

HEIDI-D

~10° diffused spot beam optimized for LUXEON Rebel ES

SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

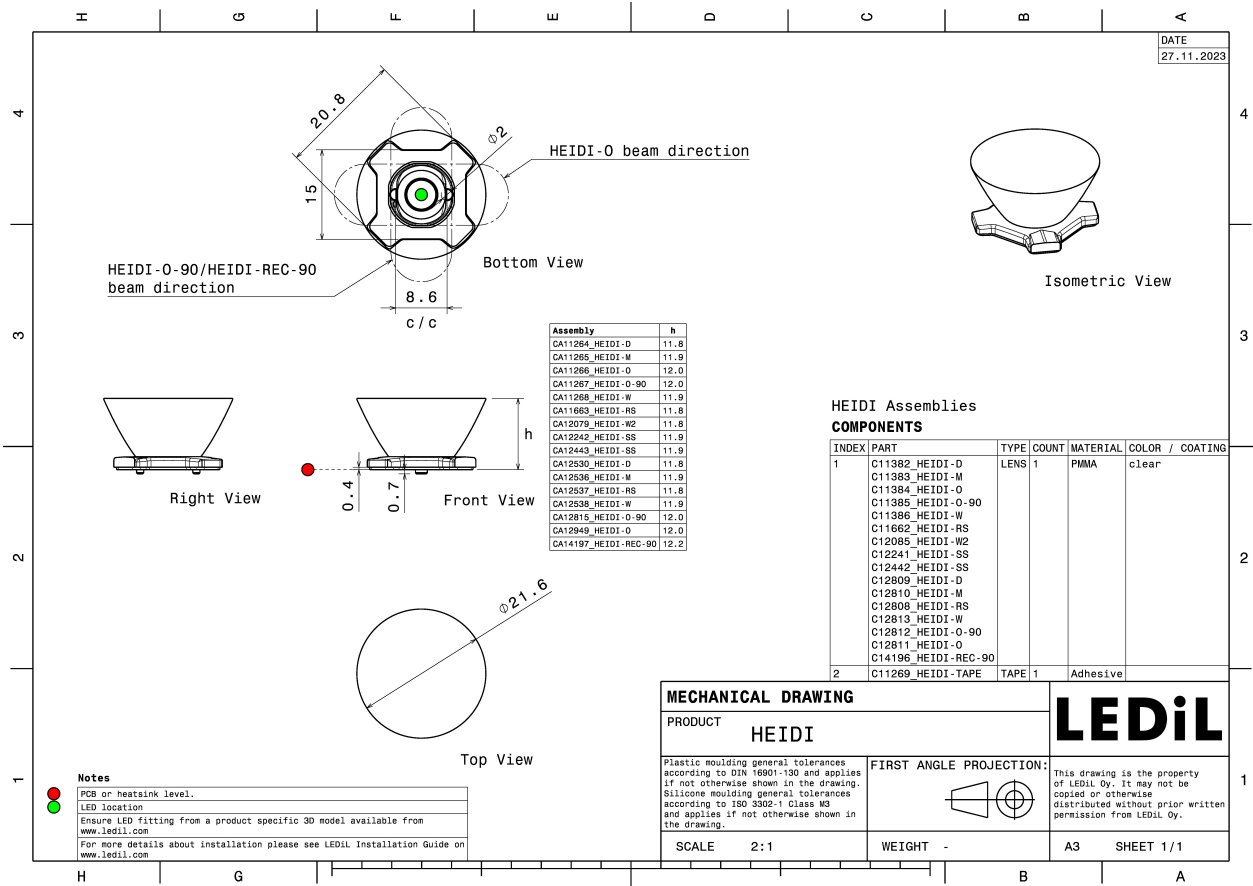


MATERIALS:

Component	Type	Material	Colour	Finish
HEIDI-D	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	Acrylic foam	black	


