

IRIS

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

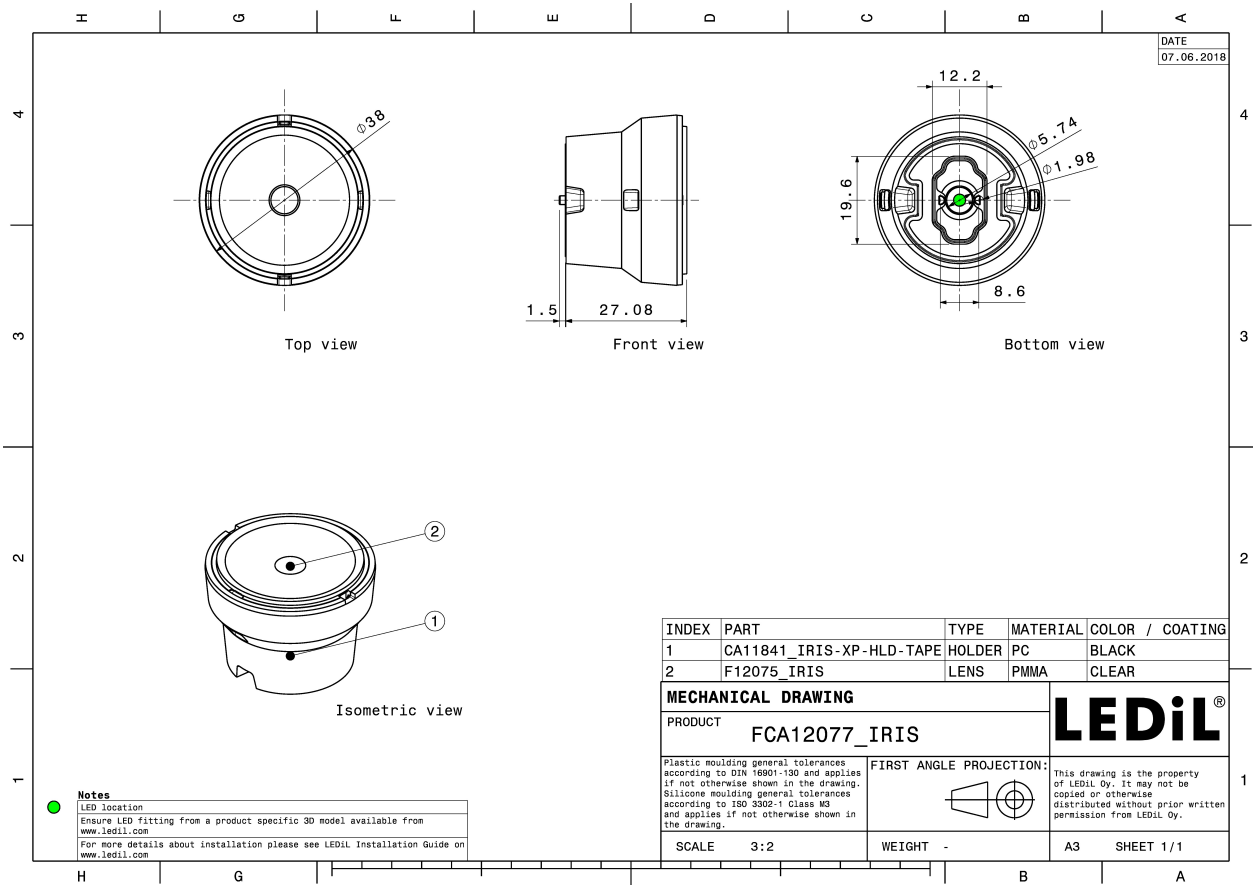
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 38.0 mm
Height	27.1 mm
Fastening	glue, tape, pin, screw
Colour	black
Box size	480 x 280 x 300 mm
Box weight	8.9 kg
Quantity in Box	378 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

