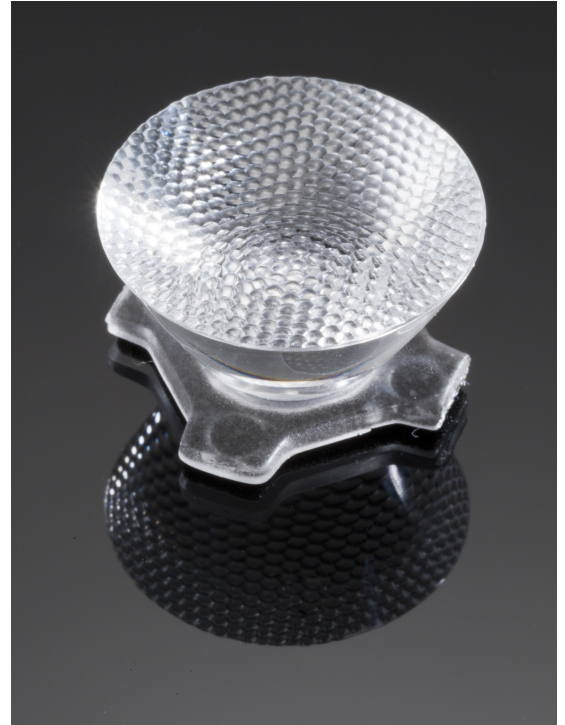


HEIDI-M

~25° medium beam

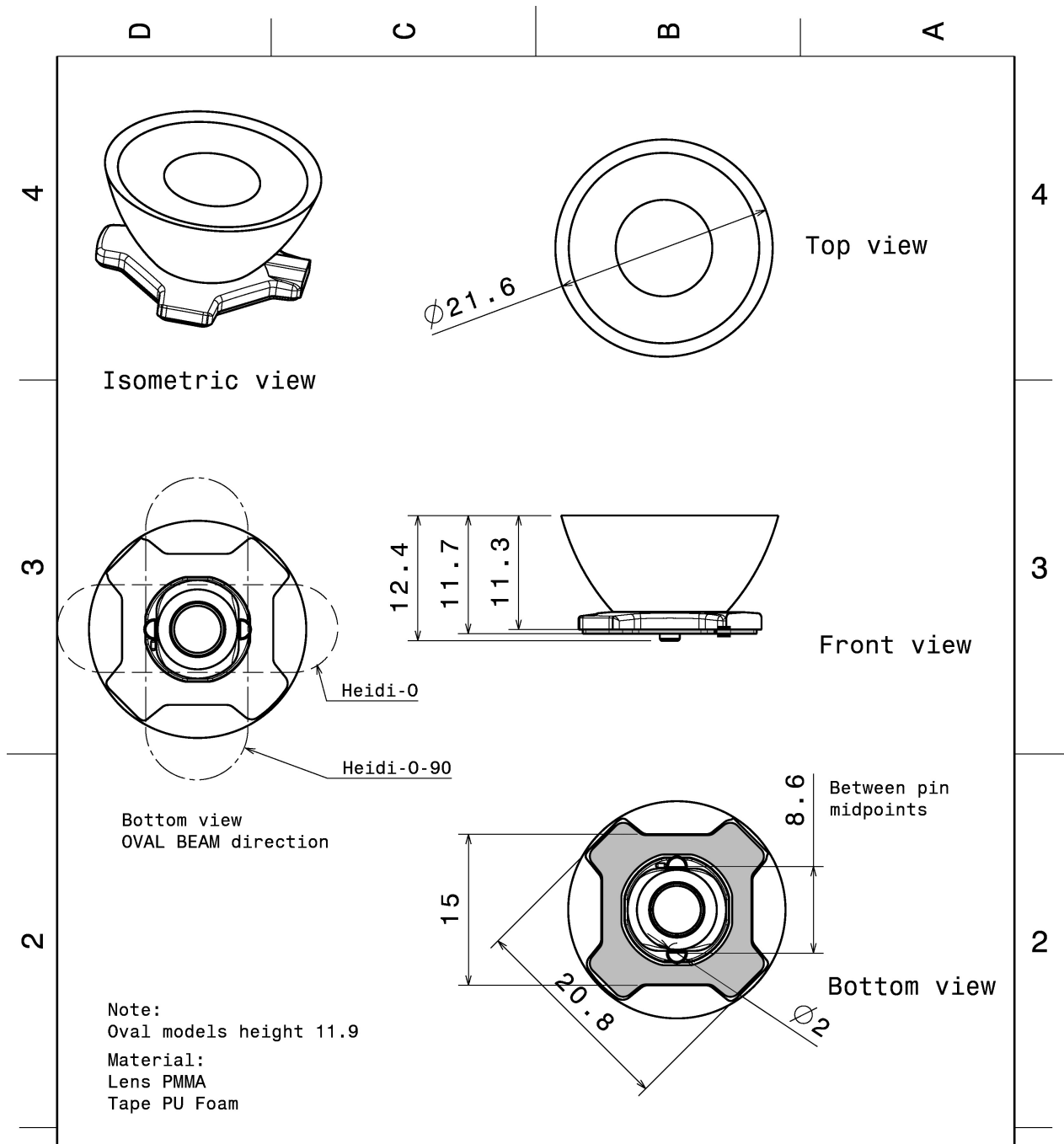
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	11.1 kg
Quantity in Box	3264 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

