

HEIDI-O

~50° x 11° oval beam

SPECIFICATION:

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

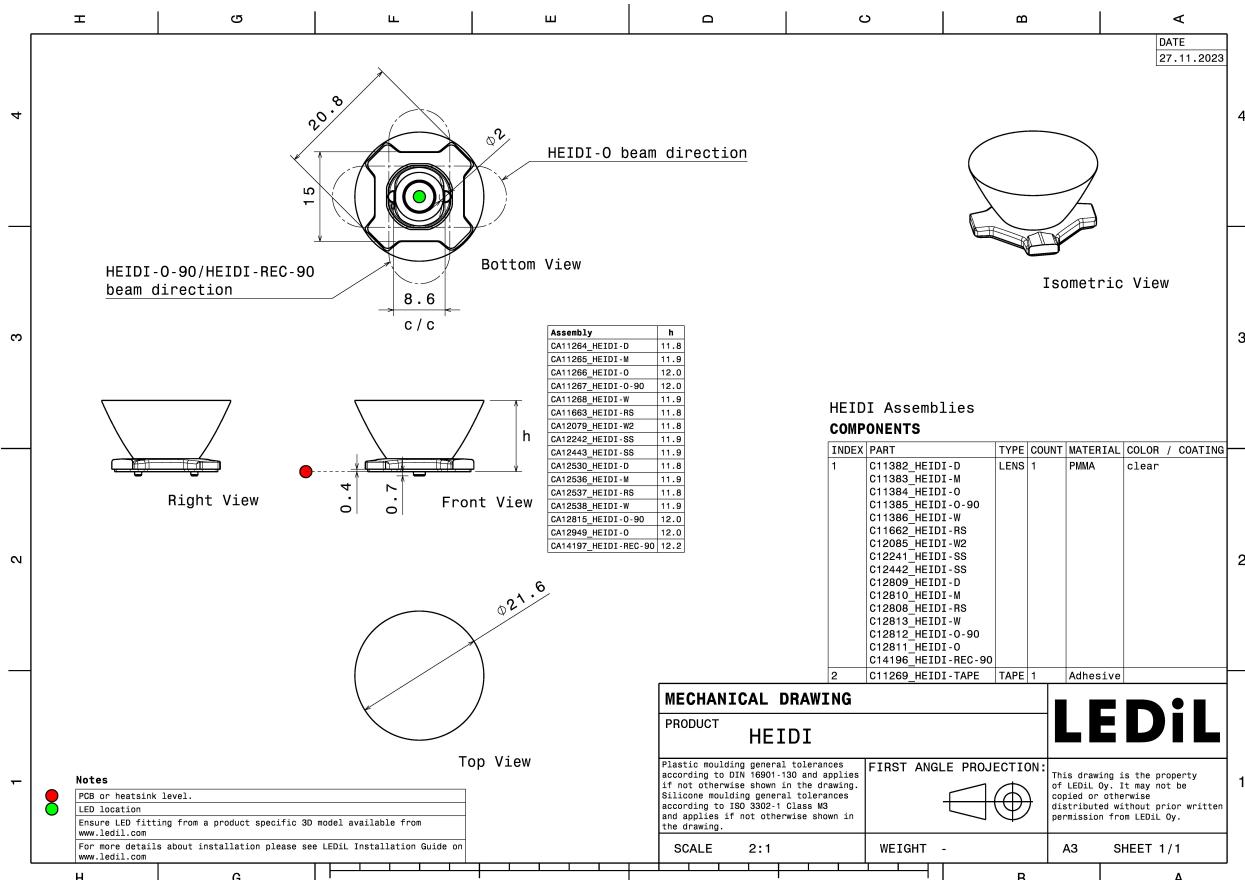


MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA12949_HEIDI-O » Box size: 480 x 280 x 300 mm	Single lens	3264	204	204



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

OPTICAL RESULTS (MEASURED):



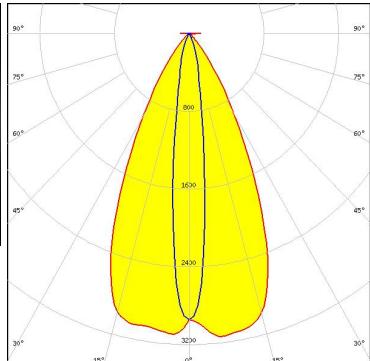
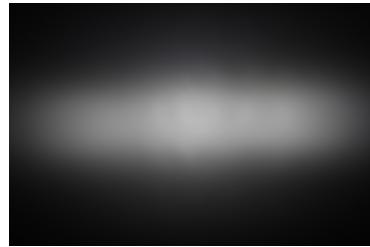
LED	XHP35 HD
FWHM / FWTM	51.0 + 18.0° / 84.0 + 50.0°
Efficiency	77 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



