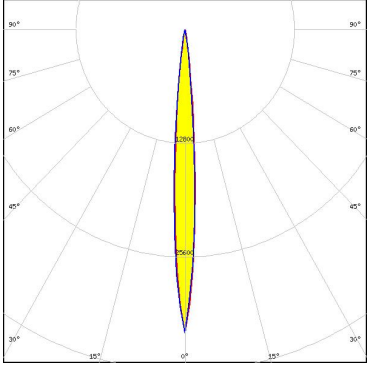

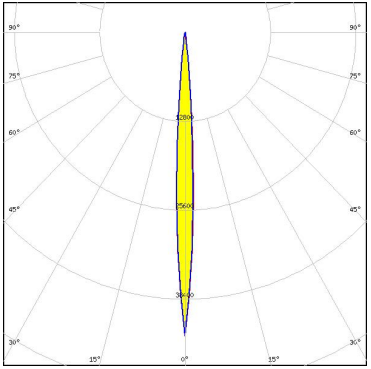

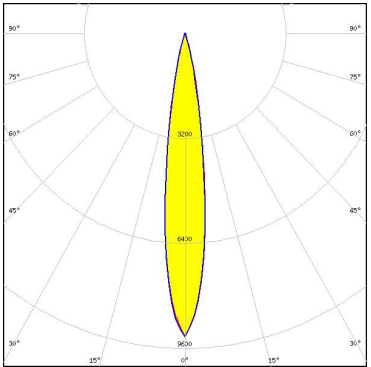


OSRAM Opto Semiconductors

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



OPTICAL RESULTS (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>		

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:

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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