

HEIDI-D

~10° diffused spot beam

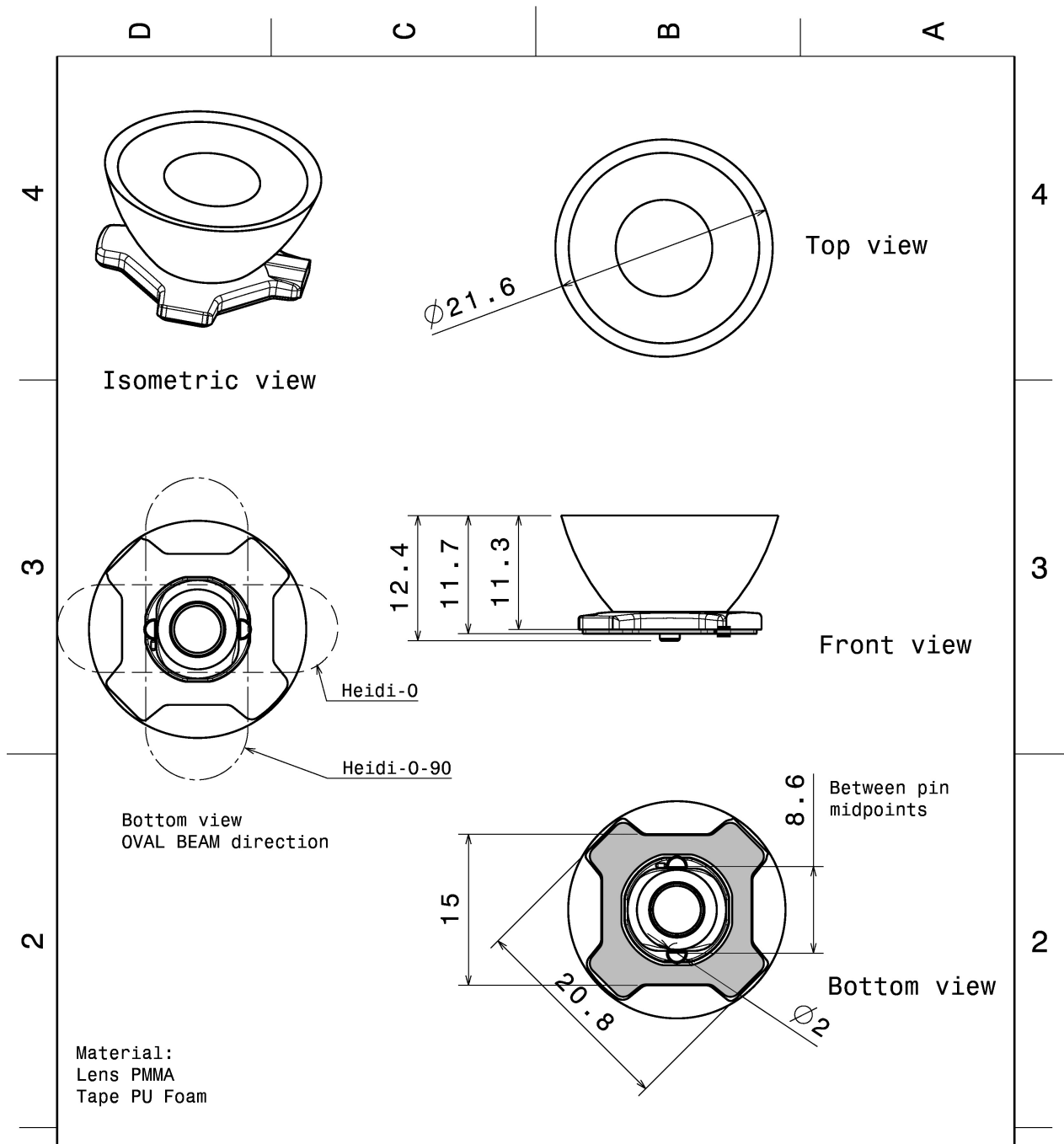
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	11.9 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	10.6 kg
Quantity in Box	3264 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
HEIDI-D	Single lens	PMMA	clear
HEIDI-TAPE	Tape	PU tape	black