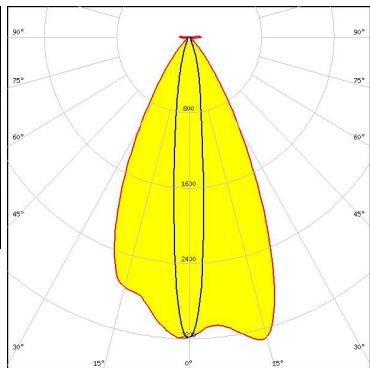
LED	XHP35 HI
FWHM / FWTM	53.0 + 14.0° / 80.0 + 40.0°
Efficiency	79 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



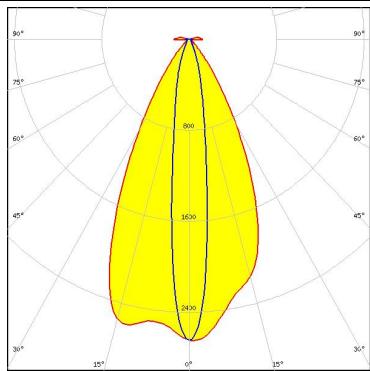
LED	XP-G2
FWHM / FWTM	52.0 + 12.0° / 78.0 + 33.0°
Efficiency	91 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



LED	XP-G3
FWHM / FWTM	51.0 + 14.0° / 79.0 + 39.0°
Efficiency	90 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White

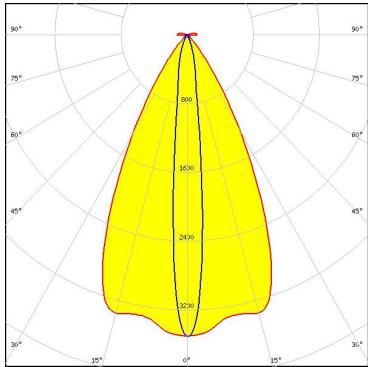
Required components:



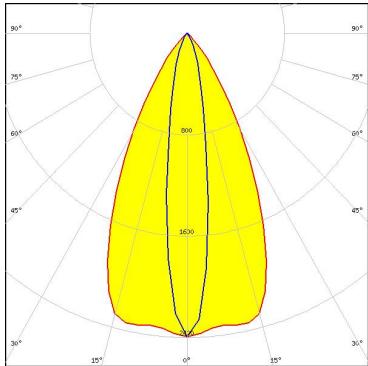
OPTICAL RESULTS (MEASURED):



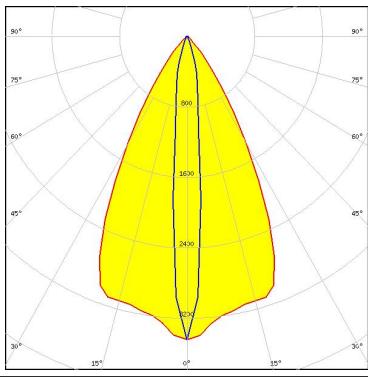
LED XP-G4
 FWHM / FWTM $54.0 + 11.5^\circ / 77.0 + 31.0^\circ$
 Efficiency 92 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



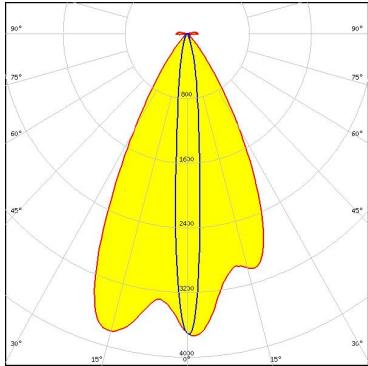
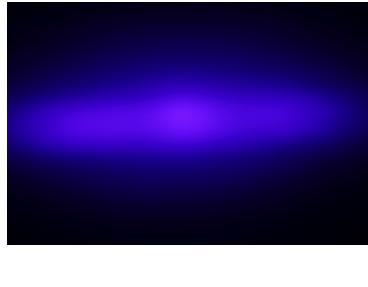
LED XP-L HD
 FWHM / FWTM $52.0 + 16.0^\circ / 79.0 + 41.0^\circ$
 Efficiency 81 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