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

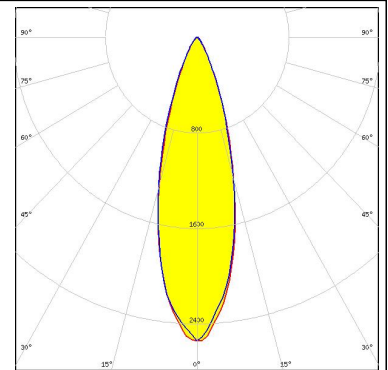


This drawing is our property. It can't be reproduced or communicated without our written agreement.		LEDiL		Ledil Oy Joensuunkatu 13 FIN-24100 SALO Finland	
DRAWING TITLE		Datasheet Heidi-Series Assy			
DRAWN BY ah	DATE 1.2.2012	SIZE A4	DRAWING NUMBER		REV 2
CHECKED BY	DATE	SCALE 2:1	WEIGHT (g)	SHEET 1/1	
DESIGNED BY	DATE				

PHOTOMETRIC DATA (MEASURED):

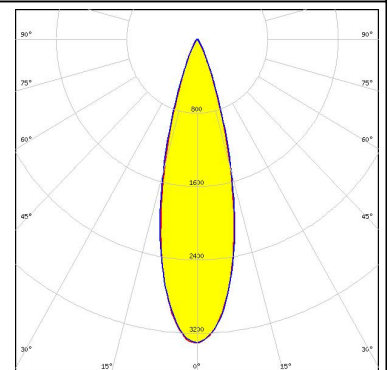
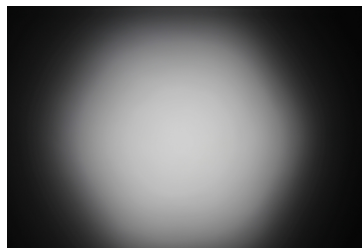
CREE 

LED XHP35 HD
 FWHM 28.0°
 Efficiency 86 %
 Peak intensity 3.110 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



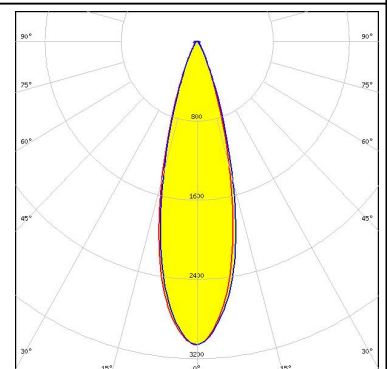
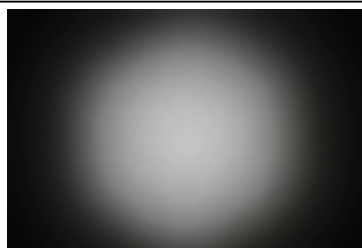
CREE 