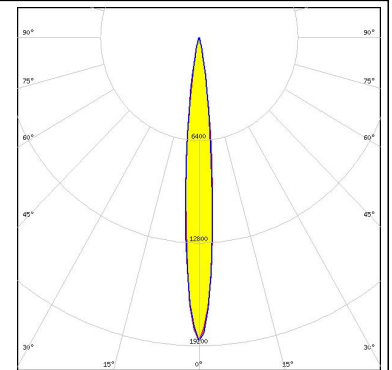
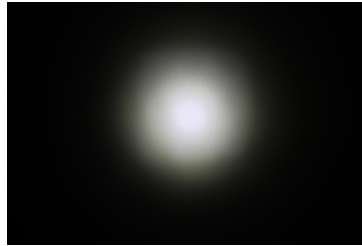
Component	Type	Material	Colour
IRIS	Single lens	PMMA	clear
IRIS-XP-HLD-TAPE	Assembly	PC	black



PHOTOMETRIC DATA (MEASURED):

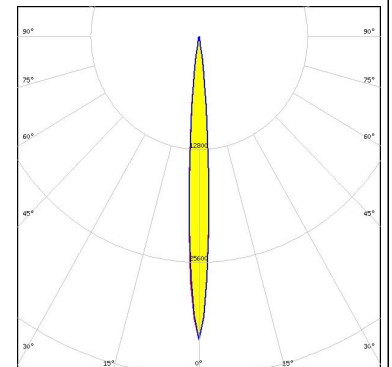
CREE 

LED XHP35 HD
FWHM 10.0°
Efficiency 89 %
Peak intensity 18.560 cd/lm
LEDs/each optic 1
Light colour White
Required components:



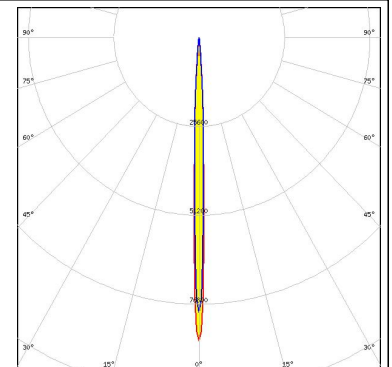
CREE 

LED XHP35 HI
FWHM 7.6°
Efficiency 90 %
Peak intensity 35.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



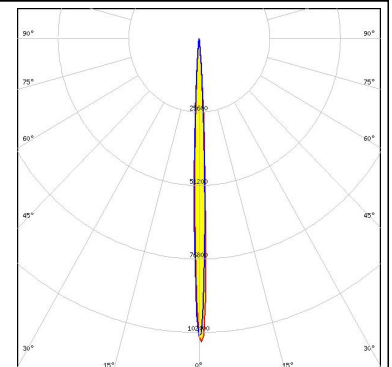
CREE 

LED XP-E
FWHM 4.0°
Efficiency 93 %
Peak intensity 87.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE 

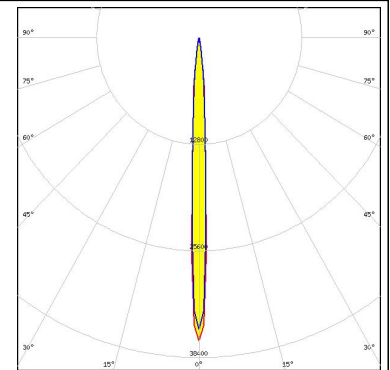
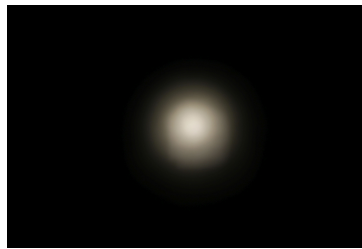
LED XP-E2
FWHM 5.0°
Efficiency 93 %
Peak intensity 103.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