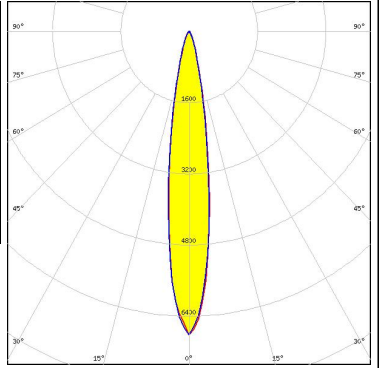

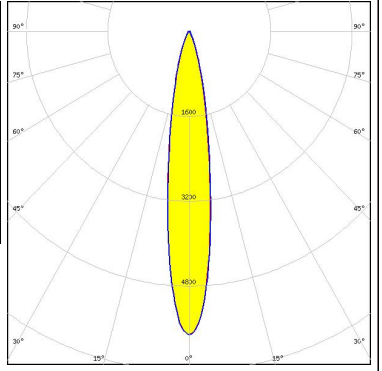

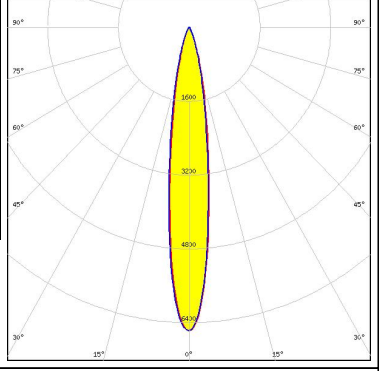

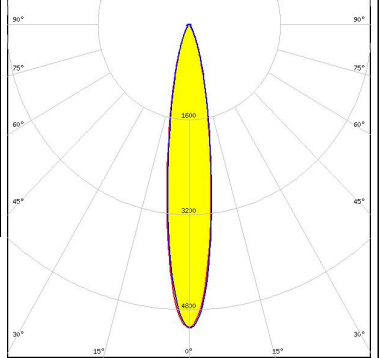
ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA12530_HEIDI-D	Single lens	3264	204	204	10.3
» Box size: 480 x 280 x 300 mm					



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

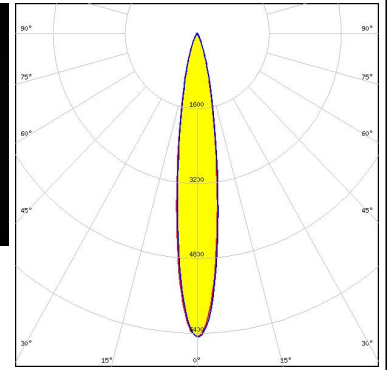
OPTICAL RESULTS (MEASURED):

<p>CREE LEDs</p> <p>LED XHP35 HD FWHM / FWTM 20.0° / 46.0° Efficiency 83 % Peak intensity 4.2 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED XHP35 HI FWHM / FWTM 17.0° / 38.0° Efficiency 94 % Peak intensity 5.7 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED XP-G2 FWHM / FWTM 15.0° / 36.0° Efficiency 94 % Peak intensity 6.6 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED XP-G3 FWHM / FWTM 17.0° / 40.0° Efficiency 94 % Peak intensity 5.1 cd/m LEDs/each optic 1 Light colour White Required components:</p>		

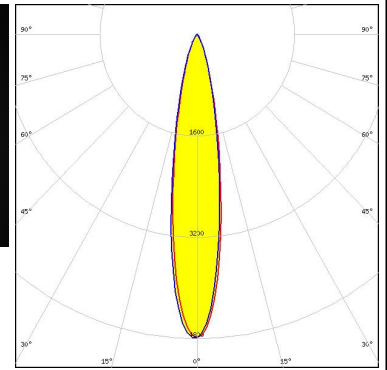
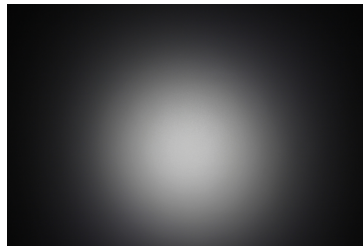
OPTICAL RESULTS (MEASURED):



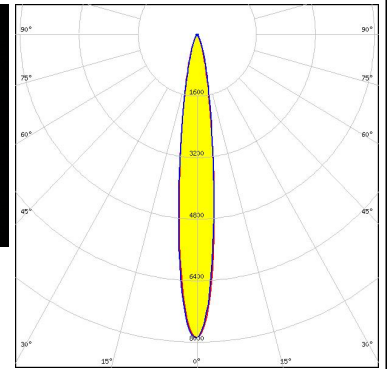
LED XP-G4
 FWHM / FWTM 16.0° / 37.0°
 Efficiency 94 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-L HD
 FWHM / FWTM 18.0° / 41.0°
 Efficiency 85 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XT-E
 FWHM / FWTM 14.0° / 32.0°
 Efficiency 94 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