LED XHP35 HI
 FWHM 28.0°
 Efficiency 94 %
 Peak intensity 3.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



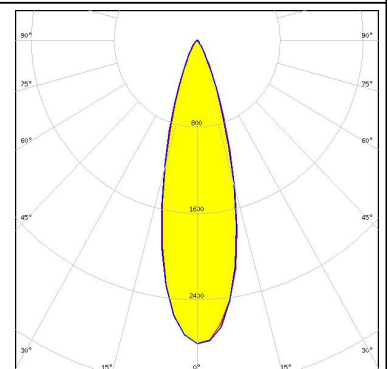
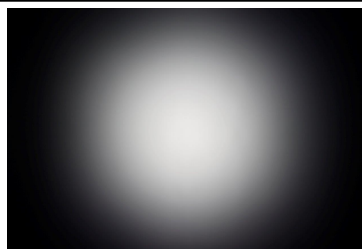
CREE 

LED XP-G3
 FWHM 28.0°
 Efficiency 94 %
 Peak intensity 3.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE 

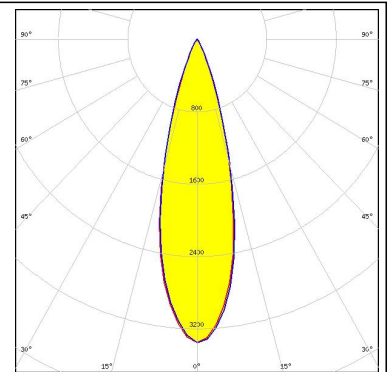
LED XP-L HD
 FWHM 28.0°
 Efficiency 86 %
 Peak intensity 2.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

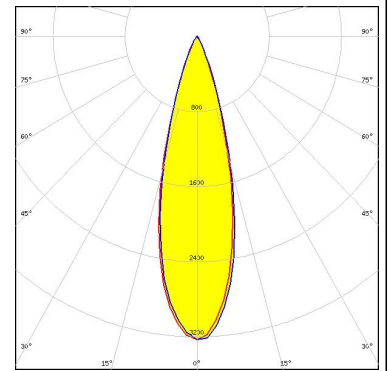
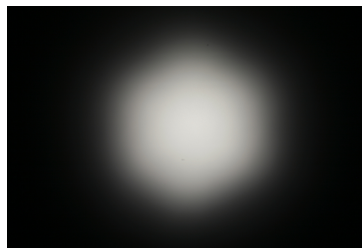
LUMILEDS

LED LUXEON A
 FWHM 29.0°
 Efficiency 88 %
 Peak intensity 3.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



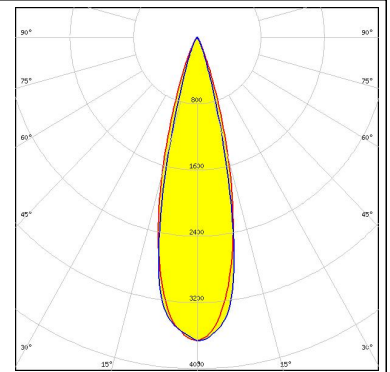
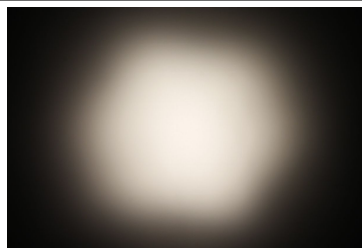
LUMILEDS

LED LUXEON R
 FWHM 29.0°
 Efficiency 87 %
 Peak intensity 3.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



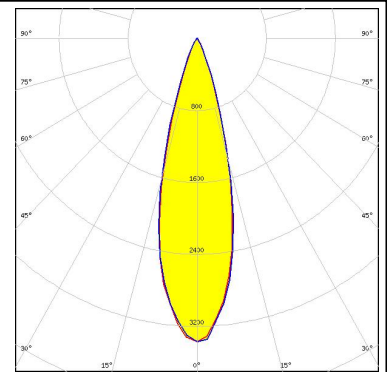
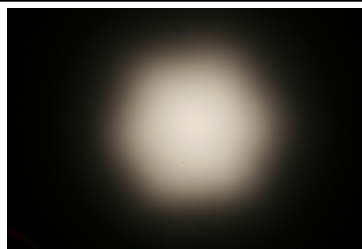
LUMILEDS

