

IRIS

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

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 38.0 mm
Height	27.1 mm
Fastening	glue, tape, pin, screw
ROHS compliant	yes ⓘ

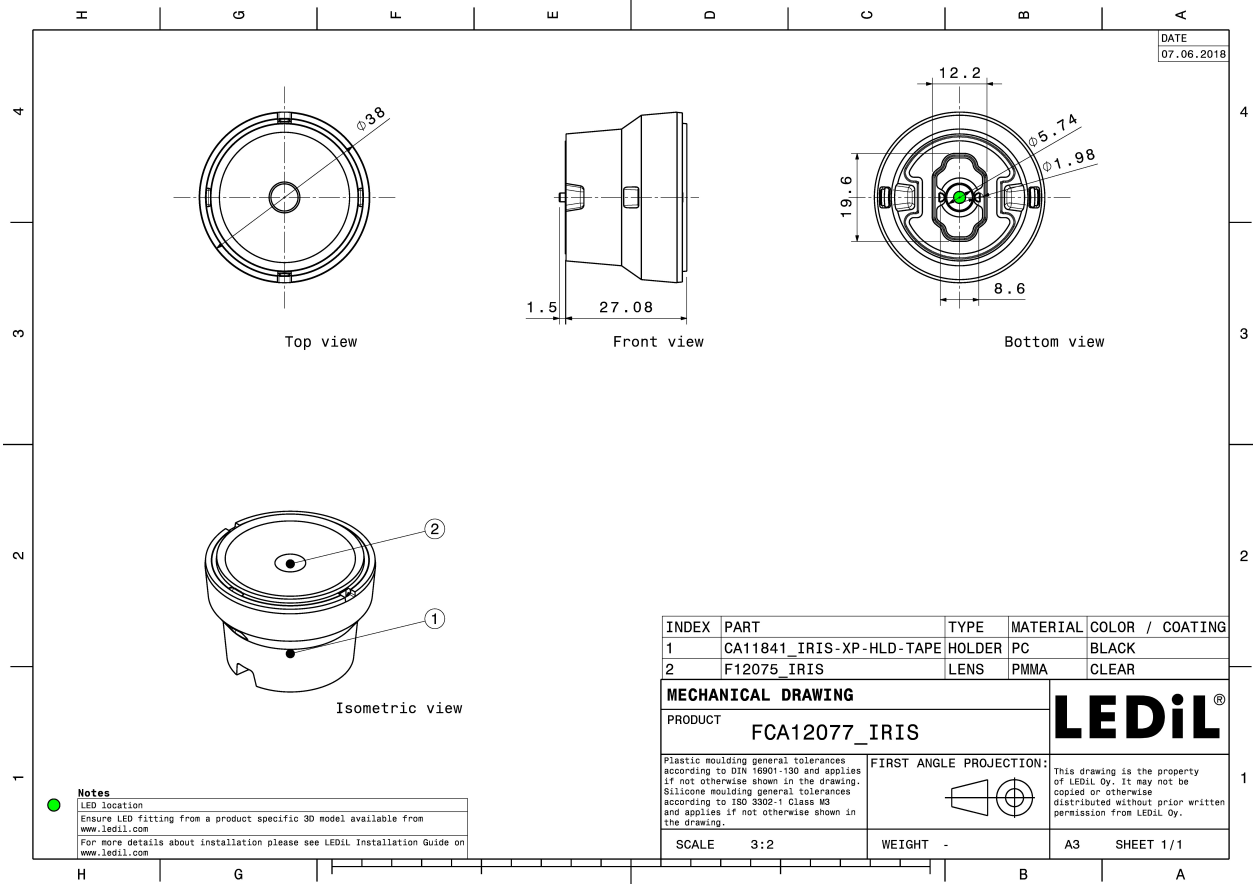


MATERIAL SPECIFICATIONS:

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


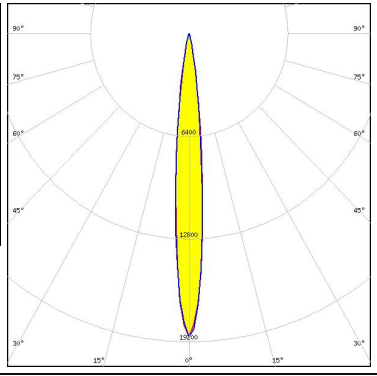

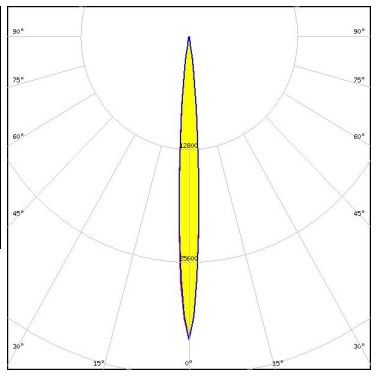

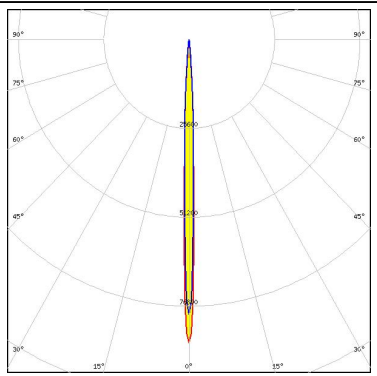
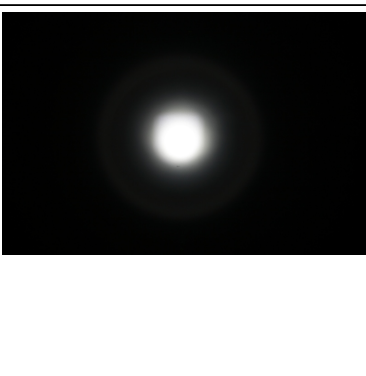
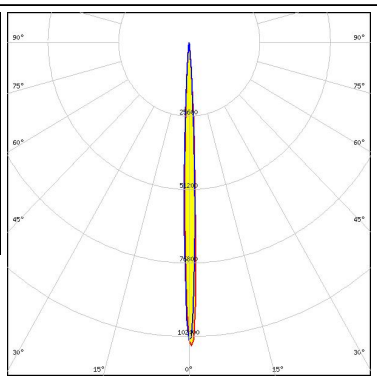
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA12077_IRIS	Single lens	378	126	42	8.9
» Box size: 480 x 280 x 300 mm					