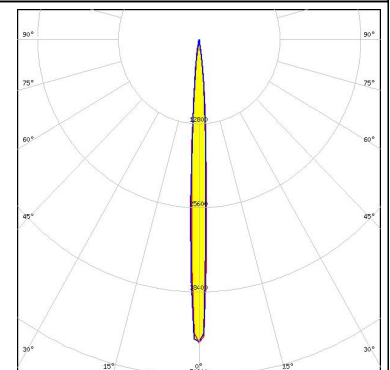
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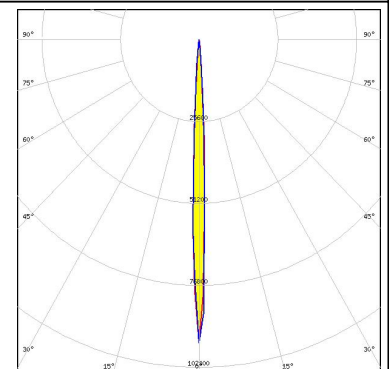
LED XP-G
 FWHM 6.0°
 Efficiency 94 %
 Peak intensity 46.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



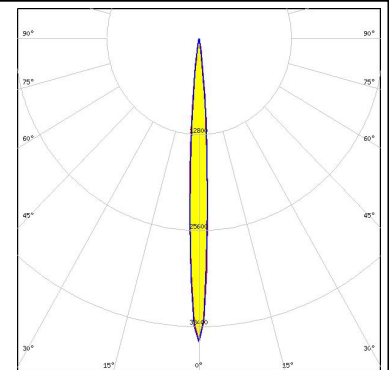
LED XP-G2
 FWHM 6.0°
 Efficiency 95 %
 Peak intensity 46.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XQ-E HI
 FWHM 3.9°
 Efficiency 88 %
 Peak intensity 123.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



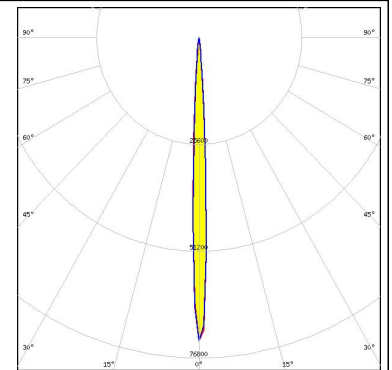
LED H35C1 (LEMWA33)
 FWHM 8.0°
 Efficiency 89 %
 Peak intensity 40.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

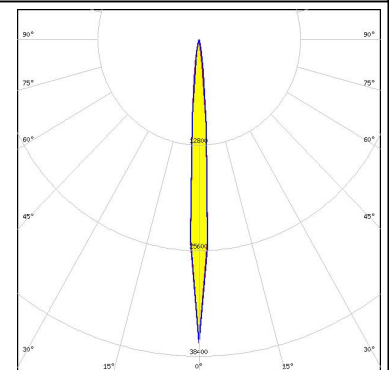
LUMILEDS

LED LUXEON Rebel
 FWHM 5.0°
 Efficiency %
 Peak intensity 75.600 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



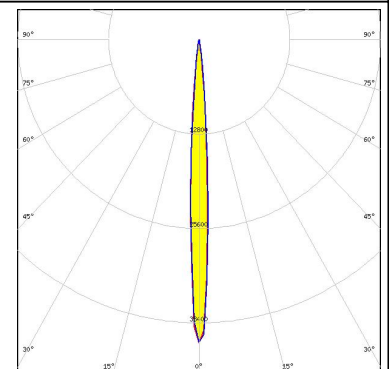
LUMILEDS

LED LUXEON Rebel ES
 FWHM 7.0°
 Efficiency 93 %
 Peak intensity 38.500 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



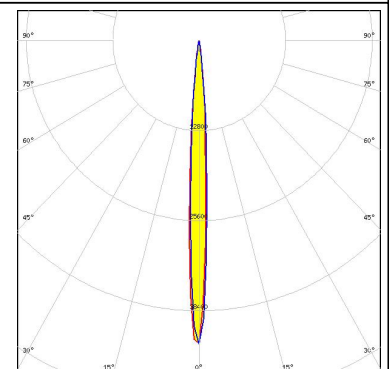
LUMILEDS

LED LUXEON T
 FWHM 7.0°
 Efficiency 94 %
 Peak intensity 40.200 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:

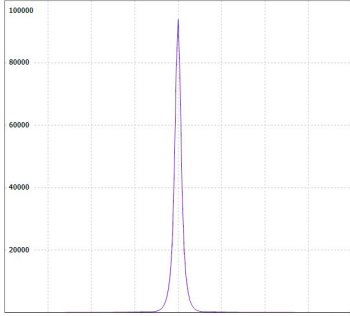
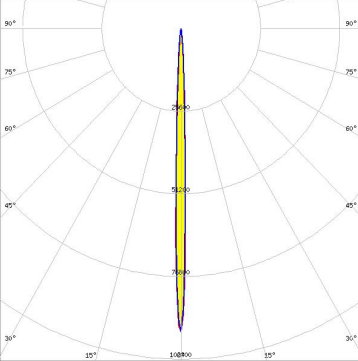

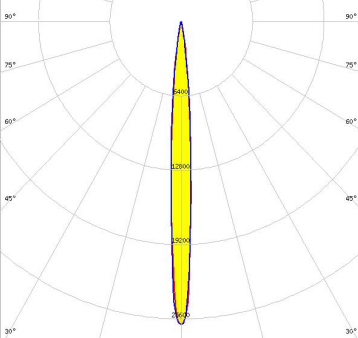


LUMILEDS


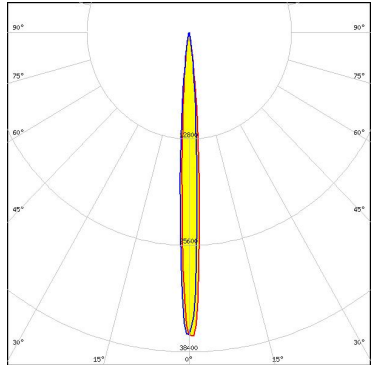

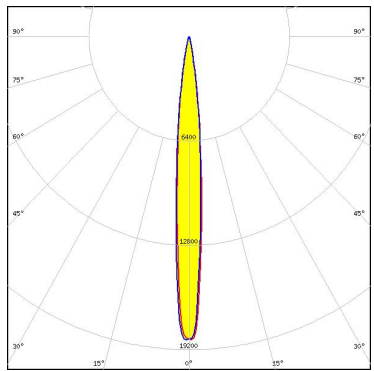
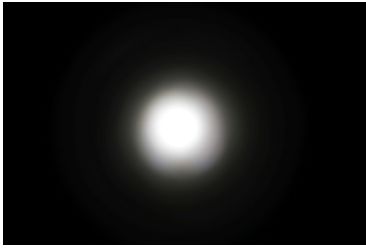
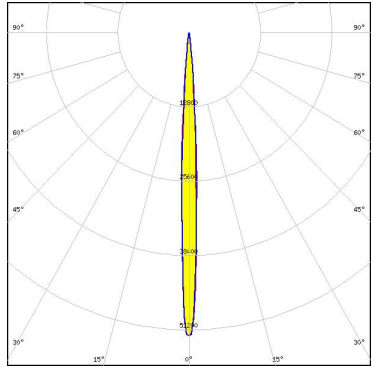