LED LUXEON Rebel
 FWHM 27.0°
 Efficiency 88 %
 Peak intensity 3.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

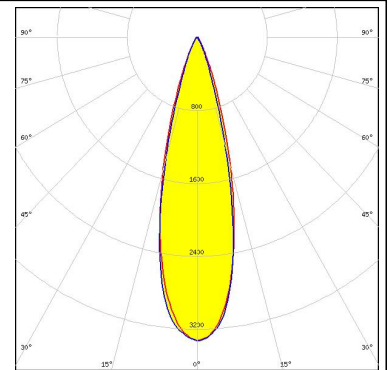
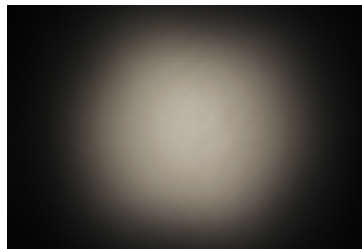
LED LUXEON Rebel ES
 FWHM 29.0°
 Efficiency 88 %
 Peak intensity 3.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



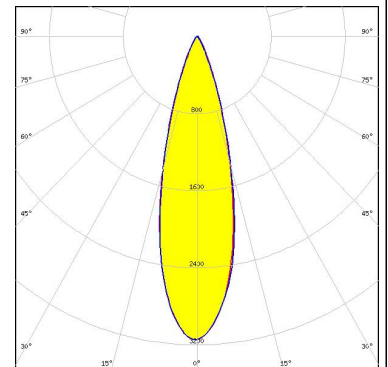
PHOTOMETRIC DATA (MEASURED):



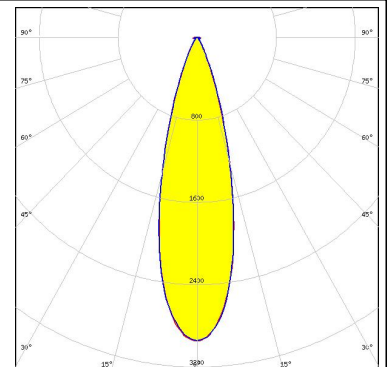
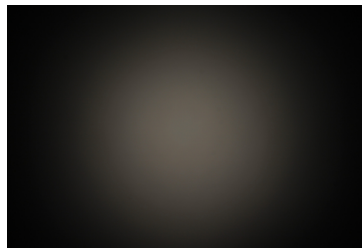
LED NVSW219D
 FWHM 28.0°
 Efficiency 94 %
 Peak intensity 3.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



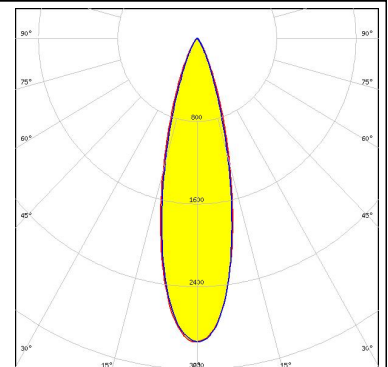
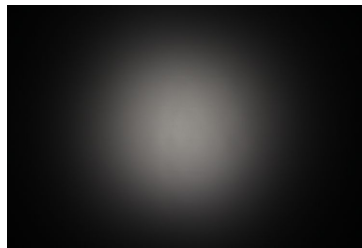
LED NVSW319B
 FWHM 28.0°
 Efficiency 94 %
 Peak intensity 3.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW3x9A
 FWHM 28.0°
 Efficiency 92 %
 Peak intensity 2.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



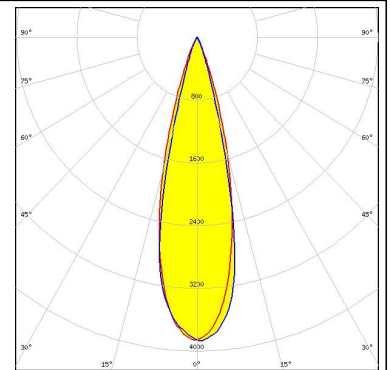
LED NWSx229A
 FWHM 27.0°
 Efficiency 85 %
 Peak intensity 2.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

