

HEIDI-M

~25° medium beam

TECHNICAL SPECIFICATIONS:

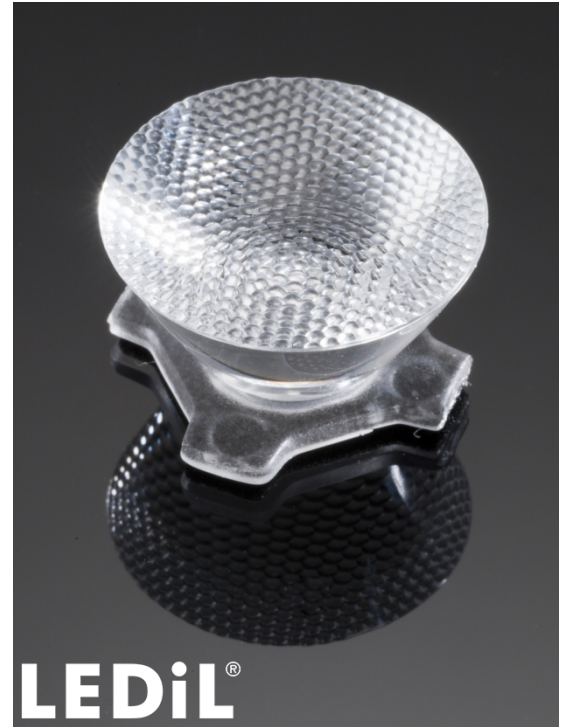
| | |
|----------------|-----------|
| Dimensions | Ø 21.6 mm |
| Height | 11.9 mm |
| Fastening | tape, pin |
| ROHS compliant | yes ⓘ |

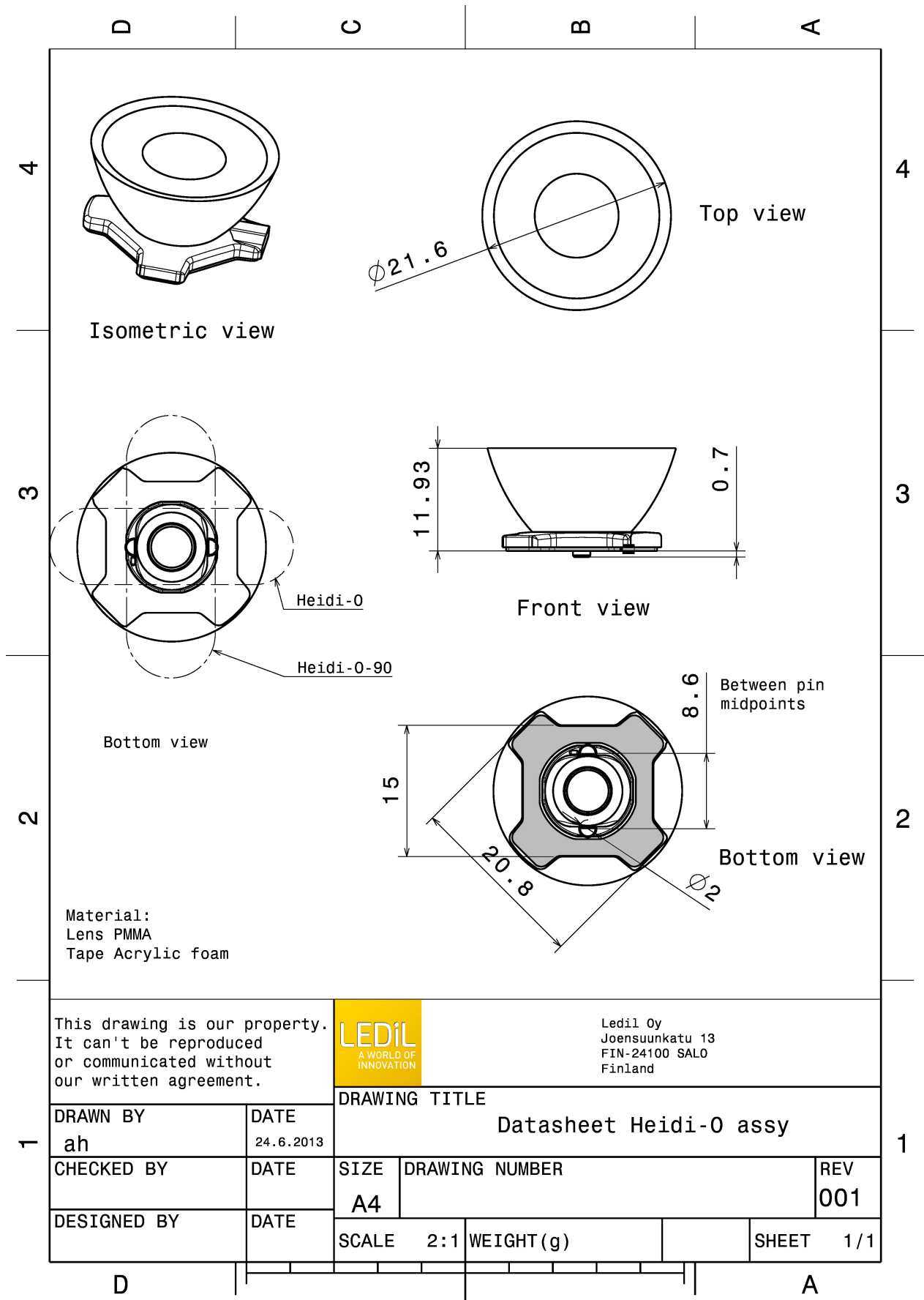
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA11265_HEIDI-M | Single lens | 3264 | 204 | 204 | 10.8 |
| » Box size: 480 x 280 x 300 mm | | | | | |