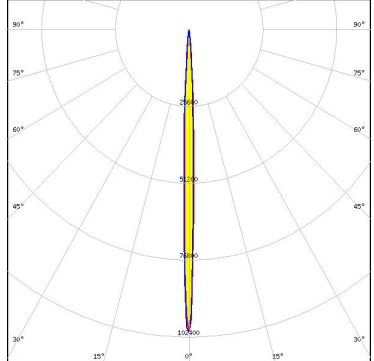
LED LUXEON TX
 FWHM 6.9°
 Efficiency 89 %
 Peak intensity 43.100 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON Z ES FWHM 4.0° Efficiency 93 % Peak intensity 94.060 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	<p>Luminaire: LEDiL Oy FCA12077_IRIS (2 ES) Lamps: 1 x Philips Lumileds Luxeon Z ES (XZ2-5070) _84 6528mg(250mA_P=0.730483W_P=249.9mA)</p>  <p>cd/lm C0 - C180 C90 - C270 $\eta = 93\%$</p>	
<p>NICHIA</p> <p>LED NCSxx19A FWHM 5.0° Efficiency % Peak intensity cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW3x9A FWHM 8.0° Efficiency 89 % Peak intensity 26.300 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19A FWHM 6.0° Efficiency 93 % Peak intensity 38.700 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM 7.0° Efficiency 92 % Peak intensity 36.600 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NWSx229A FWHM 10.0° Efficiency 91 % Peak intensity 18.600 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSOLON Square EC FWHM 6.0° Efficiency 92 % Peak intensity 52.000 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSOLON SSL 150 FWHM 4.0° Efficiency 94 % Peak intensity 101.000 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

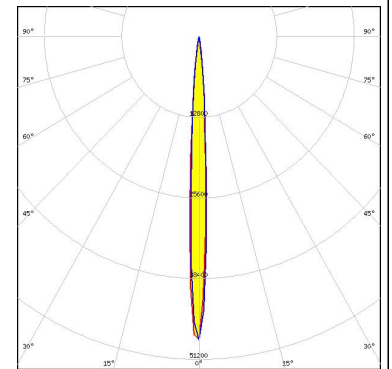
OSRAM

Opto Semiconductors

LED OSLON SSL 80
FWHM 4.0°
Efficiency 90 %
Peak intensity 89.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:

SAMSUNG

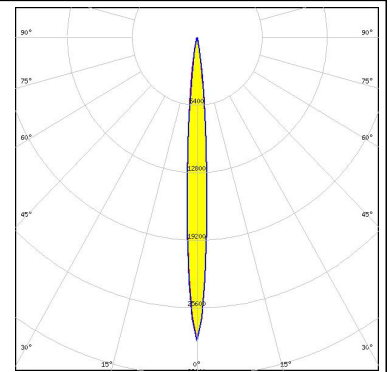
LED LH351Z
FWHM 7.0°
Efficiency 89 %
Peak intensity 48.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



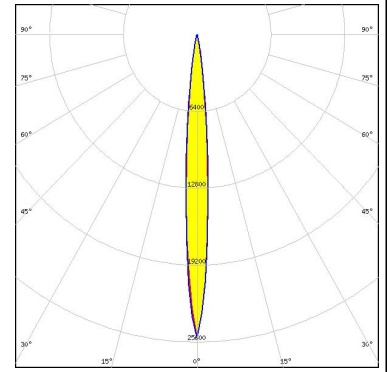
PHOTOMETRIC DATA (SIMULATED):



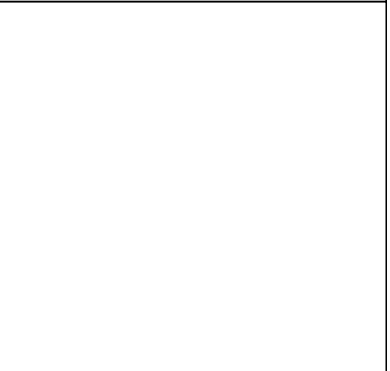
LED XP-G3
 FWHM 7.7°
 Efficiency 91 %
 Peak intensity 28.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



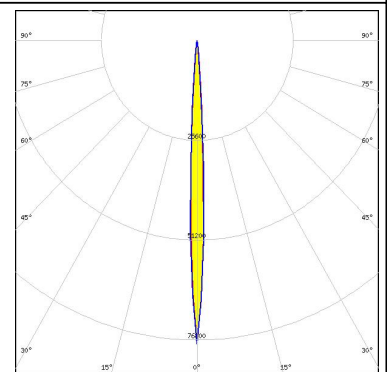
LED XP-L HD
 FWHM 8.6°
 Efficiency 93 %
 Peak intensity 25.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