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DRAWN BY ah		DATE 1.2.2012		DRAWING TITLE Datasheet Heidi-Series Assy	
CHECKED BY	DATE	SIZE A4	DRAWING NUMBER		REV 2
DESIGNED BY	DATE	SCALE 2:1	WEIGHT (g)	SHEET 1/1	

PHOTOMETRIC DATA (MEASURED):

CREE

LED XB-D
FWHM 10.0°
Efficiency 90 %
Peak intensity 12.550 cd/lm
LEDs/each optic 1
Light colour White
Required components:

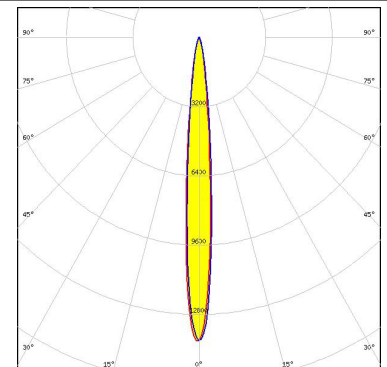
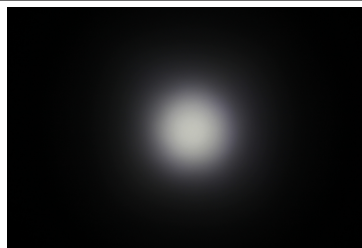
CREE

LED XB-H
FWHM 11.0°
Efficiency 87 %
Peak intensity 12.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE

LED XD16
FWHM 10.0°
Efficiency 93 %
Peak intensity 14.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



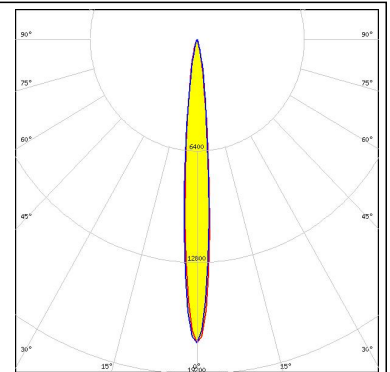
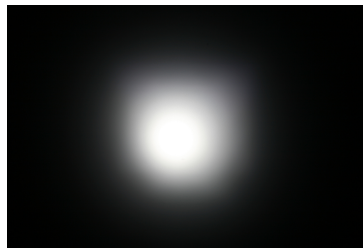
CREE

LED XP-E
FWHM 9.0°
Efficiency 93 %
Peak intensity 22.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:

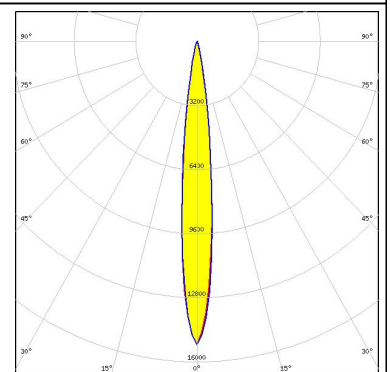
PHOTOMETRIC DATA (MEASURED):



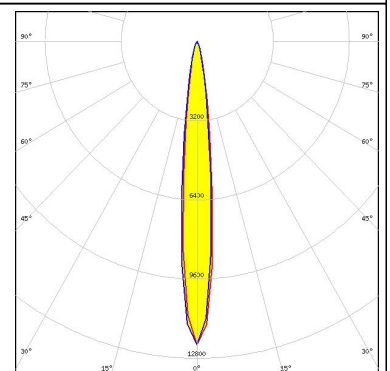
LED XP-E2
 FWHM 10.0°
 Efficiency 88 %
 Peak intensity 17.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



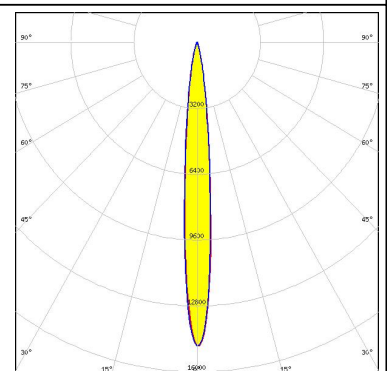
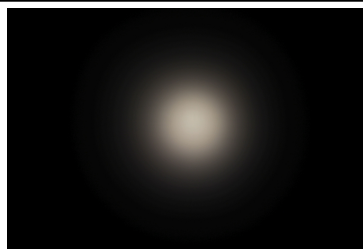
LED XP-G
 FWHM 12.0°
 Efficiency 93 %
 Peak intensity 14.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G2
 FWHM 11.0°
 Efficiency 88 %
 Peak intensity 15.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