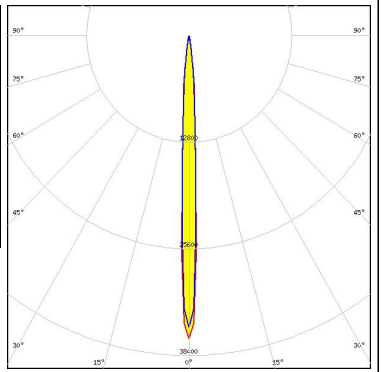

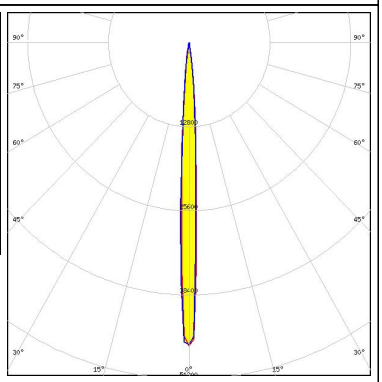

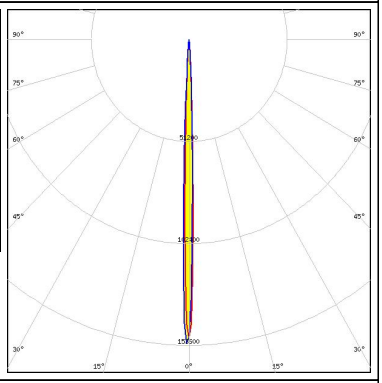

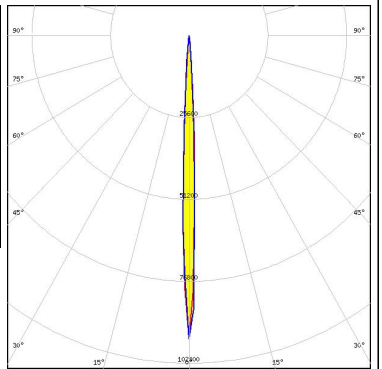


See also our general installation guide: www.ledil.com/installation_guide


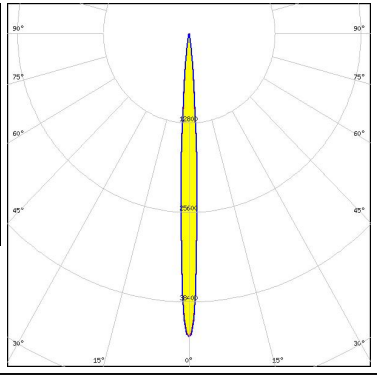
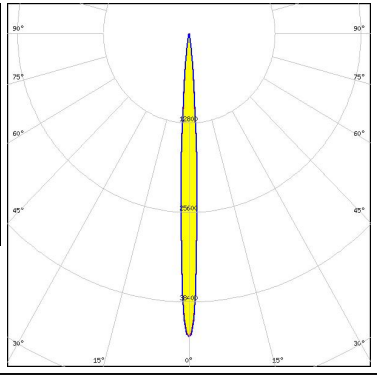
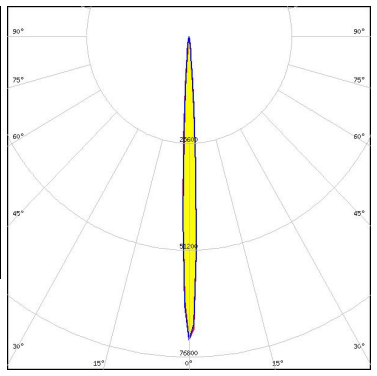
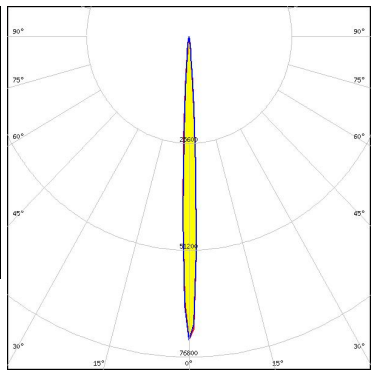
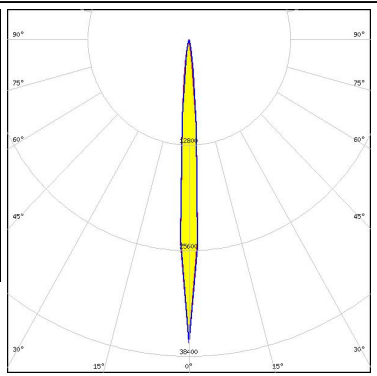
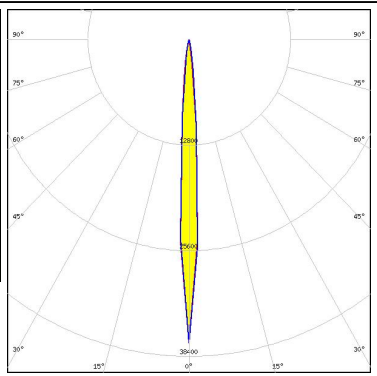
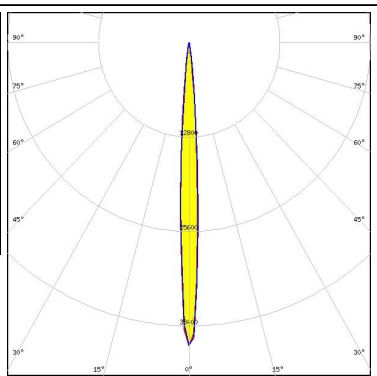
PHOTOMETRIC DATA (MEASURED):

<p>CREE → LED</p> <p>LED XHP35 HD FWHM / FWTM 10.0° / 23.0° Efficiency 89 % Peak intensity 18.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>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:</p>		
<p>CREE → LED</p> <p>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:</p>		
<p>CREE → LED</p> <p>LED XP-E2 FWHM / FWTM 5.0° / 9.0° Efficiency 93 % Peak intensity 103.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