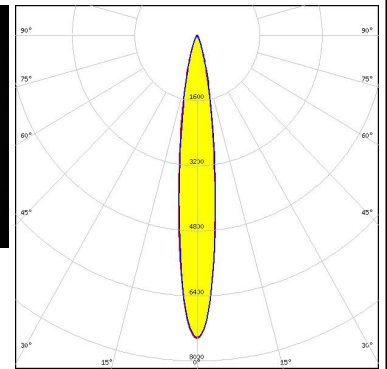
LED LUXEON A
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 86 %
 Peak intensity 10 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

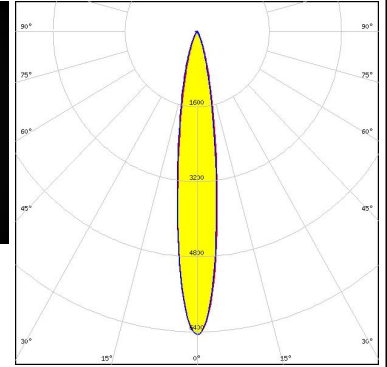
LUMILEDS

LED LUXEON Rebel
 FWHM / FWTM 14.0° / 34.0°
 Efficiency 86 %
 Peak intensity 7.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



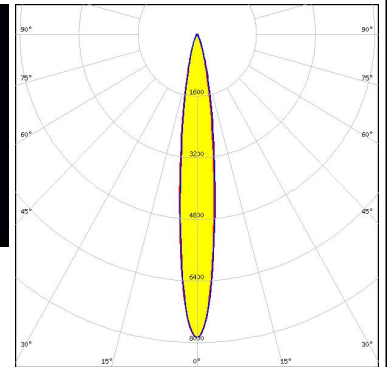
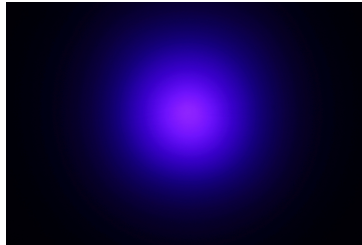
LUMILEDS

LED LUXEON Rebel ES
 FWHM / FWTM 15.0° / 36.0°
 Efficiency 91 %
 Peak intensity 6.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



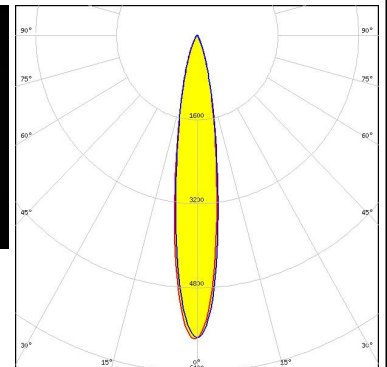
LUMINUS

LED SST-10-B130
 FWHM / FWTM 14.0° / 32.0°
 Efficiency 93 %
 Peak intensity 7.9 cd/m
 LEDs/each optic 1
 Light colour Blue
 Required components:


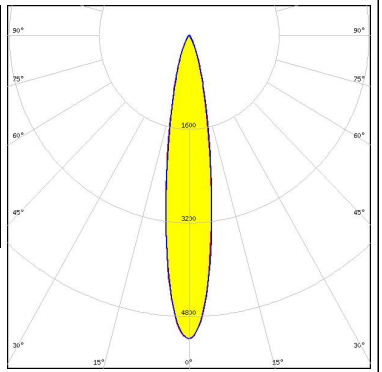

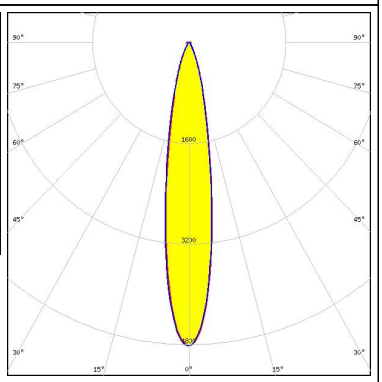
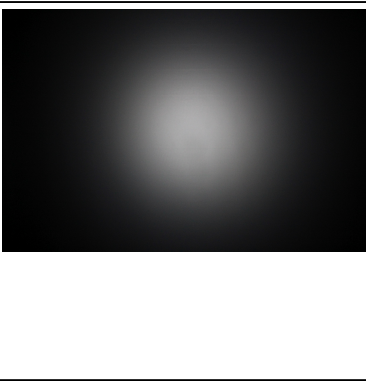
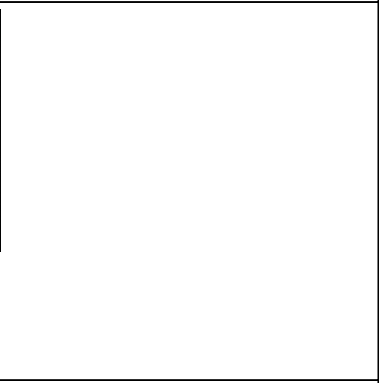