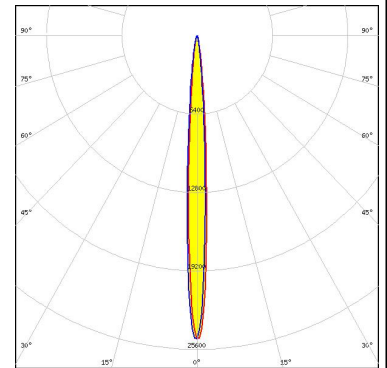
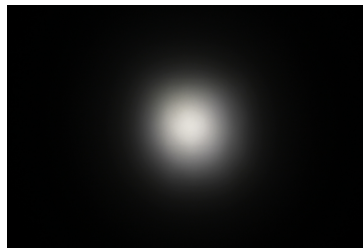
LED XQ-E HD
 FWHM 10.0°
 Efficiency 94 %
 Peak intensity 14.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



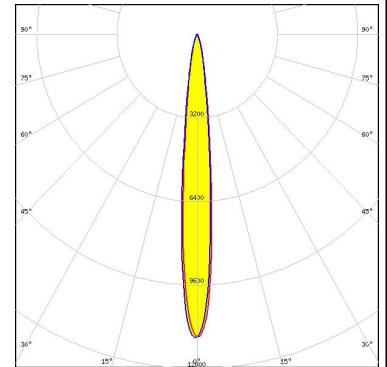
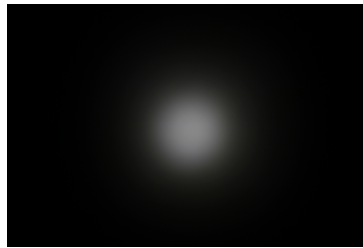
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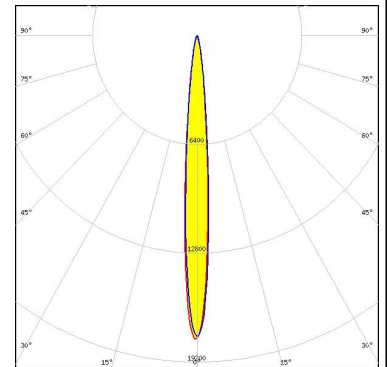
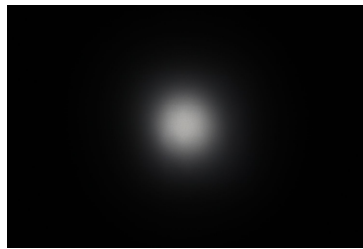
LED XQ-E HI
 FWHM 7.0°
 Efficiency 93 %
 Peak intensity 24.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



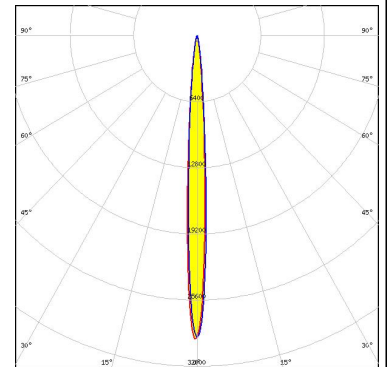
LED XT-E
 FWHM 11.0°
 Efficiency 94 %
 Peak intensity 11.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON C
 FWHM 9.0°
 Efficiency 89 %
 Peak intensity 17.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



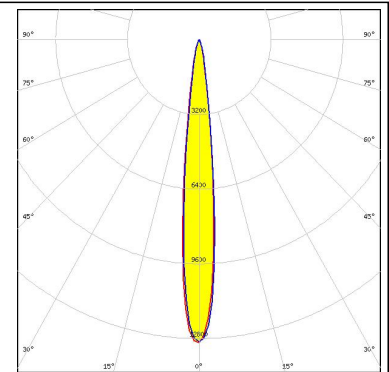
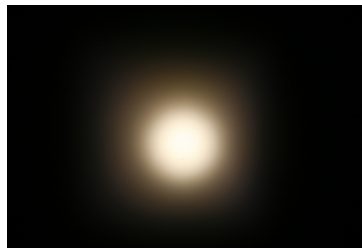
LED LUXEON CZ
 FWHM 7.0°
 Efficiency 94 %
 Peak intensity 29.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