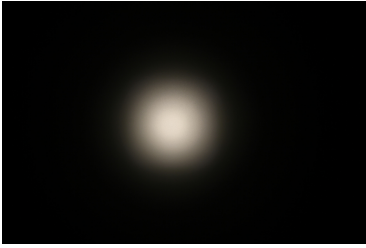
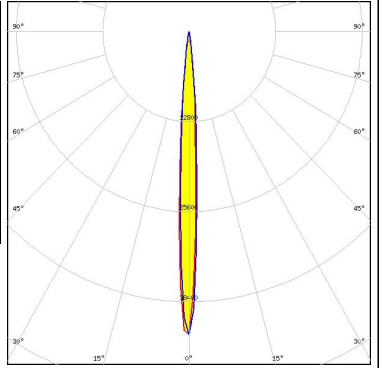
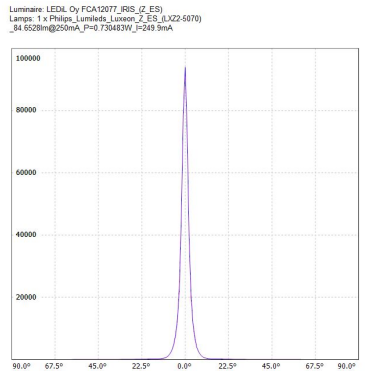
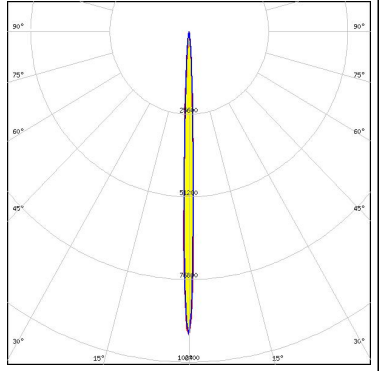
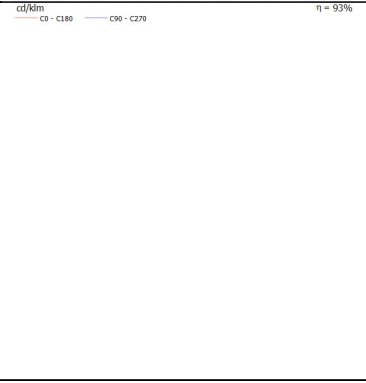
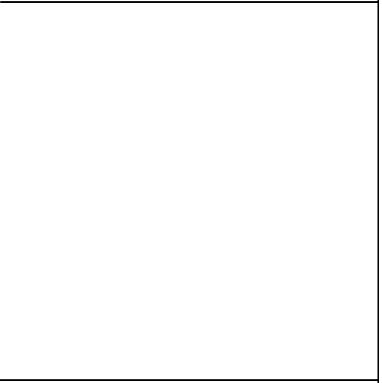
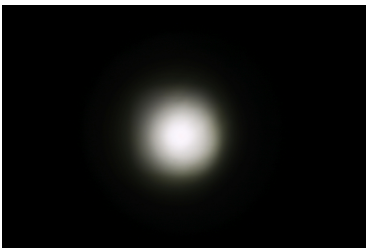
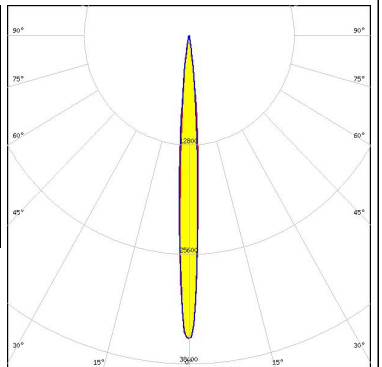
PHOTOMETRIC DATA (MEASURED):

<p>CREE ⇄ LED</p> <p>LED XP-G FWHM / FWTM 6.0° / 14.0° Efficiency 94 % Peak intensity 46.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED XP-G2 FWHM / FWTM 6.0° / 14.0° Efficiency 95 % Peak intensity 46 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED XP-P FWHM / FWTM 3.0° / 8.0° Efficiency 96 % Peak intensity 152.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED XQ-E HI FWHM / FWTM 3.9° / 9.0° Efficiency 88 % Peak intensity 123.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

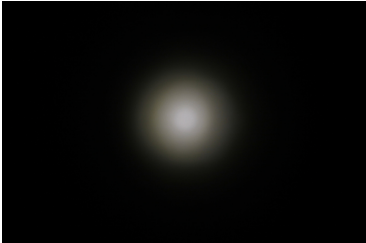
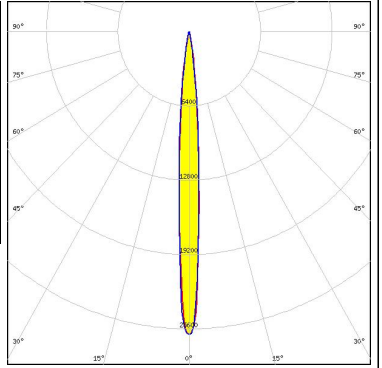