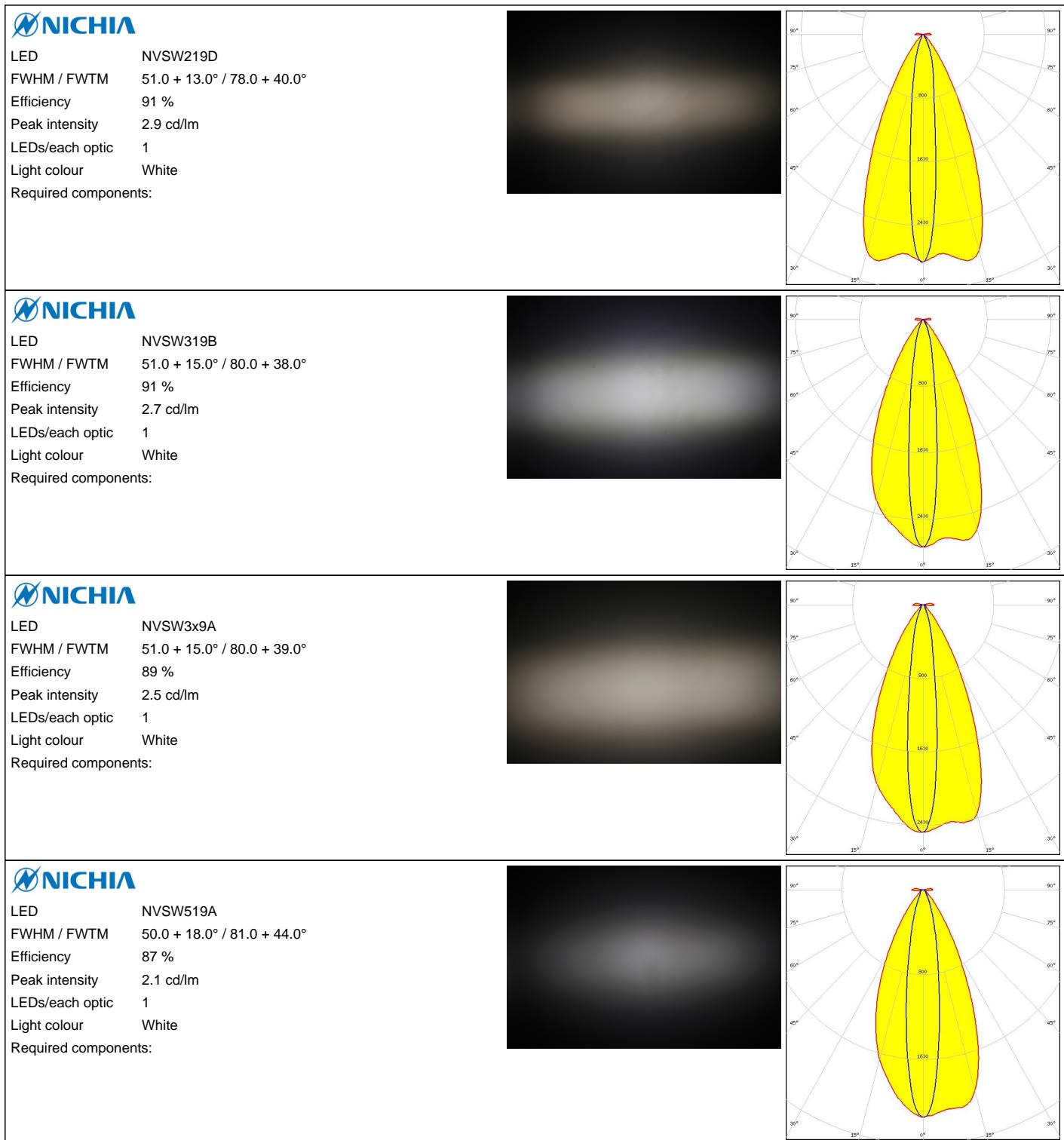
LED LUXEON Rebel ES
 FWHM / FWTM $53.0 + 12.0^\circ / 76.0 + 33.0^\circ$
 Efficiency 82 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