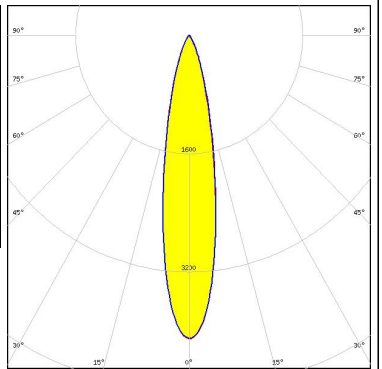


NICHIA


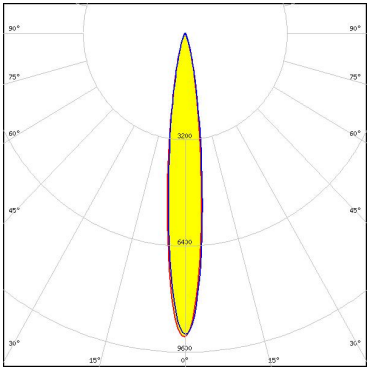

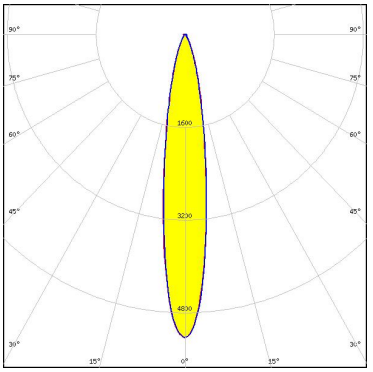

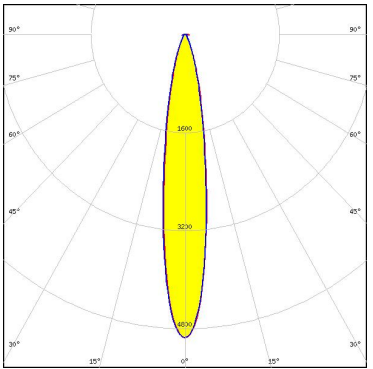
LED NVSW219D
 FWHM / FWTM 16.0° / 39.0°
 Efficiency 94 %
 Peak intensity 5.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM 18.0° / 41.0° Efficiency 93 % Peak intensity 5.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW3x9A FWHM / FWTM 18.0° / 41.0° Efficiency 90 % Peak intensity 4.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW519A FWHM / FWTM 20.0° / 45.0° Efficiency 94 % Peak intensity 4.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NWSx229A FWHM / FWTM 20.0° / 45.0° Efficiency 84 % Peak intensity 4.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

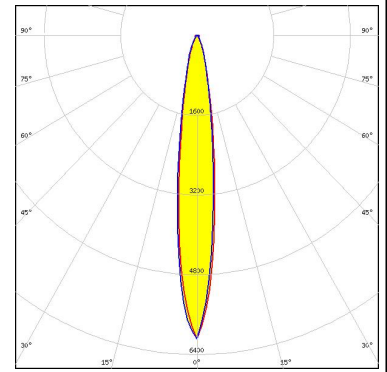
OPTICAL RESULTS (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 13.0° / 30.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 9.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM 17.0° / 40.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 5.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 17.0° / 39.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

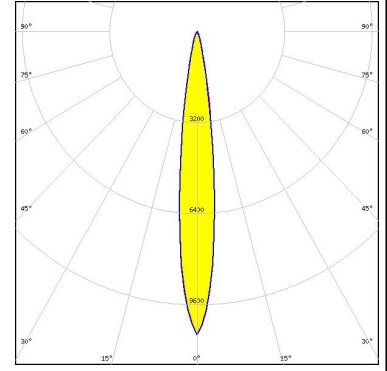
OPTICAL RESULTS (SIMULATED):



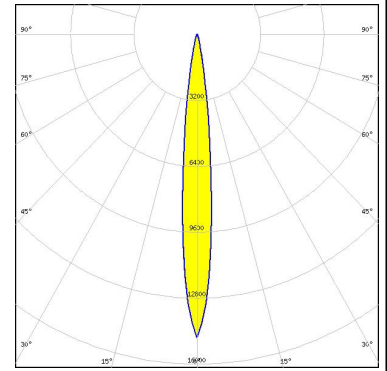
LED XHP35.2 HI
 FWHM / FWTM 14.0° / 35.0°
 Efficiency 88 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G2 HE
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 95 %
 Peak intensity 10.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON HL2Z
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 95 %
 Peak intensity 14.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON R
 FWHM / FWTM 12.0° / 26.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:

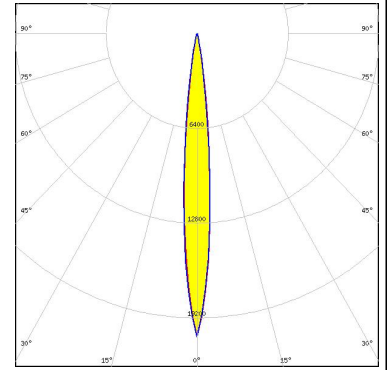
OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON SunPlus 20 Line (120 deg)</p> <p>FWHM / FWTM 9.0° / 18.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 26.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON SunPlus 20 Line (150 deg)</p> <p>FWHM / FWTM 8.7° / 18.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 25.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON SunPlus 20 Line (150 deg)</p> <p>FWHM / FWTM 8.0° / 18.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 24.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON SunPlus 35 Line</p> <p>FWHM / FWTM 8.5° / 18.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 27.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

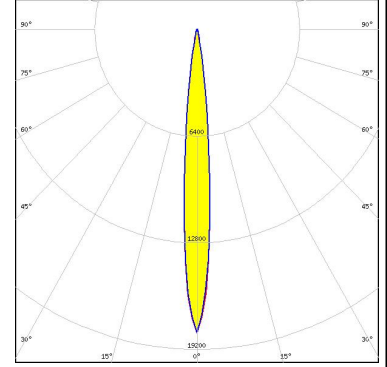
LUMILEDS

LED LUXEON Z ES
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 94 %
 Peak intensity 20.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



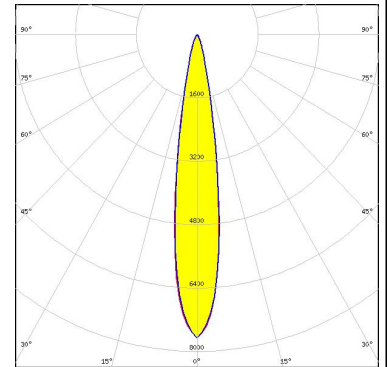
NICHIA

LED NCSxE17A
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 92 %
 Peak intensity 18.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



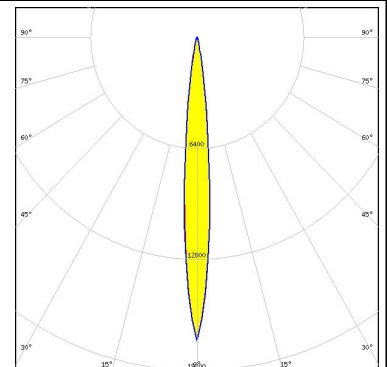
NICHIA

LED NV4WB35AM
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 96 %
 Peak intensity 7.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NVSxE21A
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 94 %
 Peak intensity 17.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

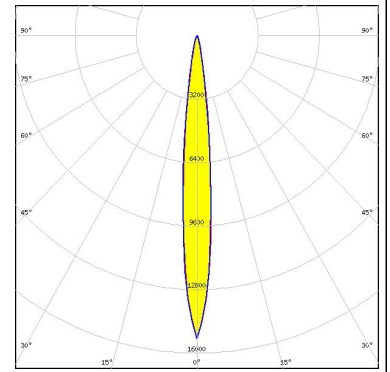


OPTICAL RESULTS (SIMULATED):

OSRAM

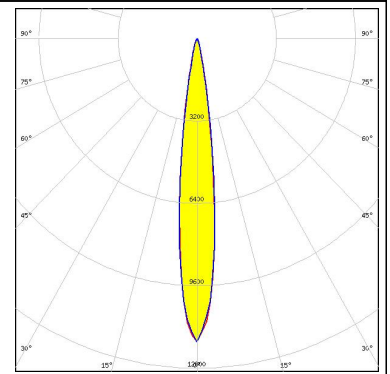
Opto Semiconductors

LED OSCONIQ P 3737 Flat
FWHM / FWTM 11.0° / 23.0°
Efficiency 97 %
Peak intensity 15.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED LH351C
FWHM / FWTM 14.0° / 26.0°
Efficiency 96 %
Peak intensity 11.8 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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