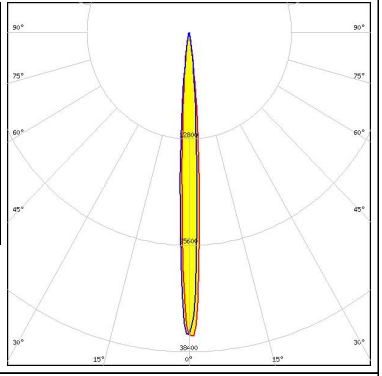

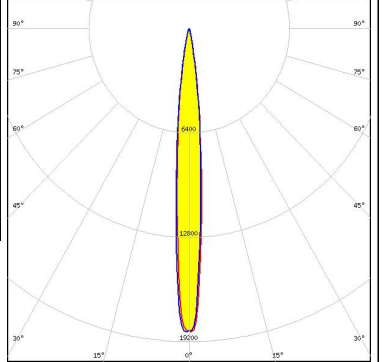
PHOTOMETRIC DATA (MEASURED):

<p>CREE LED</p> <p>LED XT-E FWHM / FWTM 6.0° / 13.0° Efficiency 91 % Peak intensity 44 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON Rebel FWHM / FWTM 5.0° / 9.0° Efficiency % Peak intensity 75.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>LUMILEDS</p> <p>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:</p>		
<p>LUMILEDS</p> <p>LED LUXEON T FWHM / FWTM 7.0° / 14.0° Efficiency 94 % Peak intensity 40.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON TX</p> <p>FWHM / FWTM 6.9° / 15.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 43.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 4.0° / 9.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 94.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	<p>Luminaire: LEDiL Oy FCA12077_IRIS_Z_ES Lamps: 1 x Philips Lumileds Luxeon Z ES (LX22-5070) _S4_6528lm@250mA_P=4.7304E3W_P=248 mA</p> 	
<p>NICHIA</p> <p>LED NCSxx19A</p> <p>FWHM / FWTM 5.0° / 11.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSW219F</p> <p>FWHM / FWTM 7.0° / 16.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 35.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

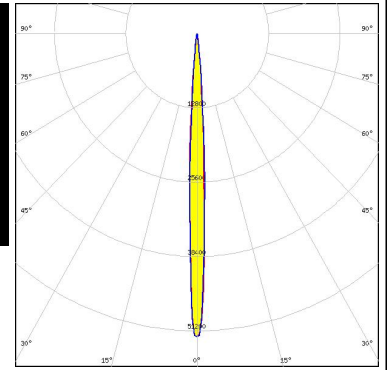
<p>NICHIA</p> <p>LED NVSW3x9A</p> <p>FWHM / FWTM 8.0° / 18.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 26.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19A</p> <p>FWHM / FWTM 6.0° / 14.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 38.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C</p> <p>FWHM / FWTM 7.0° / 15.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 36.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NWSx229A</p> <p>FWHM / FWTM 10.0° / 21.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 18.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

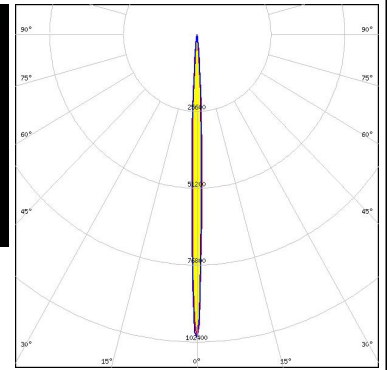
LED OSLON Square EC
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 92 %
 Peak intensity 52 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSLON SSL 150
 FWHM / FWTM 4.0° / 9.0°
 Efficiency 94 %
 Peak intensity 101 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

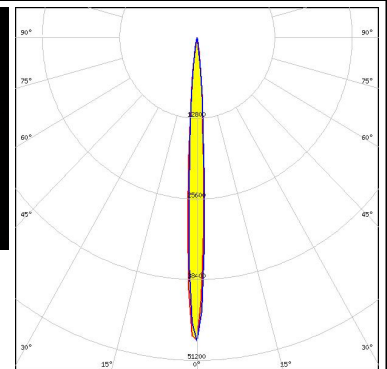
Opto Semiconductors

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:

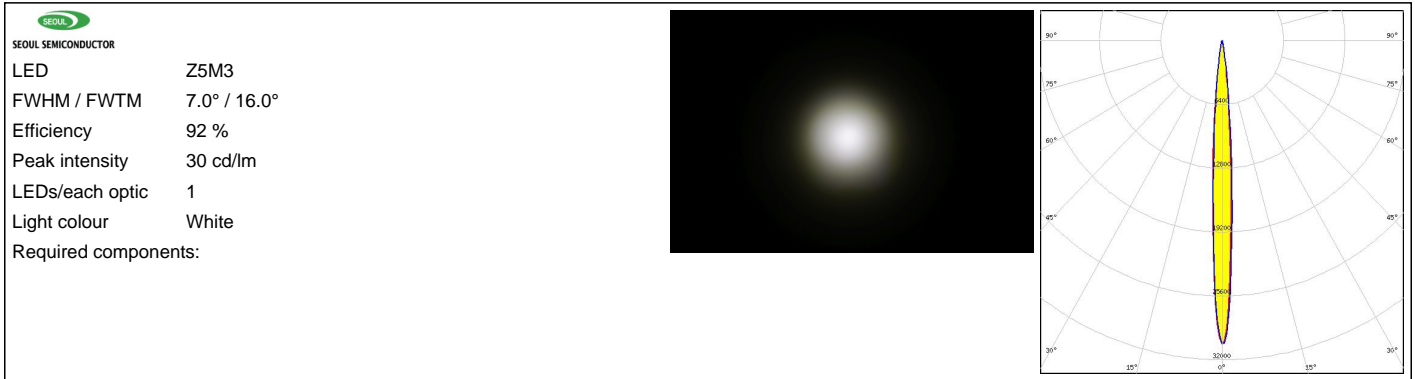


SAMSUNG

LED LH351Z
 FWHM / FWTM 7.0° / 15.0°
 Efficiency 89 %
 Peak intensity 48.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



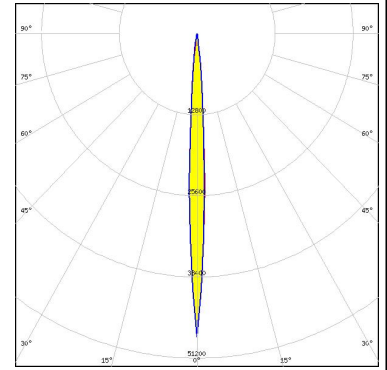
PHOTOMETRIC DATA (MEASURED):



PHOTOMETRIC DATA (SIMULATED):

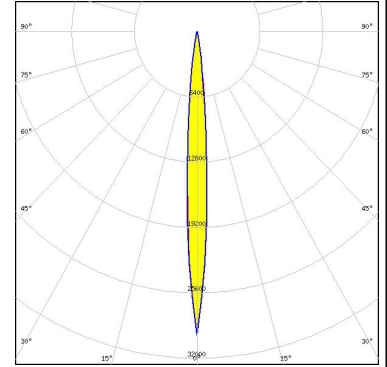
CREE LED

LED: XD16
 FWHM / FWTM: 6.0° / 14.0°
 Efficiency: 91 %
 Peak intensity: 47.9 cd/lm
 LEDs/each optic: 1
 Light colour: White
 Required components:



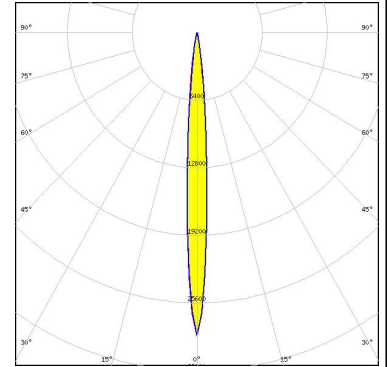
CREE LED

LED: XP-G2 HE
 FWHM / FWTM: 8.0° / 18.0°
 Efficiency: 92 %
 Peak intensity: 29.7 cd/lm
 LEDs/each optic: 1
 Light colour: White
 Required components:



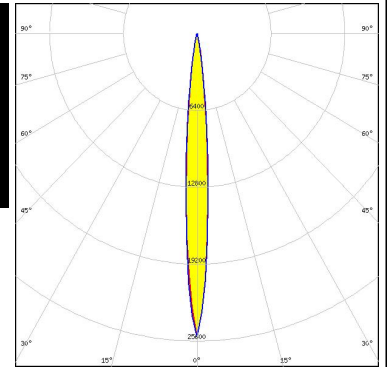
CREE LED

LED: XP-G3
 FWHM / FWTM: 7.7° / 18.0°
 Efficiency: 91 %
 Peak intensity: 28.7 cd/lm
 LEDs/each optic: 1
 Light colour: White
 Required components:



CREE LED

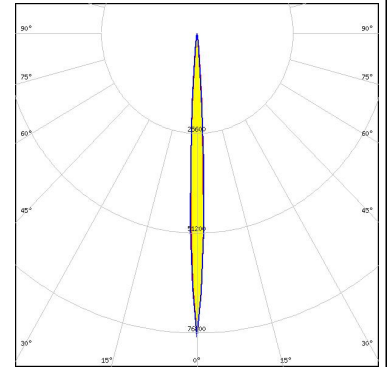
LED: XP-L HD
 FWHM / FWTM: 8.6° / 19.0°
 Efficiency: 93 %
 Peak intensity: 25.3 cd/lm
 LEDs/each optic: 1
 Light colour: White
 Required components:



PHOTOMETRIC DATA (SIMULATED):



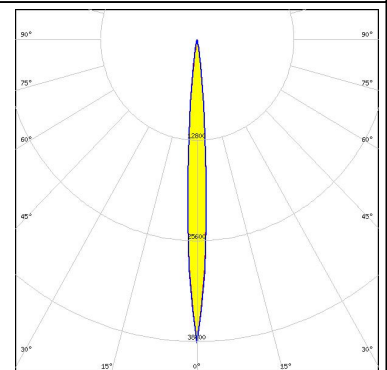
LED XQ-E HD
 FWHM / FWTM 5.3° / 11.0°
 Efficiency 94 %
 Peak intensity 77.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



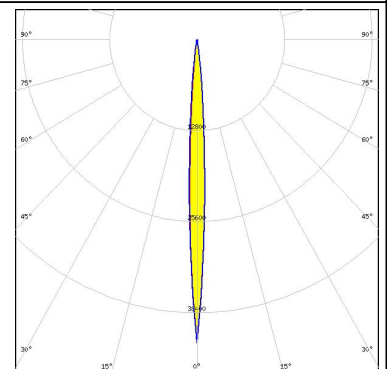
LED XQ-E HD
 FWHM / FWTM 5.0° / 11.5°
 Efficiency 93 %
 Peak intensity 80 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



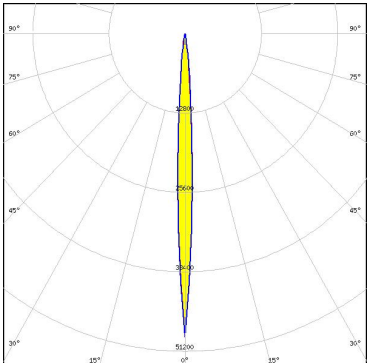
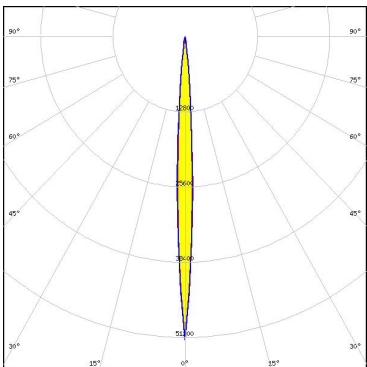
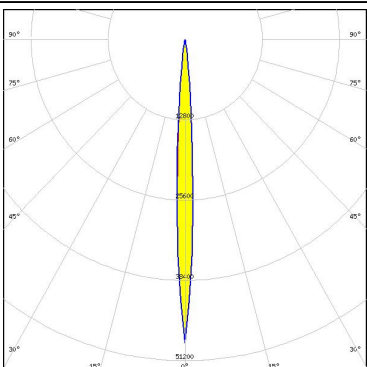
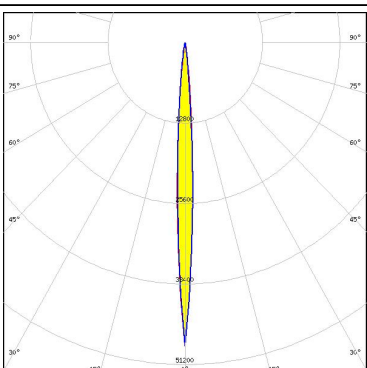
LED LUXEON H50-2
 FWHM / FWTM 7.0° / 15.0°
 Efficiency 94 %
 Peak intensity 38.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON SunPlus 20 Line (150 deg)
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 90 %
 Peak intensity 42.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