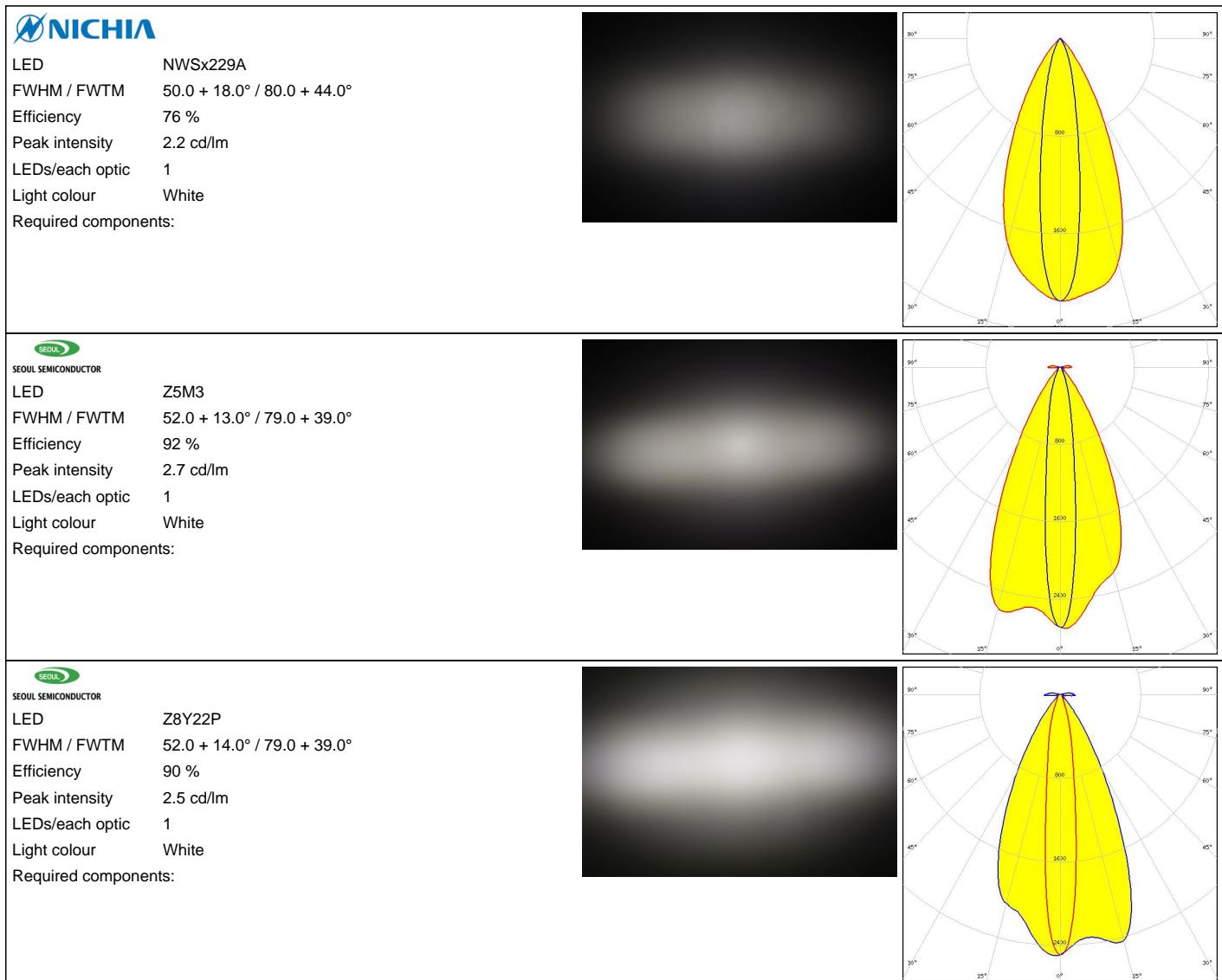
LED SST-10-B130
 FWHM / FWTM $54.0 + 9.5^\circ / 77.0 + 28.0^\circ$
 Efficiency 90 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour Blue
 Required components:



OPTICAL RESULTS (MEASURED):



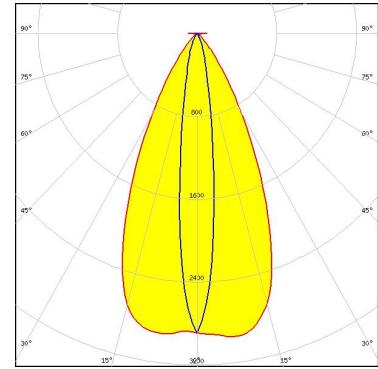
OPTICAL RESULTS (MEASURED):



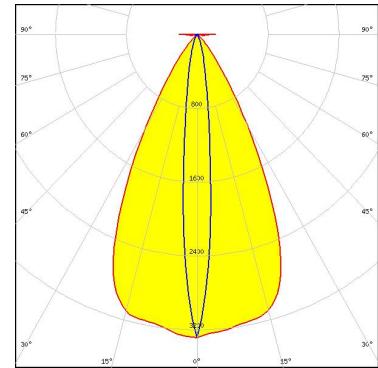
OPTICAL RESULTS (SIMULATED):



LED XP-G2 HE
FWHM / FWTM 50.0 + 14.0° / 78.0 + 35.0°
Efficiency 88 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON A
FWHM / FWTM 51.0 + 12.0° / 76.0 + 30.0°
Efficiency 84 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON HL2Z
FWHM / FWTM 54.0 + 10.0° / 76.0 + 28.0°
Efficiency 89 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



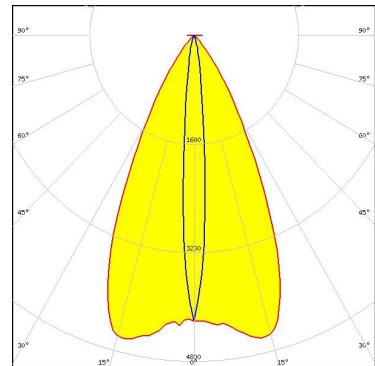
LED LUXEON R
FWHM / FWTM 53.0 + 12.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON SunPlus 20 Line (120 deg)
FWHM / FWTM	52.0 + 9.0° / 76.0 + 22.0°
Efficiency	91 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour	White

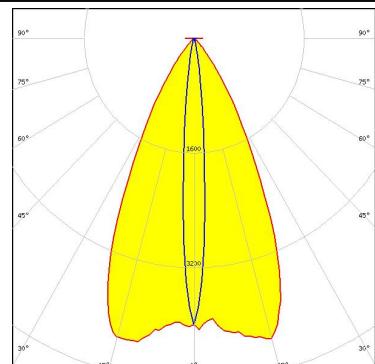
Required components:



LUMILEDS

LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	52.0 + 10.0° / 76.0 + 20.0°
Efficiency	87 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour	White

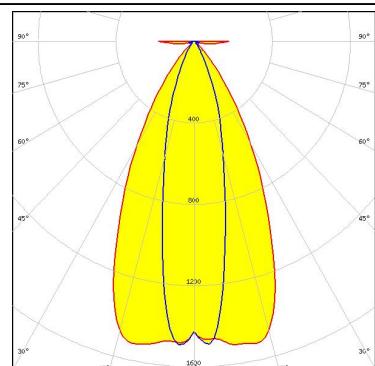
Required components:



NICHIA

LED	NCSxE17A
FWHM / FWTM	54.0 + 24.0° / 180.0 + 54.0°
Efficiency	81 %
Peak intensity	1.5 cd/lm
LEDs/each optic	4
Light colour	White

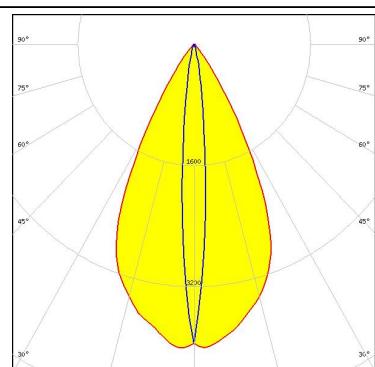
Required components:



OSRAM

LED	OSLON Black
FWHM / FWTM	53.0 + 9.0° / 54.0 + 23.0°
Efficiency	88 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White

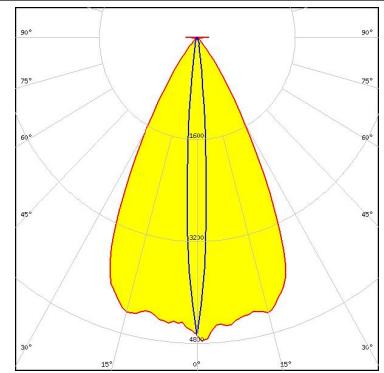
Required components:



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSLON Black Flat (LUW HWQP)
FWHM / FWTM 54.0 + 8.0° / 74.0 + 18.0°
Efficiency 89 %
Peak intensity 4.8 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:

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