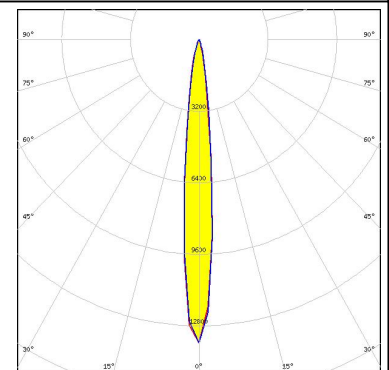
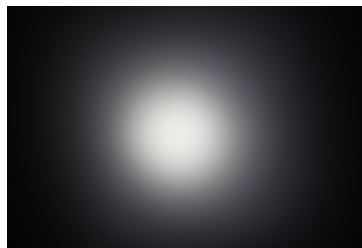
LUMILEDS

LED LUXEON T
 FWHM 12.0°
 Efficiency 89 %
 Peak intensity 11.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

LED LUXEON TX
 FWHM 12.0°
 Efficiency 88 %
 Peak intensity 13.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



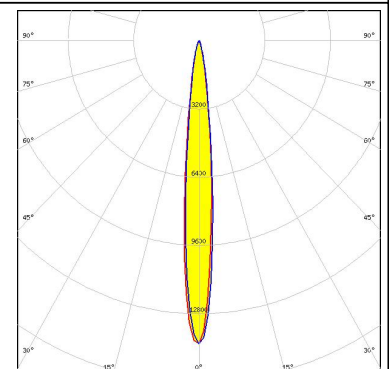
NICHIA

LED NCSxx19A
 FWHM 9.0°
 Efficiency 88 %
 Peak intensity 11.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NCSxx19B
 FWHM 11.0°
 Efficiency 85 %
 Peak intensity 14.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



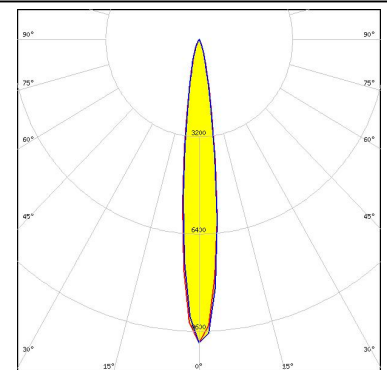
PHOTOMETRIC DATA (MEASURED):



LED NVSxx19A
FWHM 12.0°
Efficiency 88 %
Peak intensity 8.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxx19B/NVSxx19C
FWHM 14.0°
Efficiency 91 %
Peak intensity 10.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Ospto Semiconductors

LED OSOLON Square EC
FWHM 10.0°
Efficiency 90 %
Peak intensity 12.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Ospto Semiconductors

LED OSOLON SSL 150
FWHM 9.0°
Efficiency 92 %
Peak intensity 15.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:

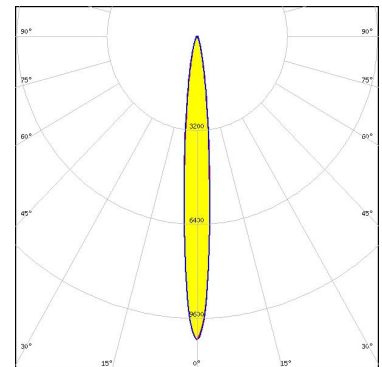
PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED OSLON SSL 80
 FWHM 7.0°
 Efficiency 89 %
 Peak intensity 19.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

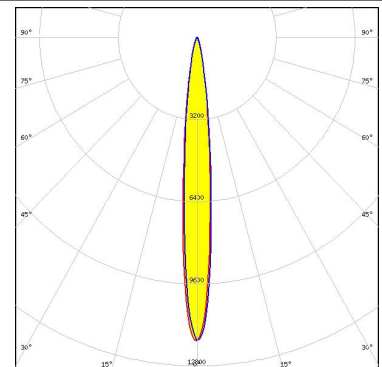
SAMSUNG

LED LH181A
 FWHM 10.0°
 Efficiency 88 %
 Peak intensity 10.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