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 Finland

| | | | | | |
|----------------|------|-------------------|---|--------------|------------|
| DRAWN BY ah | | DATE 24.6.2013 | DRAWING TITLE Datasheet Heidi-0 assy | | |
| CHECKED BY | DATE | SIZE A4 | DRAWING NUMBER | | REV 001 |
| 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):

CREE → LED

LED XB-D
FWHM / FWTM 29.0°
Efficiency 87 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE → LED

LED XB-H
FWHM / FWTM 27.0° / 48.0°
Efficiency 87 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE → LED

LED XP-E
FWHM / FWTM 28.0° / 46.0°
Efficiency 92 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

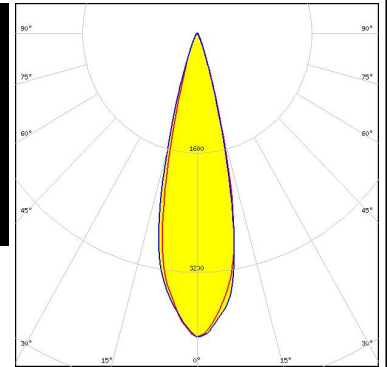
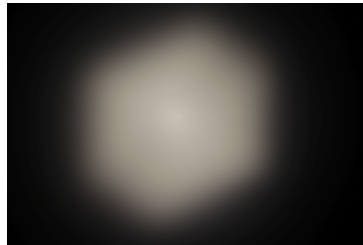
CREE → LED

LED XP-G
FWHM / FWTM 28.0° / 46.0°
Efficiency 92 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (MEASURED):

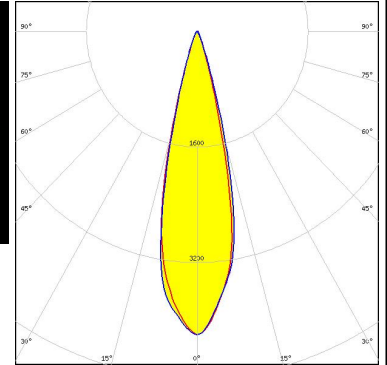
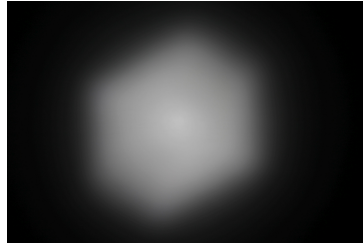
CREE LED

LED XQ-E HD
 FWHM / FWTM 26.0° / 41.0°
 Efficiency 94 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



