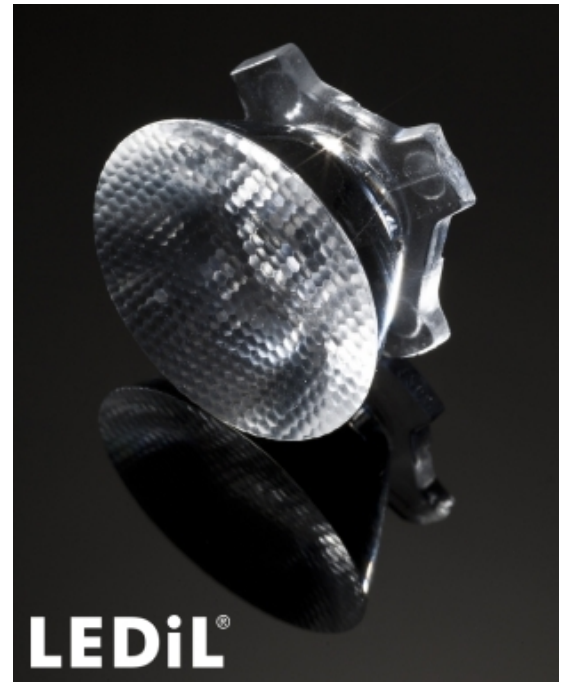


HEIDI-SS

~15° smooth spot beam optimized for LUXEON Rebel ES

TECHNICAL SPECIFICATIONS:

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

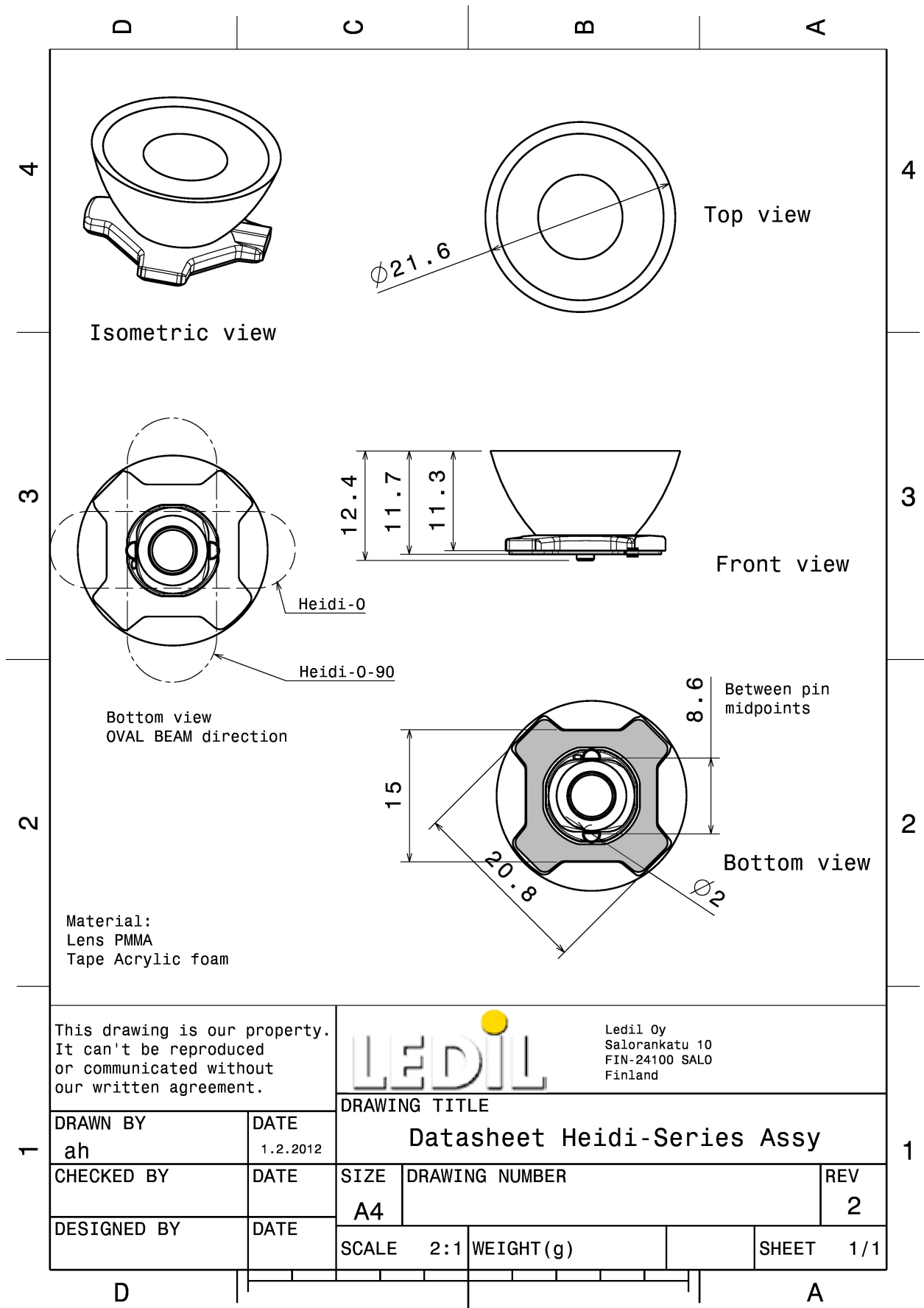


MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA12443_HEIDI-SS » Box size: 480 x 280 x 300 mm	Single lens	3264	204	204	11.1



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Ledil Oy
Salorankatu 10
FIN-24100 SALO
Finland

DRAWING TITLE

Datasheet Heidi-Series Ass'y

DRAWN BY
ah

DATE
1.2.2012

CHECKED BY

DATE

SIZE
A4

DRAWING NUMBER

REV
2

DESIGNED BY

DATE

SCALE

2:1

WEIGHT (g)

SHEET

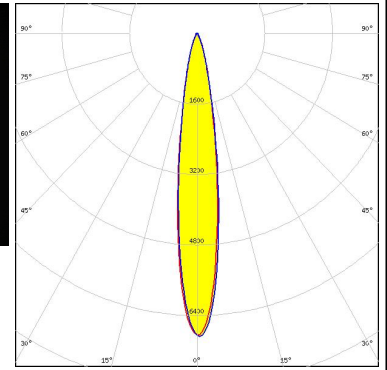
1/1

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

PHOTOMETRIC DATA (MEASURED):



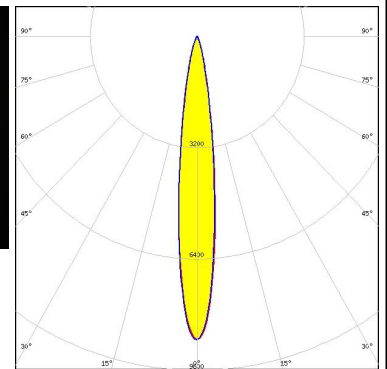
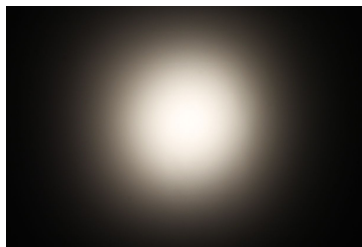
LED XP-G3
 FWHM / FWTM 16.0° / 35.0°
 Efficiency 94 %
 Peak intensity 6.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



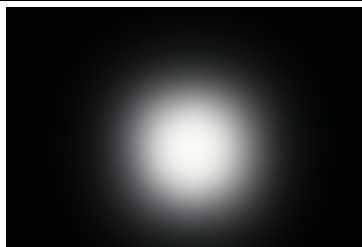
LED LUXEON R
 FWHM / FWTM 16.0° / 36.0°
 Efficiency 91 %
 Peak intensity 6.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON Rebel
 FWHM / FWTM 14.0° / 31.0°
 Efficiency 89 %
 Peak intensity 8.7 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



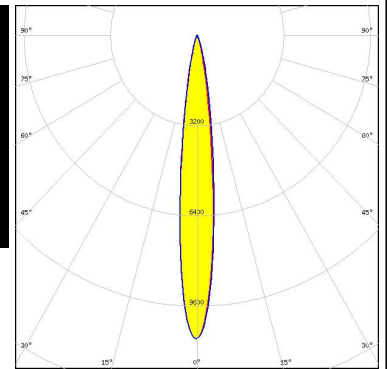
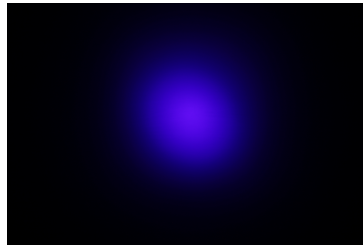
LED LUXEON Rebel ES
 FWHM / FWTM 14.0° / 34.0°
 Efficiency 91 %
 Peak intensity 6.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



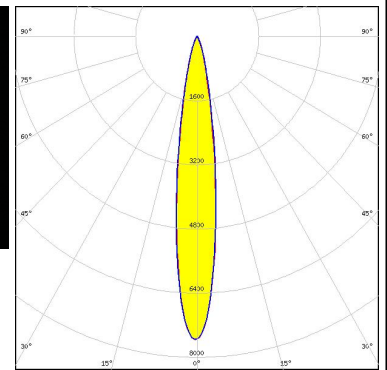
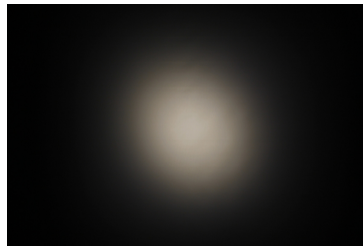
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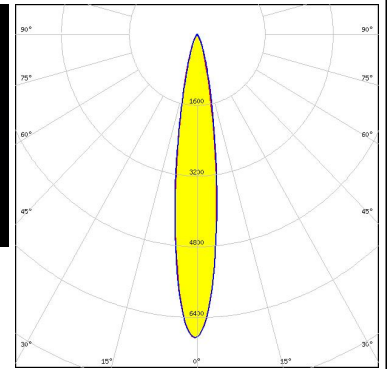
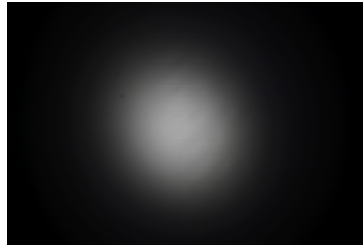
LED SST-10-B130
 FWHM / FWTM 13.0° / 27.0°
 Efficiency 95 %
 Peak intensity 10.8 cd/lm
 LEDs/each optic 1
 Light colour Blue
 Required components:



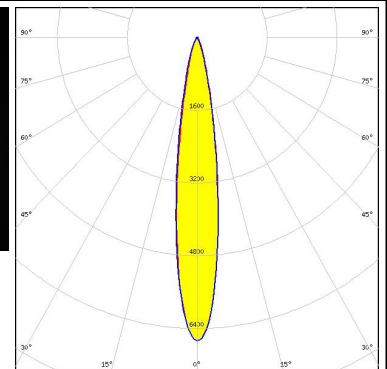
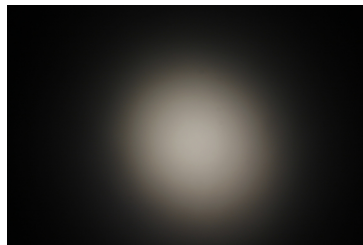
LED NVSW219D
 FWHM / FWTM 15.0° / 33.0°
 Efficiency 94 %
 Peak intensity 7.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




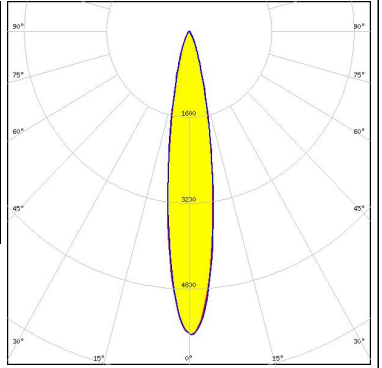

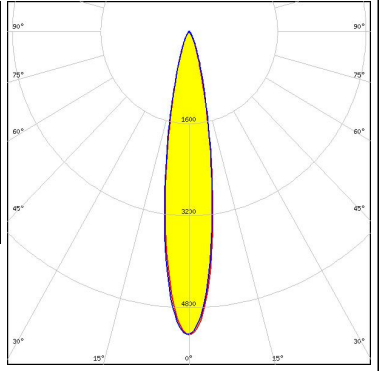

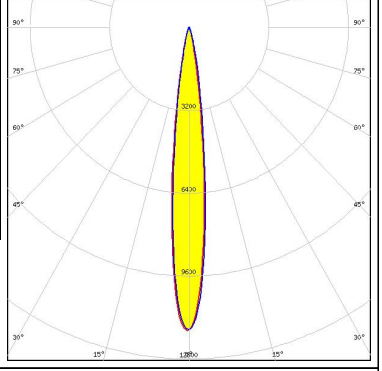

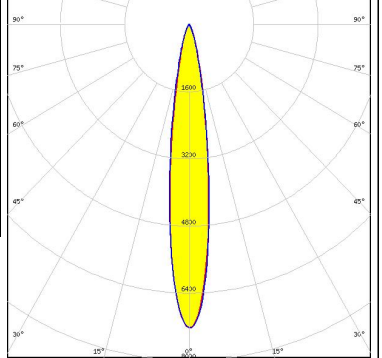
LED NVSW319B
 FWHM / FWTM 16.0° / 35.0°
 Efficiency 94 %
 Peak intensity 6.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



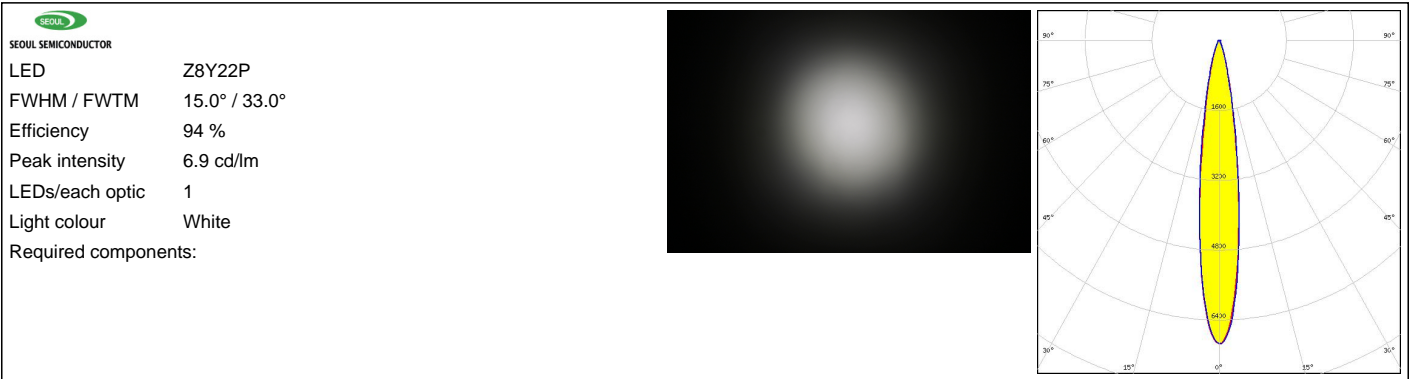
LED NVSW3x9A
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 92 %
 Peak intensity 6.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NVSW519A FWHM / FWTM 18.0° / 39.0° Efficiency 95 % Peak intensity 5.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NWSx229A FWHM / FWTM 18.0° / 39.0° Efficiency 86 % Peak intensity 5.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLON SSL 150 FWHM / FWTM 12.0° / 25.0° Efficiency 91 % Peak intensity 11.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M3 FWHM / FWTM 15.0° / 33.0° Efficiency 94 % Peak intensity 7.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

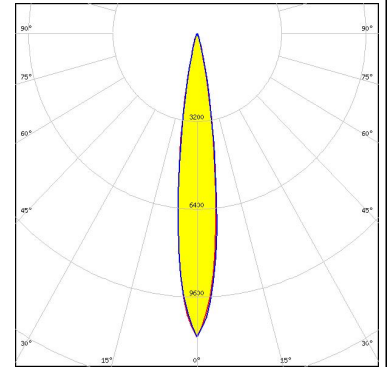
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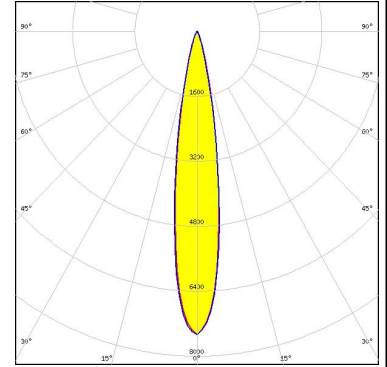
PHOTOMETRIC DATA (SIMULATED):



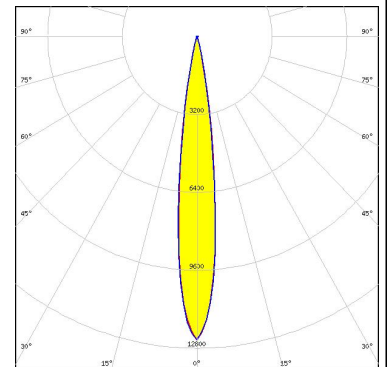
LED XP-G2
 FWHM / FWTM 15.0° / 28.0°
 Efficiency 96 %
 Peak intensity 11.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



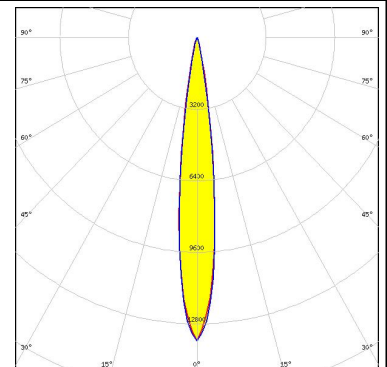
LED XP-G2 HE
 FWHM / FWTM 17.0° / 34.0°
 Efficiency 94 %
 Peak intensity 7.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



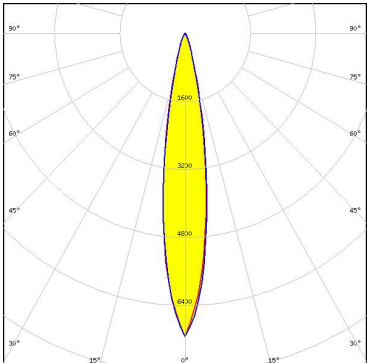
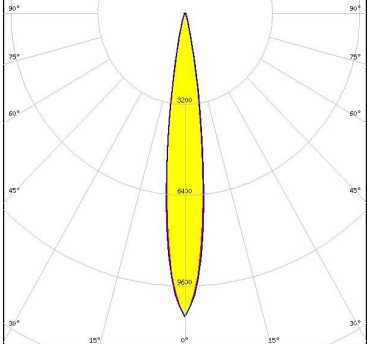
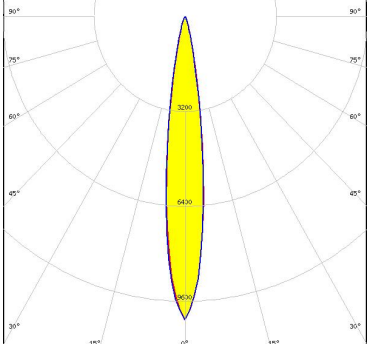
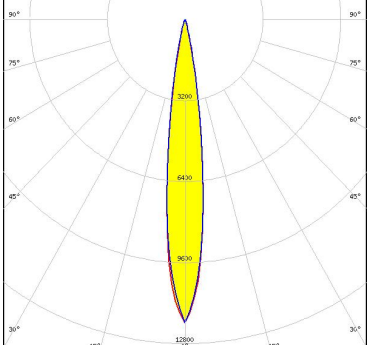
LED LUXEON SunPlus 20 Line (150 deg)
 FWHM / FWTM 14.0° / 25.0°
 Efficiency 93 %
 Peak intensity 12.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON SunPlus 35 Line
 FWHM / FWTM 14.0° / 25.0°
 Efficiency 94 %
 Peak intensity 13.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

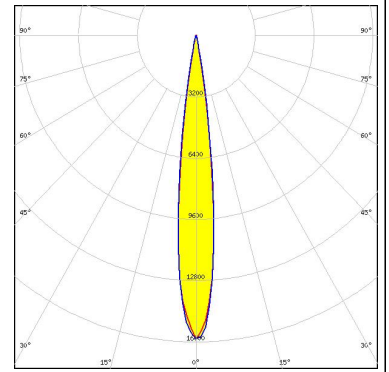
<p>NICHIA</p> <p>LED: NV4WB35AM FWHM / FWTM: 17.0° / 34.0° Efficiency: 96 % Peak intensity: 7.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: 14.0° / 27.0° Efficiency: 94 % Peak intensity: 11.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSCONIQ P 3737 Flat FWHM / FWTM: 14.0° / 29.0° Efficiency: 96 % Peak intensity: 10.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSOLON Black FWHM / FWTM: 14.0° / 26.0° Efficiency: 94 % Peak intensity: 12 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

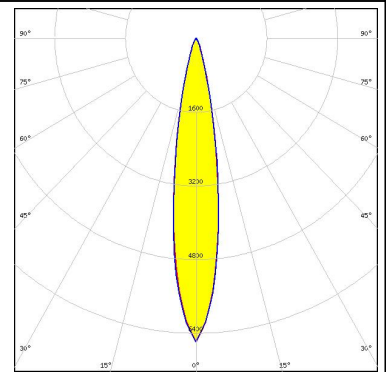
Opto Semiconductors

LED OSLON Black Flat
FWHM / FWTM 13.0° / 22.0°
Efficiency 94 %
Peak intensity 15.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED LH351D
FWHM / FWTM 18.0° / 34.0°
Efficiency 94 %
Peak intensity 6.6 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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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

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