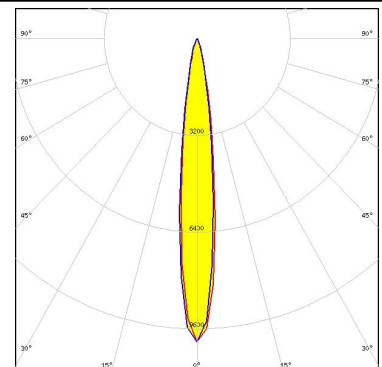
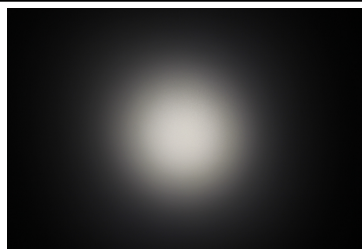
SAMSUNG

LED LH181B
 FWHM 11.0°
 Efficiency 94 %
 Peak intensity 11.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

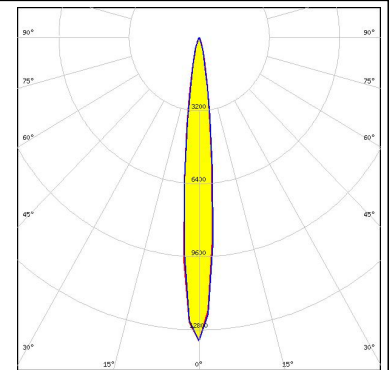
LED LH351B
 FWHM 14.0°
 Efficiency 88 %
 Peak intensity 10.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LH351Z
FWHM 12.0°
Efficiency 88 %
Peak intensity 13.300 cd/m
LEDs/each optic 1
Light colour White
Required components:



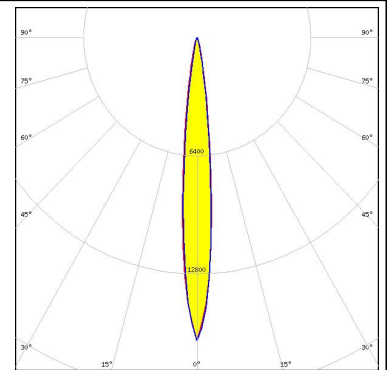
SEOUL SEMICONDUCTOR

LED Z5
FWHM 8.0°
Efficiency 87 %
Peak intensity 22.300 cd/m
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (SIMULATED):

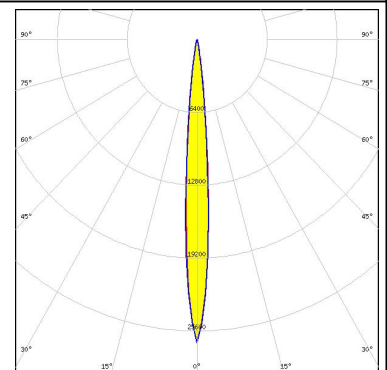
LUMILEDS

LED LUXEON 3030 HV
 FWHM 11.0°
 Efficiency 94 %
 Peak intensity 16.430 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



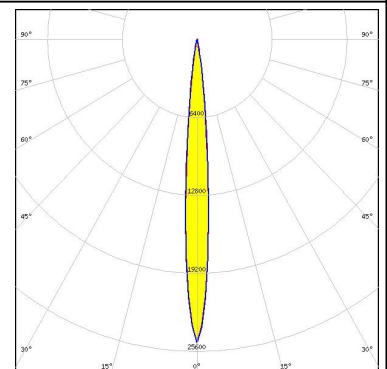
LUMILEDS

LED LUXEON SunPlus 20 Line (120 deg)
 FWHM 8.0°
 Efficiency 96 %
 Peak intensity 26.651 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