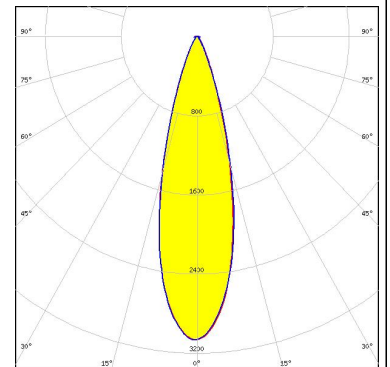
OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM 27.0°
Efficiency 88 %
Peak intensity 3.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



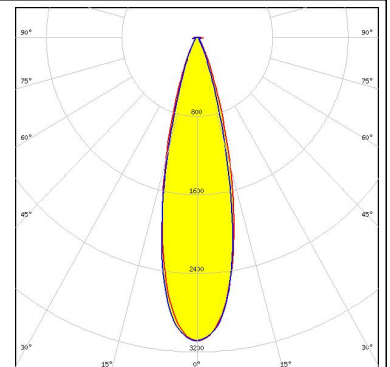
SEOL
SEOUL SEMICONDUCTOR

LED Z5M3
FWHM 28.0°
Efficiency 94 %
Peak intensity 3.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOL
SEOUL SEMICONDUCTOR

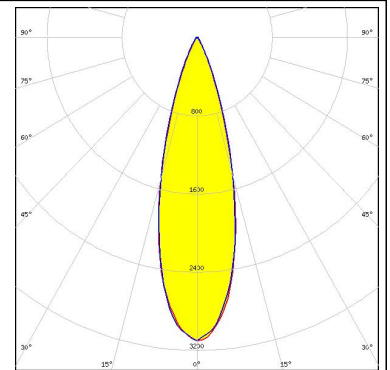
LED Z8Y22P
FWHM 27.0°
Efficiency 93 %
Peak intensity 3.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):



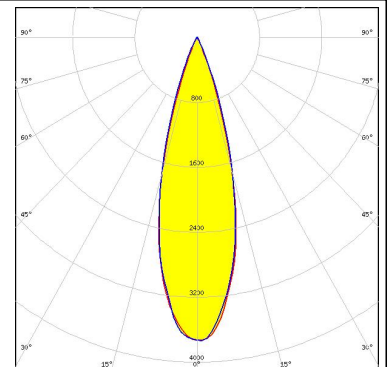
LED XP-G2 HE
FWHM 30.0°
Efficiency 93 %
Peak intensity 3.119 cd/lm
LEDs/each optic 1
Light colour White
Required components:



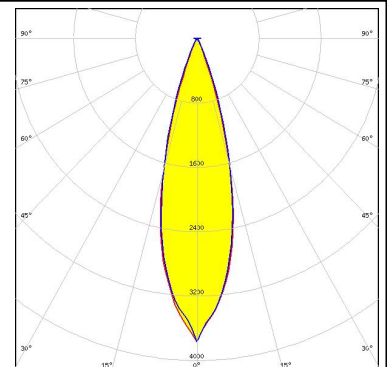
LED LUXEON IR Domed 150
FWHM 27.0°
Efficiency 93 %
Peak intensity 0.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON SunPlus 20 Line (120 deg)
FWHM 29.0°
Efficiency 96 %
Peak intensity 3.758 cd/lm
LEDs/each optic 1
Light colour White
Required components:



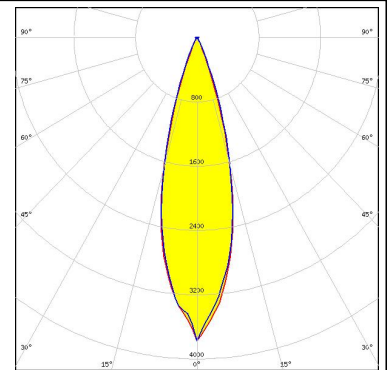
LED LUXEON SunPlus 20 Line (150 deg)
FWHM 28.0°
Efficiency 92 %
Peak intensity 3.770 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