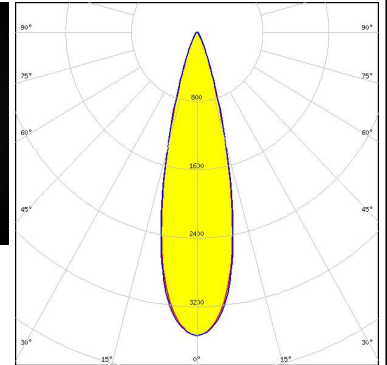
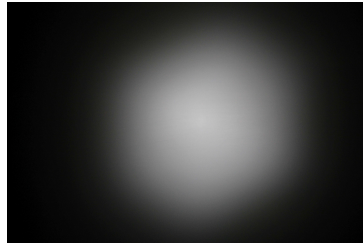
CREE LED

LED XQ-E HI
 FWHM / FWTM 25.0° / 40.0°
 Efficiency 94 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



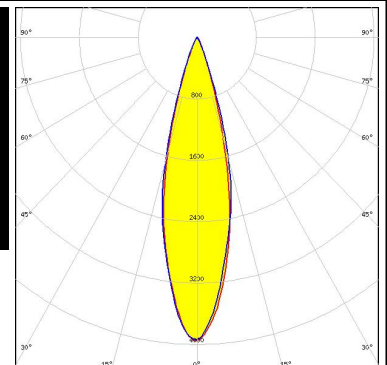
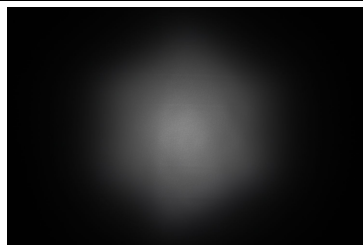
CREE LED

LED XT-E
 FWHM / FWTM 27.0° / 46.0°
 Efficiency 94 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

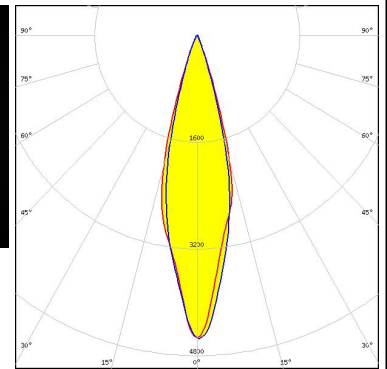
LED LUXEON C
 FWHM / FWTM 26.0° / 44.0°
 Efficiency 87 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

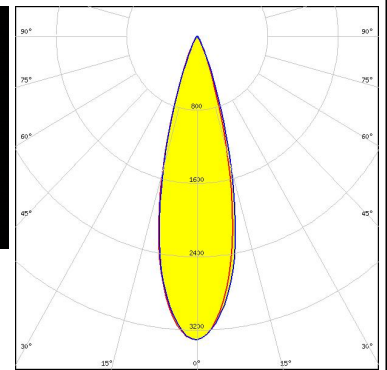
LUMILEDS

LED LUXEON CZ
 FWHM / FWTM 26.0° / 42.0°
 Efficiency 94 %
 Peak intensity 4.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



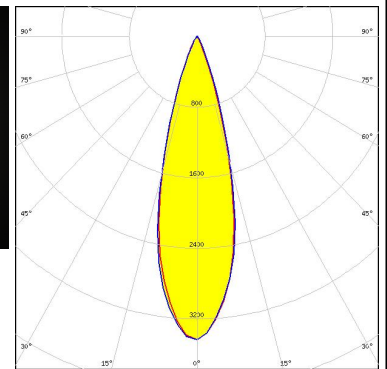
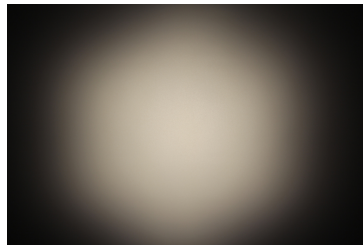
LUMILEDS

LED LUXEON T
 FWHM / FWTM 28.0° / 47.0°
 Efficiency 87 %
 Peak intensity 3.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



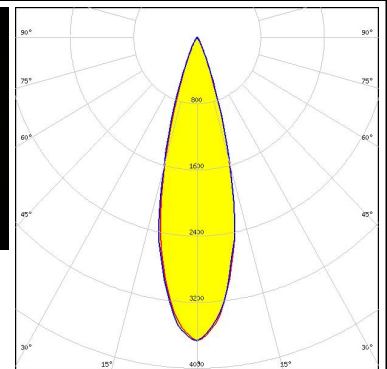
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 29.0° / 48.0°
 Efficiency 88 %
 Peak intensity 3.4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NCSxx19B
 FWHM / FWTM 29.0° / 47.0°
 Efficiency 88 %
 Peak intensity 3.7 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):



LED NVSxx19A
FWHM / FWTM 28.0° / 49.0°
Efficiency 87 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 26.0° / 44.0°
Efficiency 90 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

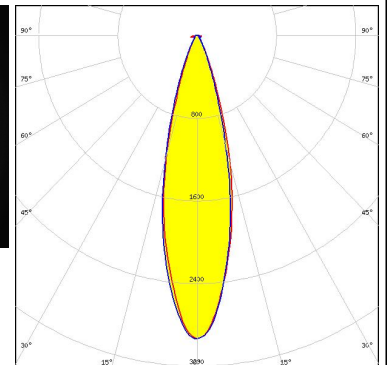
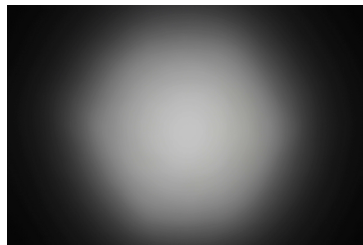


Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 28.0° / 46.0°
Efficiency 87 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



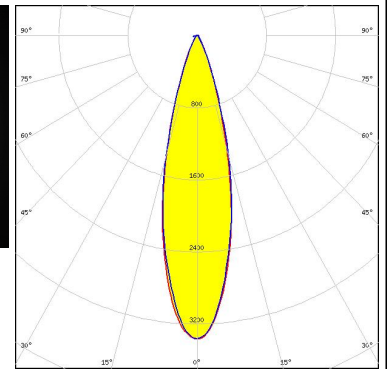
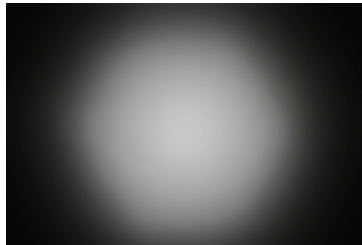
LED LH181A
FWHM / FWTM 27.0° / 49.0°
Efficiency 88 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

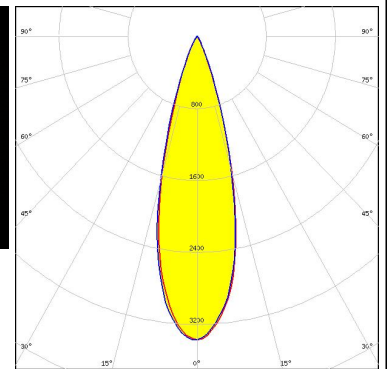
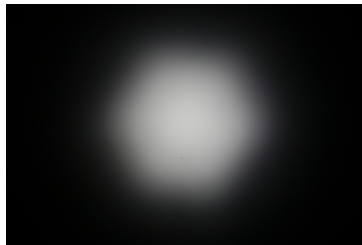
SAMSUNG

LED LH181B
 FWHM / FWTM 27.0° / 49.0°
 Efficiency 93 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

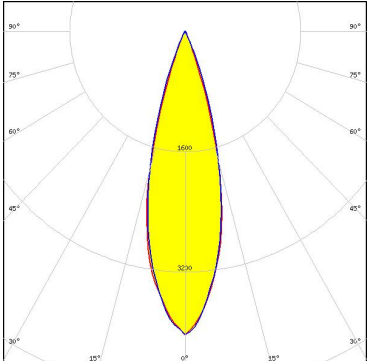
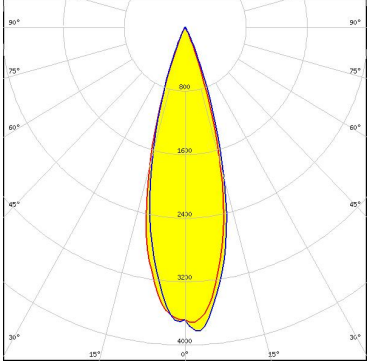
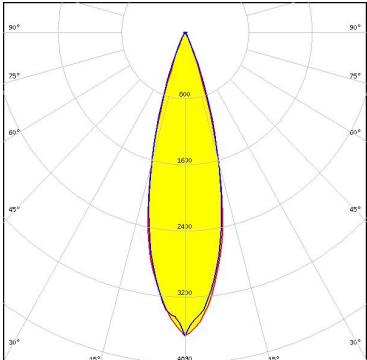
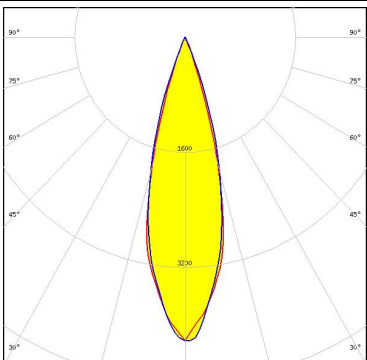
LED Z5
 FWHM / FWTM 28.0° / 42.0°
 Efficiency 87 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
 FWHM / FWTM 29.0° / 48.0°
 Efficiency 89 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

PHOTOMETRIC DATA (SIMULATED):

| | |
|---|---|
| <p>CREE → LED</p> <p>LED: XP-E2 FWHM / FWTM: 28.0° / 46.0° Efficiency: 96 % Peak intensity: 4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |
| <p>CREE → LED</p> <p>LED: XP-E2 FWHM / FWTM: 29.0° / 46.0° Efficiency: 96 % Peak intensity: 3.8 cd/lm LEDs/each optic: 1 Light colour: Green Required components:</p> |  |
| <p>LUMILEDS</p> <p>LED: LUXEON SunPlus 20 Line (150 deg) FWHM / FWTM: 28.0° / 45.0° Efficiency: 91 % Peak intensity: 3.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |
| <p>LUMILEDS</p> <p>LED: LUXEON Z FWHM / FWTM: 28.0° / 44.0° Efficiency: 96 % Peak intensity: 4.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |

PHOTOMETRIC DATA (SIMULATED):

| | |
|---|--|
| <p>LUMILEDS</p> <p>LED LUXEON Z ES FWHM / FWTM 28.0° / 45.0° Efficiency 94 % Peak intensity 4.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p> | |
| <p>NICHIA</p> <p>LED NVSxE21A FWHM / FWTM 28.0° / 47.0° Efficiency 94 % Peak intensity 3.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p> | |
| <p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3030 FWHM / FWTM 28.0° / 46.0° Efficiency 96 % Peak intensity 3.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p> | |
| <p>OSRAM Opto Semiconductors</p> <p>LED OSOLON Square CSSRM2/CSSRM3 FWHM / FWTM 28.0° / 48.0° Efficiency 94 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p> | |

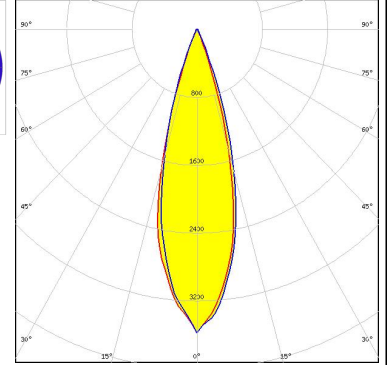
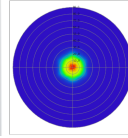
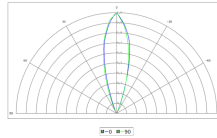
PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED OSLOM Square EC
 FWHM / FWTM 29.0°
 Efficiency %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

OSRAM
Opto Semiconductors

LED SFH 4170S
 FWHM / FWTM 28.0° / 44.0°
 Efficiency 88 %
 LEDs/each optic 1
 Light colour IR
 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

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Hong Kong, China

Distribution Partners

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