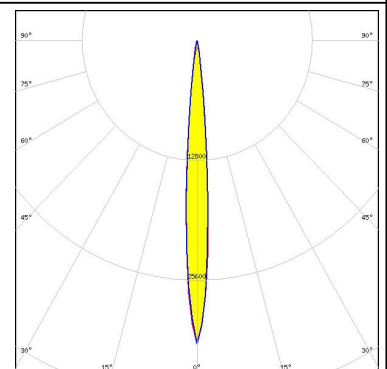
LUMILEDS

LED LUXEON SunPlus 20 Line (150 deg)
 FWHM 8.0°
 Efficiency 91 %
 Peak intensity 24.913 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

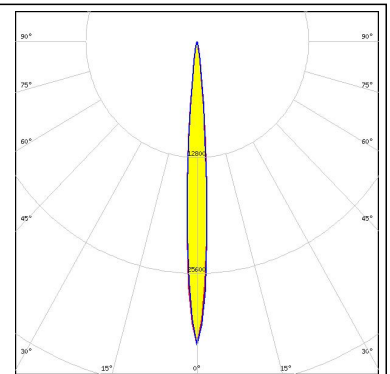
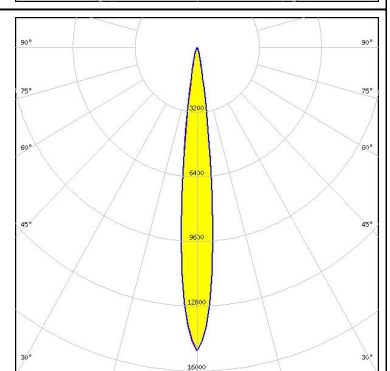
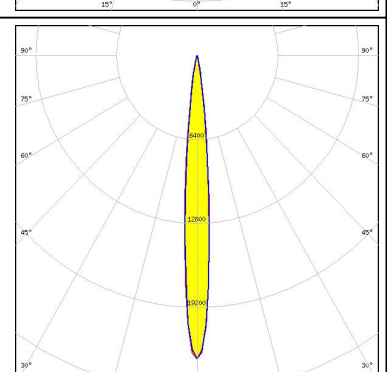
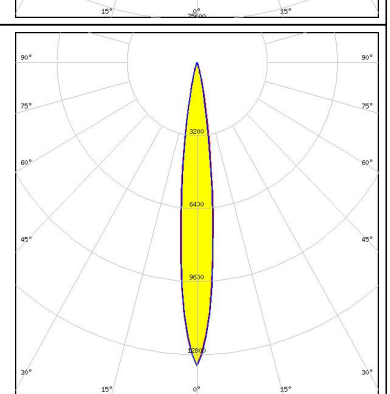


LUMILEDS

LED LUXEON Z
 FWHM 8.5°
 Efficiency 94 %
 Peak intensity 32.403 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



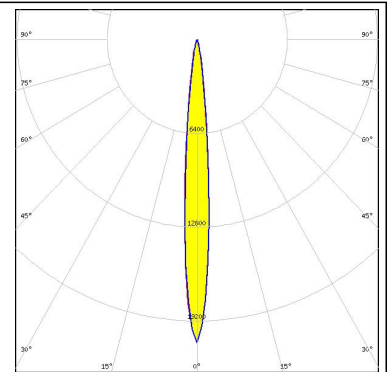
PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON Z ES FWHM 7.7° Efficiency 94 % Peak intensity 33.500 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM 12.0° Efficiency 94 % Peak intensity 15.005 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3030 FWHM 9.4° Efficiency 97 % Peak intensity 23.134 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square CSSRM2/CSSRM3 FWHM 13.0° Efficiency 94 % Peak intensity 13.300 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

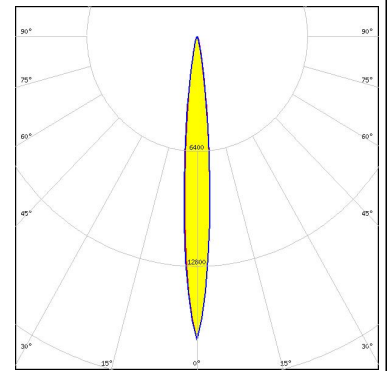
OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM 9.4°
Efficiency 94 %
Peak intensity 20.070 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEKUL
SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
FWHM 10.0°
Efficiency 90 %
Peak intensity 17.000 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

Distribution Partners

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