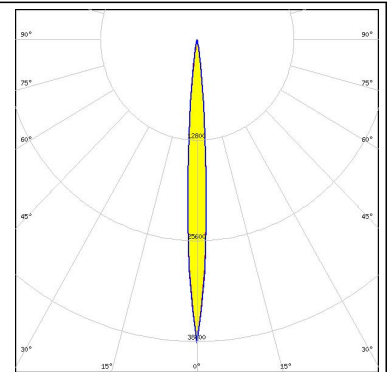
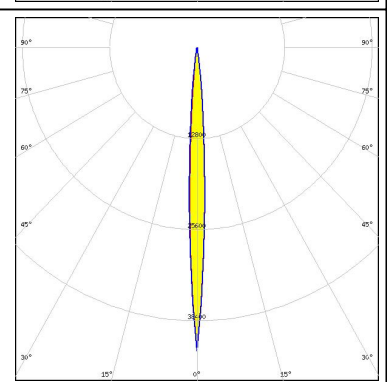
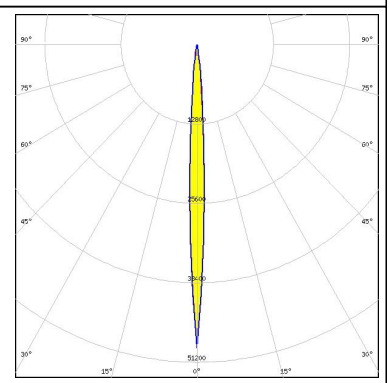
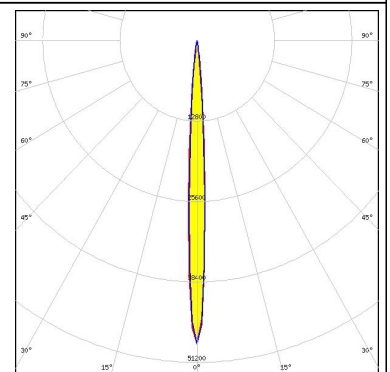
LED XQ-E HD
 FWHM 5.0°
 Efficiency 93 %
 Peak intensity 80.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XQ-E HD
 FWHM 5.3°
 Efficiency 94 %
 Peak intensity 77.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



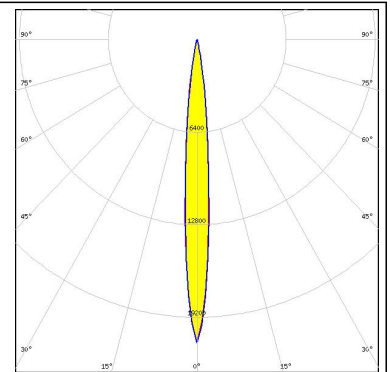
PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON H50-2 FWHM 7.0° Efficiency 94 % Peak intensity 38.600 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON SunPlus 20 Line FWHM 6.0° Efficiency 90 % Peak intensity 42.650 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON SunPlus 35 Line FWHM 6.0° Efficiency 94 % Peak intensity 49.910 cd/lm LEDs/each optic 1 Light colour Blue Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square CSSRM2/CSSRM3 FWHM 6.4° Efficiency 94 % Peak intensity 48.300 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

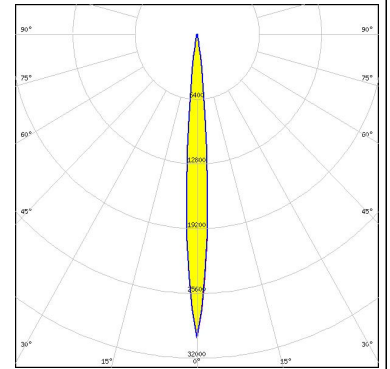
SAMSUNG

LED LH351D
FWHM 9.3°
Efficiency 90 %
Peak intensity 20.970 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM 8.0°
Efficiency 98 %
Peak intensity 29.900 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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Hong Kong, China

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