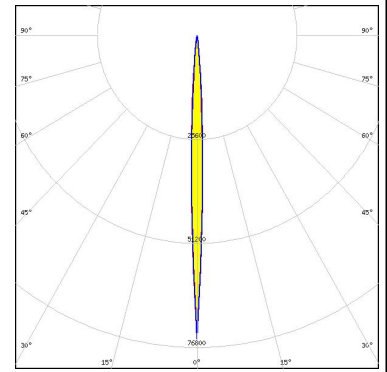
<p>LUMILEDS</p> <p>LED LUXEON SunPlus 35 Line</p> <p>FWHM / FWTM 6.0° / 15.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 49.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Blue</p> <p>Required components:</p>	
<p>LUMINUS</p> <p>LED SST-10-B130</p> <p>FWHM / FWTM 6.0° / 13.0°</p> <p>Efficiency 94 %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>	
<p>LUMINUS</p> <p>LED SST-20</p> <p>FWHM / FWTM 6.0° / 14.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 48.4 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 S5 (Single chip)</p> <p>FWHM / FWTM 6.0° / 14.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 48.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Yellow</p> <p>Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

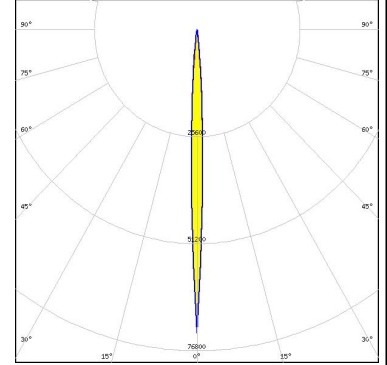
LED Duris S5 (Single chip)
 FWHM / FWTM 4.0° / 12.0°
 Efficiency 93 %
 Peak intensity 74.7 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



OSRAM

Opto Semiconductors

LED Duris S5 (Single chip)
 FWHM / FWTM 4.0° / 12.0°
 Efficiency 93 %
 Peak intensity 72.5 cd/lm
 LEDs/each optic 1
 Light colour Green
 Required components:



OSRAM

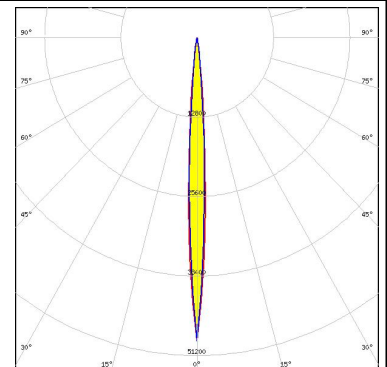
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 94 %
 Peak intensity 46.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

OSRAM

Opto Semiconductors

LED OSLON Black Flat
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 94 %
 Peak intensity 48.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLOX Black Flat</p> <p>FWHM / FWTM 4.2° / 10.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 92 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 OSLOX Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 6.4° / 14.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 48.3 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 OSTAR Projection Compact (Kx.CSLNM1.xx)</p> <p>FWHM / FWTM 6.0° / 12.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 76.4 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 OSTAR Projection Compact (Kx.CSLNM1.xx)</p> <p>FWHM / FWTM 4.0° / 10.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 94.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

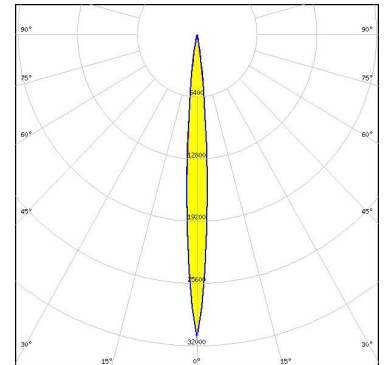
OSRAM

Opto Semiconductors

LED SFH 4716AS
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour IR
 Required components:

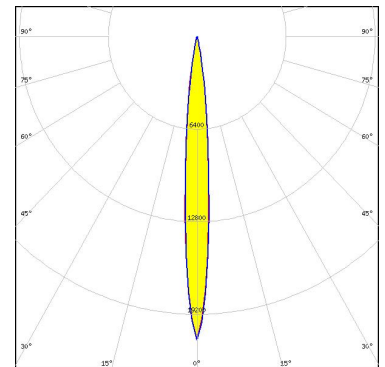
SAMSUNG

LED LH351C
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 93 %
 Peak intensity 31.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

LED LH351D
 FWHM / FWTM 9.3° / 21.0°
 Efficiency 90 %
 Peak intensity 21 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:

