

LEILA-Y-O

~45° + 15° oval beam. 14.8 mm high assembly with holder, installation tape and pins.

SPECIFICATION:

| | |
|----------------|---|
| Dimensions | Ø 21.6 mm |
| Height | 14.8 mm |
| Fastening | tape, pin |
| ROHS compliant | yes  |

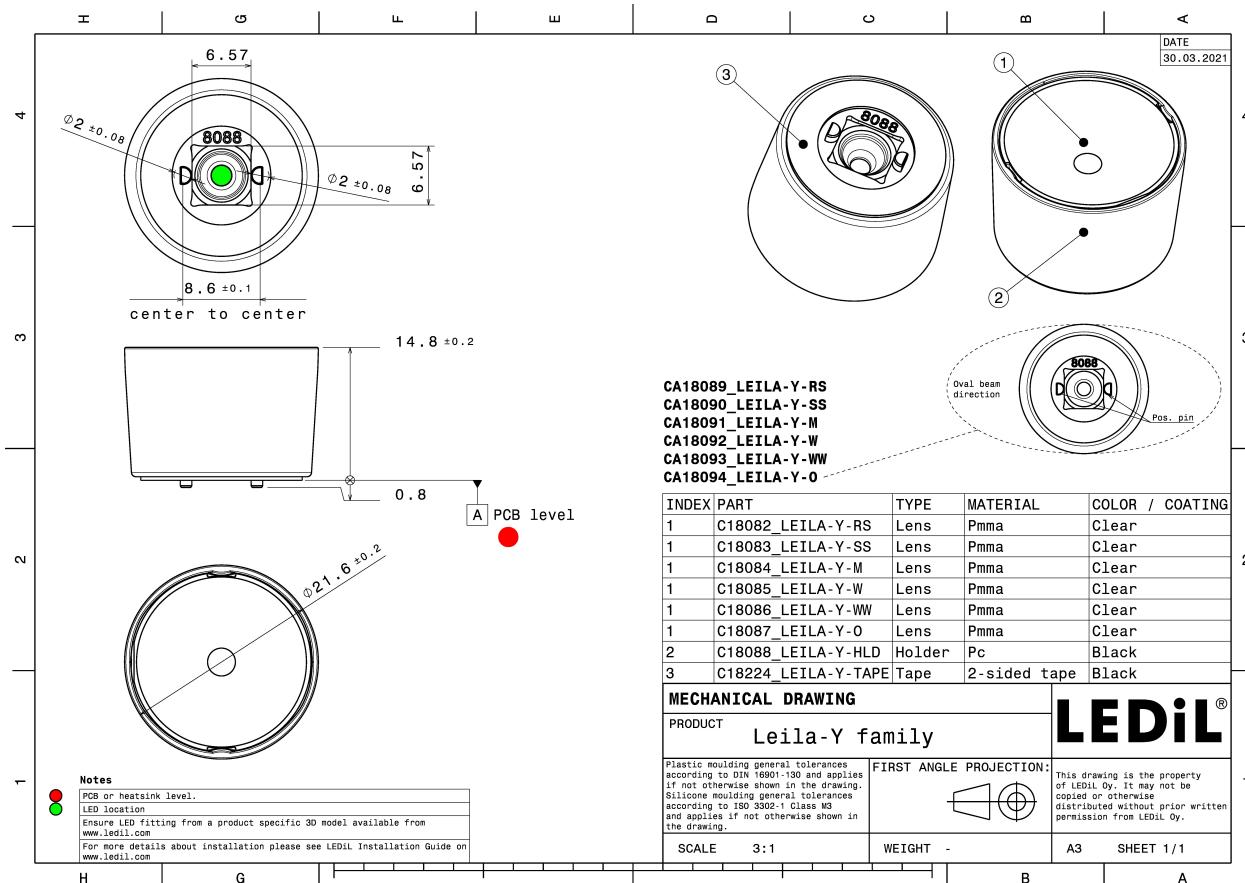


MATERIALS:

| Component | Type | Material | Colour | Finish |
|--------------|-------------|--------------|--------|--------|
| LEILA-Y-O | Single lens | PMMA | clear | gloss |
| LEILA-Y-HLD | Holder | PC | black | gloss |
| LEILA-Y-TAPE | Tape | Acrylic foam | | |

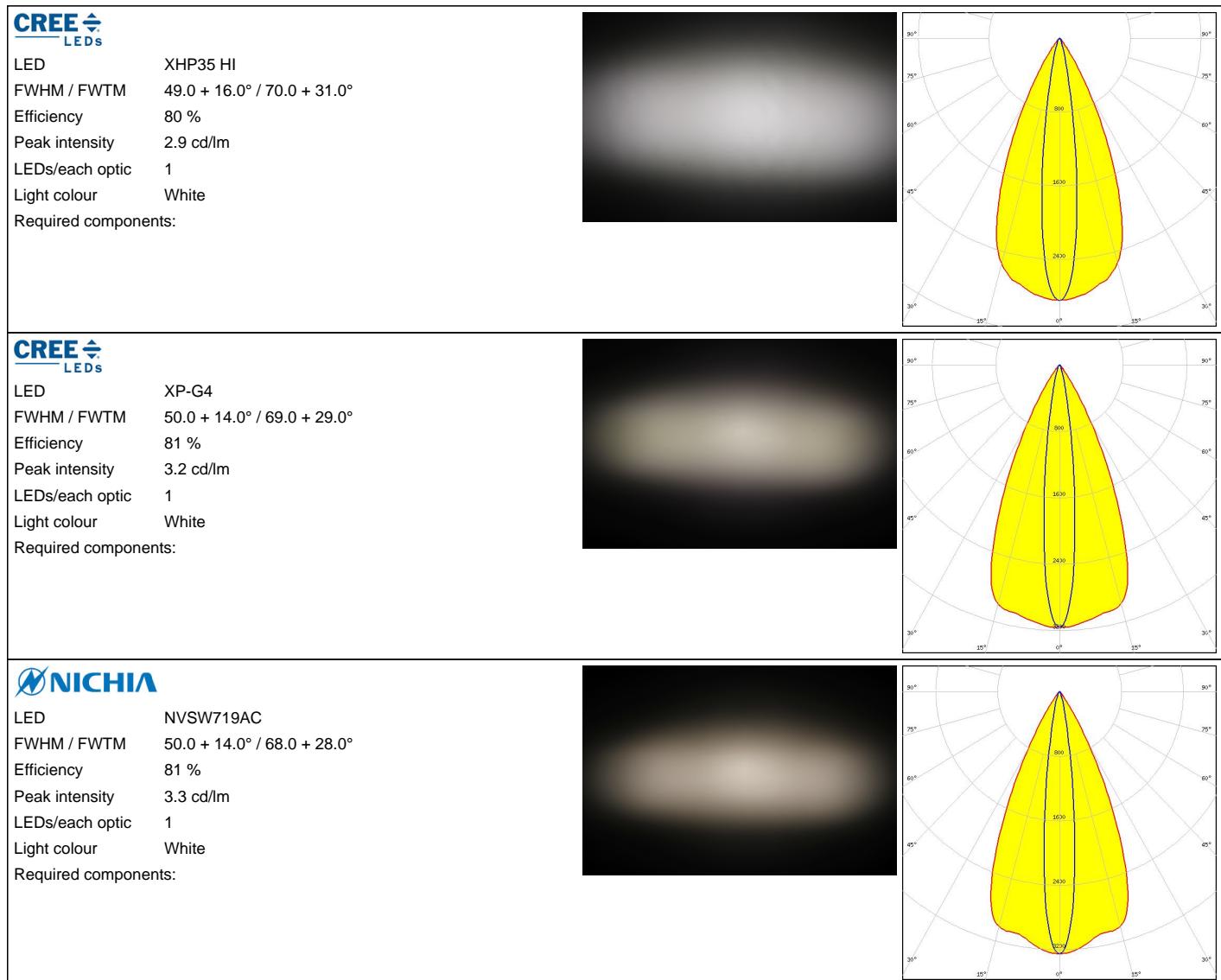
ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|------------|-----|-----|-----------------|
| CA18094_LEILA-Y-O » Box size: 476 x 273 x 197 mm | 1800 | 180 | 180 | 7.6 |



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

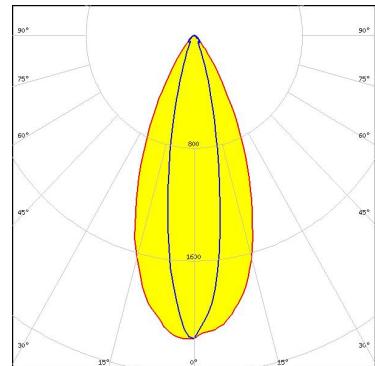
OPTICAL RESULTS (MEASURED):



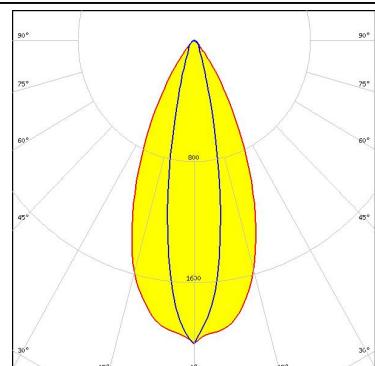
OPTICAL RESULTS (SIMULATED):



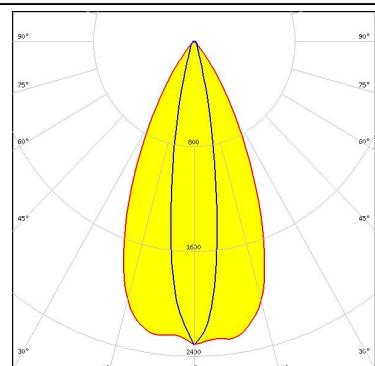
| | |
|----------------------|-------------------------|
| LED | J Series 5050 Round LES |
| FWHM / FWTM | 20.0 + 44.0° |
| Efficiency | 78 % |
| Peak intensity | 2.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



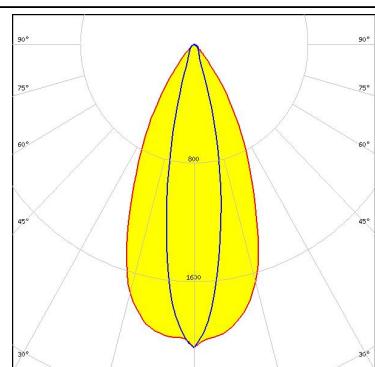
| | |
|----------------------|-----------------------------|
| LED | J Series 5050B 6V K Class |
| FWHM / FWTM | 46.0 + 20.0° / 74.0 + 42.0° |
| Efficiency | 77 % |
| Peak intensity | 2 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



| | |
|----------------------|-----------------------------|
| LED | XHP35.2 HI |
| FWHM / FWTM | 49.0 + 18.0° / 74.0 + 34.0° |
| Efficiency | 78 % |
| Peak intensity | 2.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



| | |
|----------------------|-----------------------------|
| LED | XM-L RGBW (XMLDCL HD) |
| FWHM / FWTM | 48.0 + 22.0° / 78.0 + 38.0° |
| Efficiency | 79 % |
| Peak intensity | 2 cd/lm |
| LEDs/each optic | 1 |
| Light colour | RGBW |
| Required components: | |

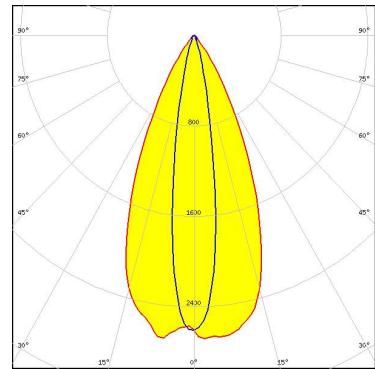


OPTICAL RESULTS (SIMULATED):



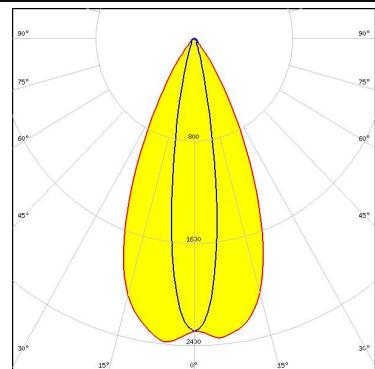
| | |
|-----------------|--------------|
| LED | XM-L2 |
| FWHM / FWTM | 17.0 + 47.0° |
| Efficiency | 81 % |
| Peak intensity | 2.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:



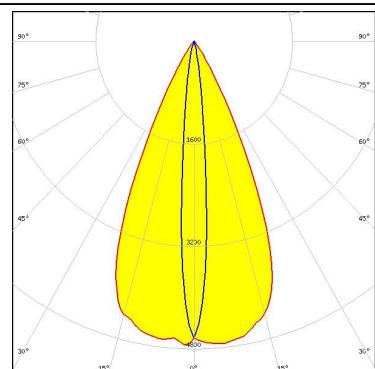
| | |
|-----------------|--------------|
| LED | XM-L3 |
| FWHM / FWTM | 17.0 + 48.0° |
| Efficiency | 76 % |
| Peak intensity | 2.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:



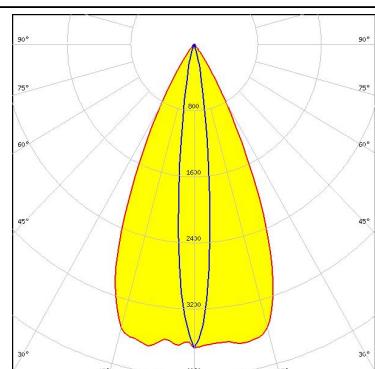
| | |
|-----------------|--------------|
| LED | XP-E2 |
| FWHM / FWTM | 10.0 + 49.0° |
| Efficiency | 85 % |
| Peak intensity | 4.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:



| | |
|-----------------|--------------|
| LED | XP-G2 |
| FWHM / FWTM | 13.0 + 49.0° |
| Efficiency | 84 % |
| Peak intensity | 3.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

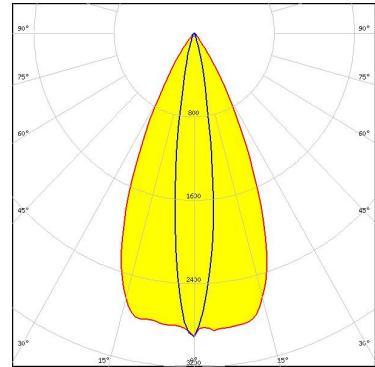


OPTICAL RESULTS (SIMULATED):



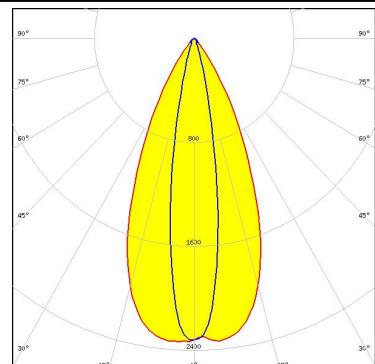
| | |
|-----------------|--------------|
| LED | XP-G3 |
| FWHM / FWTM | 15.0 + 48.0° |
| Efficiency | 80 % |
| Peak intensity | 2.9 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:



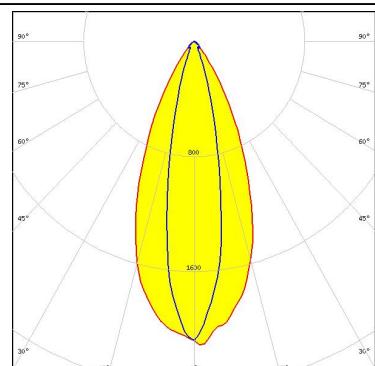
| | |
|-----------------|--------------|
| LED | XP-L2 |
| FWHM / FWTM | 18.0 + 47.0° |
| Efficiency | 77 % |
| Peak intensity | 2.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:



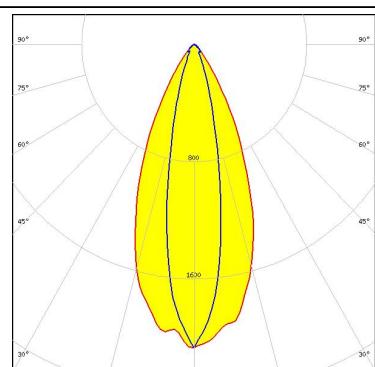
| | |
|-----------------|-----------------------|
| LED | LUXEON 5050 Round LES |
| FWHM / FWTM | 21.0 + 44.0° |
| Efficiency | 78 % |
| Peak intensity | 2.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:



| | |
|-----------------|------------------------|
| LED | LUXEON 5050 Square LES |
| FWHM / FWTM | 21.0 + 44.0° |
| Efficiency | 78 % |
| Peak intensity | 2.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

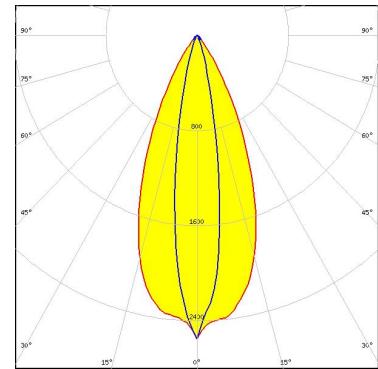
Required components:



OPTICAL RESULTS (SIMULATED):

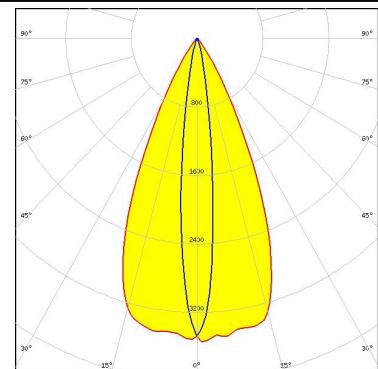
LUMILEDS

LED LUXEON MZ
 FWHM / FWTM $17.0 + 43.0^\circ$
 Efficiency 78 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



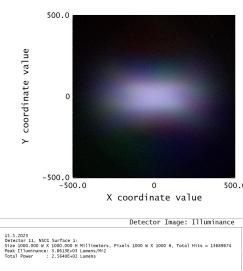
LUMILEDS

LED LUXEON TX
 FWHM / FWTM $13.0 + 48.0^\circ$
 Efficiency 82 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

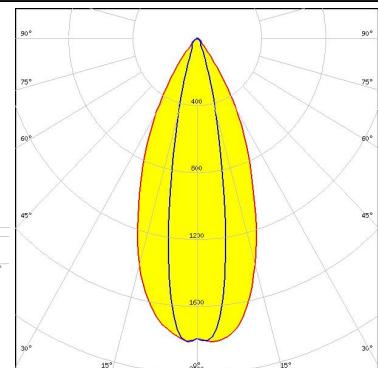


NICHIA

LED NCSxE17A
 FWHM / FWTM $45.0 + 21.0^\circ / 74.0 + 40.0^\circ$
 Efficiency 70 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 4
 Light colour RGBW
 Required components:

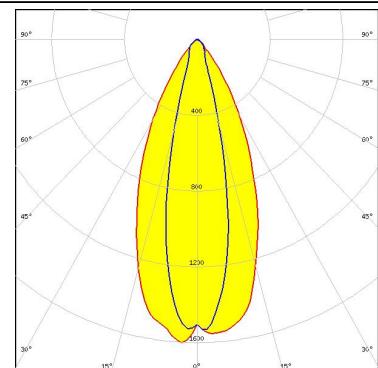


Detector Image: Illuminance
 11-3-2023
 Measurement: NCS Surface 3
 Size: 200.000 x 200.000 Millimeters. Pixels: 1000 x 1000. Total Hts: 1188872
 Peak Hts: 1188872, 1188872, 1188872
 Total Power: 1.8, 1.8480421 Lumens
 Configuration: 1 Configuration 1 of 1



NICHIA

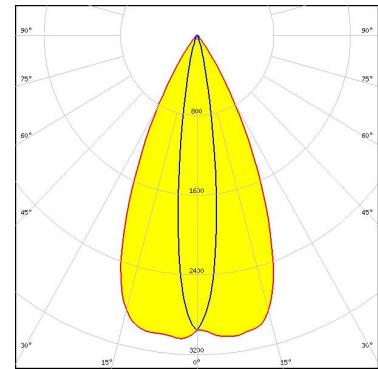
LED NV4x144A
 FWHM / FWTM $46.0 + 24.0^\circ / 78.0 + 42.0^\circ$
 Efficiency 69 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



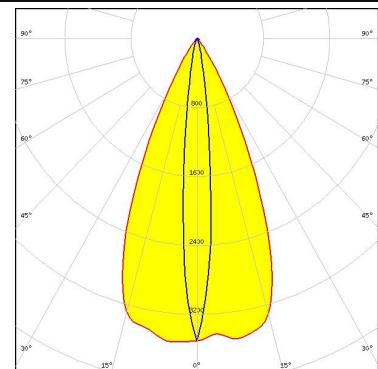
OPTICAL RESULTS (SIMULATED):



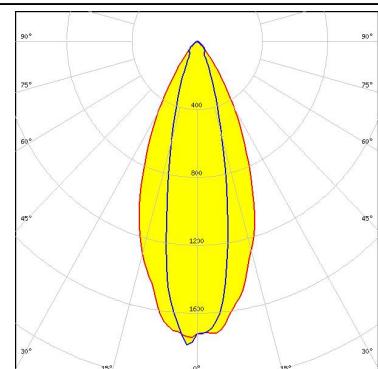
LED NVSW219F
FWHM / FWTM $15.0 + 50.0^\circ$
Efficiency 83 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



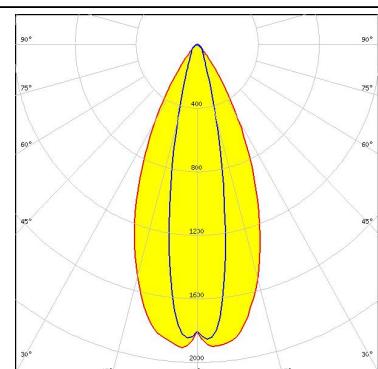
LED NVSxE21A
FWHM / FWTM $48.0 + 11.0^\circ / 66.0 + 24.0^\circ$
Efficiency 77 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



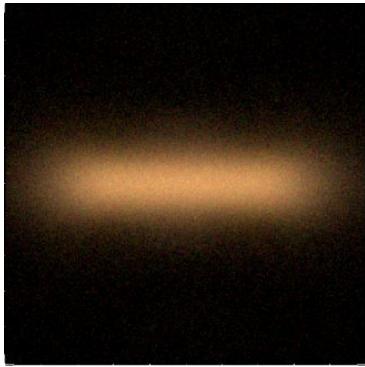
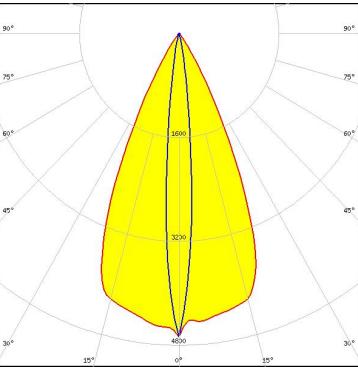
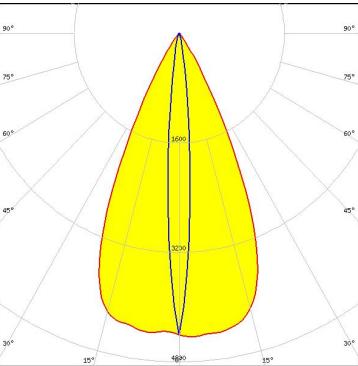
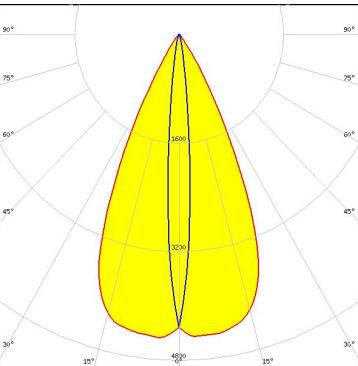
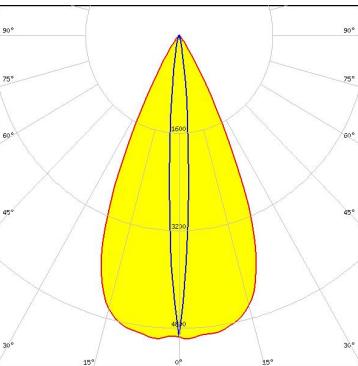
Opto Semiconductors
LED Duris S8
FWHM / FWTM $24.0 + 44.0^\circ$
Efficiency 77 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Opto Semiconductors
LED OSCONIQ S 5050
FWHM / FWTM $47.0 + 22.0^\circ / 76.0 + 43.0^\circ$
Efficiency 76 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

| | | | |
|--|-------------------|--|---|
| OSRAM <small>Opto Semiconductors</small> | LED OSLON SSL 150 |  |  |
| OSRAM <small>Opto Semiconductors</small> | LED SYNIO S2222 |  |  |
| OSRAM <small>Opto Semiconductors</small> | LED SYNIO S2222 |  |  |
| OSRAM <small>Opto Semiconductors</small> | LED SYNIO S2222 |  |  |

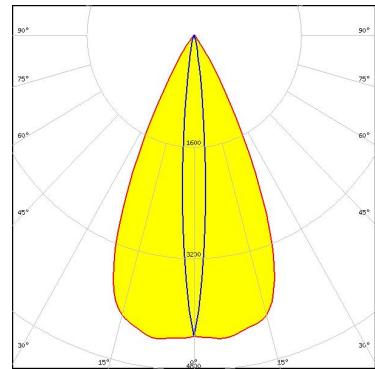
OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

| | |
|-----------------|-----------------------------|
| LED | SYNOS S2222 |
| FWHM / FWTM | 50.0 + 10.0° / 67.0 + 20.0° |
| Efficiency | 82 % |
| Peak intensity | 4.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | Blue |

Required components:

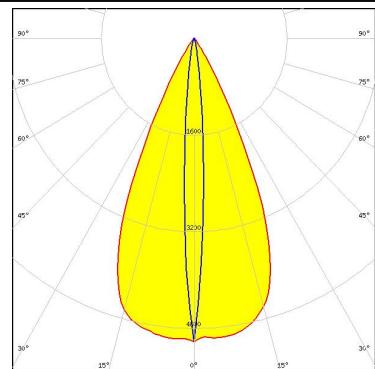


OSRAM

Opto Semiconductors

| | |
|-----------------|----------------------------|
| LED | SYNOS S2222 |
| FWHM / FWTM | 48.0 + 8.0° / 65.0 + 20.0° |
| Efficiency | 83 % |
| Peak intensity | 5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | Red |

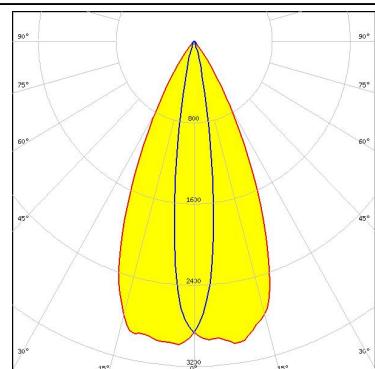
Required components:



SAMSUNG

| | |
|-----------------|--------------|
| LED | LH351B |
| FWHM / FWTM | 15.0 + 49.0° |
| Efficiency | 81 % |
| Peak intensity | 3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

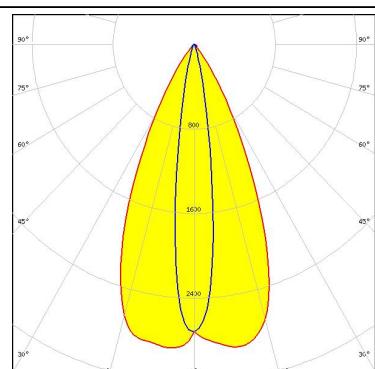


SEOUL SEMICONDUCTOR

SEOUL SEMICONDUCTOR

| | |
|-----------------|-----------------------------|
| LED | Z5M4 |
| FWHM / FWTM | 48.0 + 16.0° / 72.0 + 30.0° |
| Efficiency | 81 % |
| Peak intensity | 2.9 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

Local sales and technical support
[www.ledil.com/
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