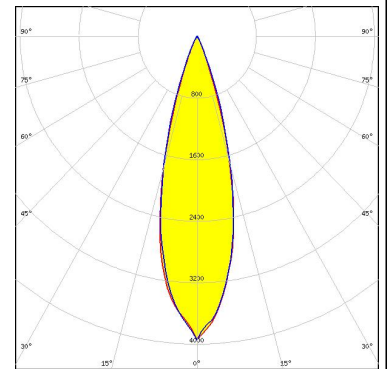
LUMILEDS

LED LUXEON SunPlus 20 Line (150 deg)
FWHM 28.0°
Efficiency 92 %
Peak intensity 3.776 cd/lm
LEDs/each optic 1
Light colour White
Required components:



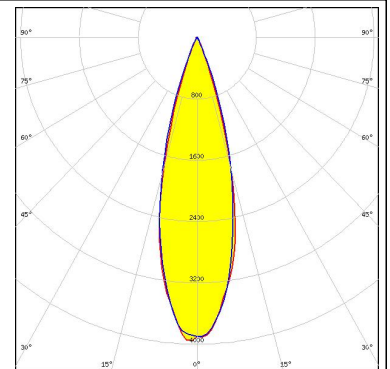
LUMILEDS

LED LUXEON SunPlus 35 Line
FWHM 28.0°
Efficiency 94 %
Peak intensity 3.940 cd/lm
LEDs/each optic 1
Light colour White
Required components:



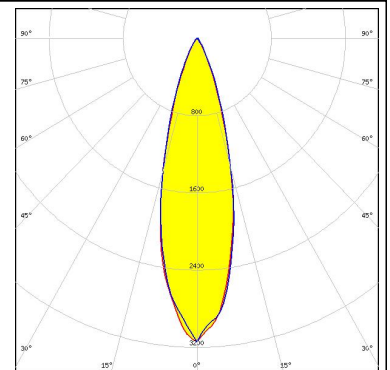
LUMILEDS

LED LUXEON Z ES
FWHM 28.0°
Efficiency 94 %
Peak intensity 4.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:

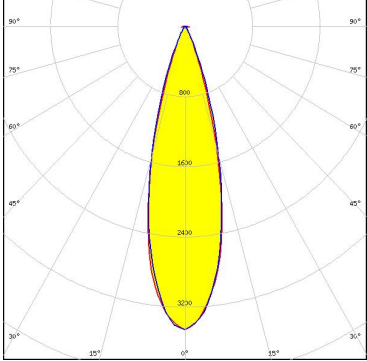
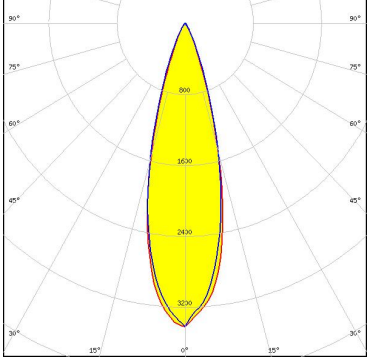
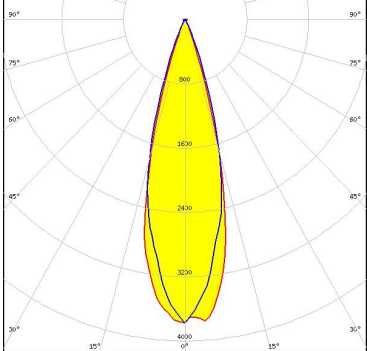


NICHIA

LED NV4WB35AM
FWHM 28.0°
Efficiency 94 %
Peak intensity 3.144 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED NVSxE21A FWHM 28.0° Efficiency 94 % Peak intensity 3.476 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3737 Flat FWHM 28.0° Efficiency 95 % Peak intensity 3.420 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Black Flat FWHM 29.0° Efficiency 94 % Peak intensity 3.800 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

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.

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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

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support

[www.ledil.com/
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