

## HEIDI-RS

~8° spot beam

### TECHNICAL SPECIFICATIONS:

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

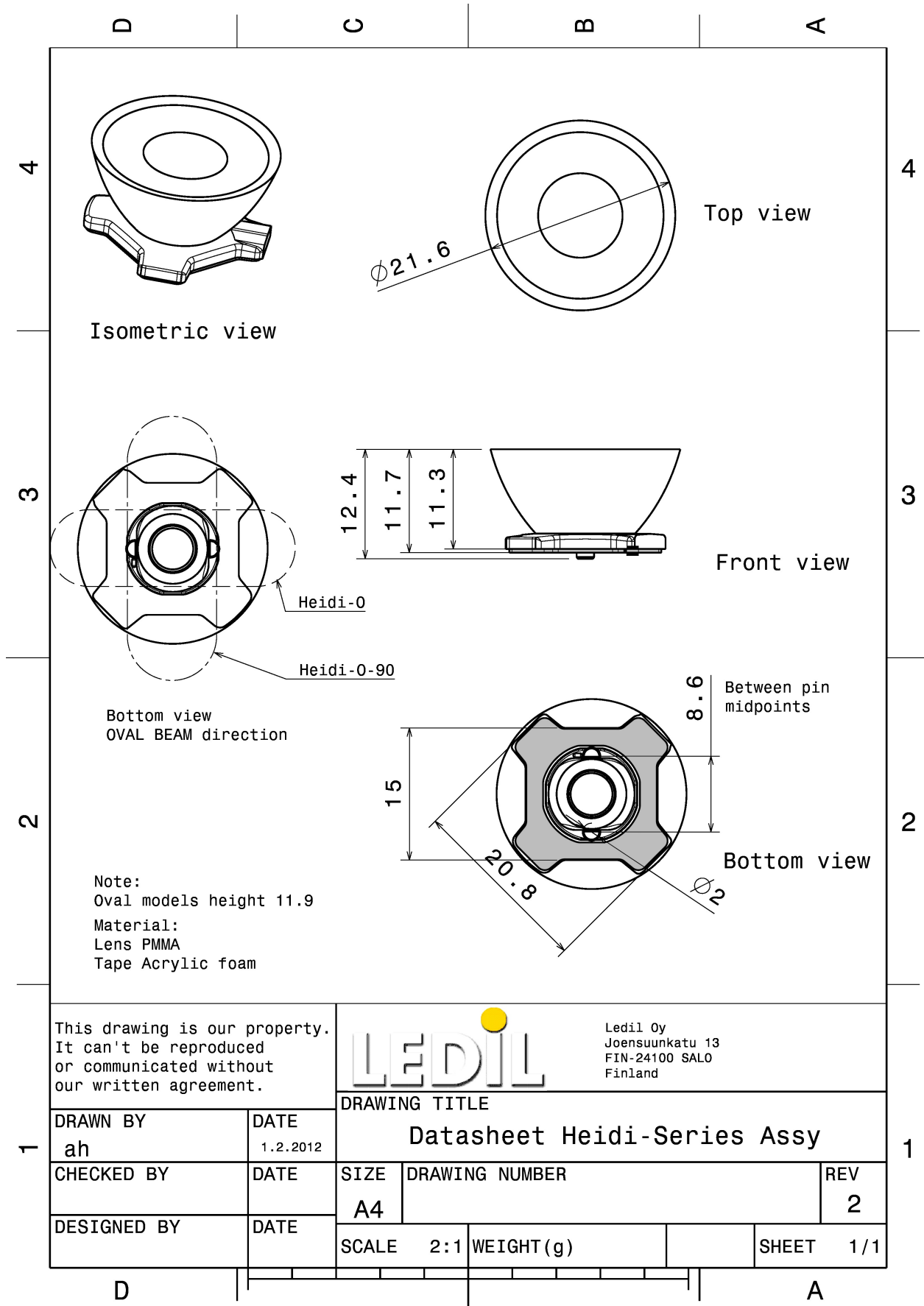
### MATERIAL SPECIFICATIONS:

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

### ORDERING INFORMATION:

| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA11663_HEIDI-RS               | Single lens | 3264       | 204 | 204 | 10.4            |
| » Box size: 480 x 280 x 300 mm |             |            |     |     |                 |





See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

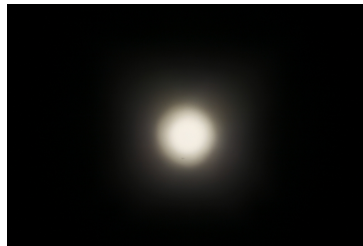
#### PHOTOMETRIC DATA (MEASURED):

##### CREE LED

LED XB-D White  
 FWHM / FWTM 8.0°  
 Efficiency 91 %  
 Peak intensity 19.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

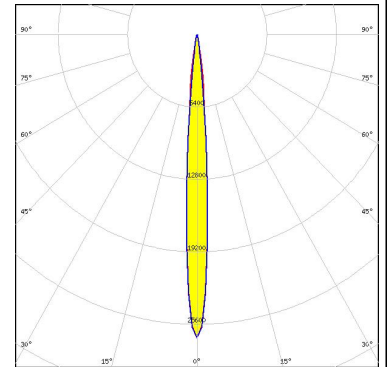
##### CREE LED

LED XB-H  
 FWHM / FWTM 10.0° / 19.0°  
 Efficiency 90 %  
 Peak intensity 18.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



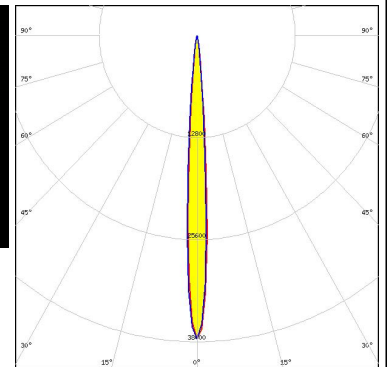
##### CREE LED

LED XP-E  
 FWHM / FWTM 8.0° / 18.0°  
 Efficiency 93 %  
 Peak intensity 26.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### CREE LED

LED XP-E2  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 90 %  
 Peak intensity 38 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



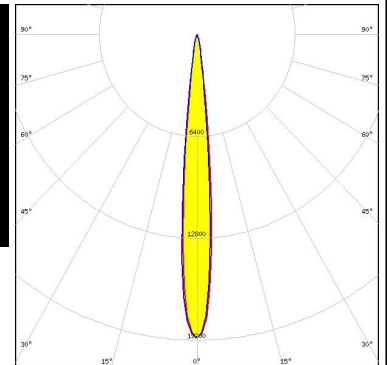
#### PHOTOMETRIC DATA (MEASURED):

##### CREE LED

LED XP-G  
 FWHM / FWTM 9.0° / 20.0°  
 Efficiency 93 %  
 Peak intensity 16.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

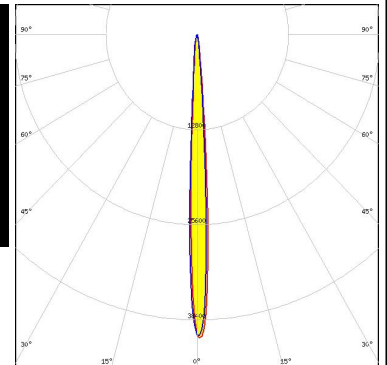
##### CREE LED

LED XP-G2  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 91 %  
 Peak intensity 19.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



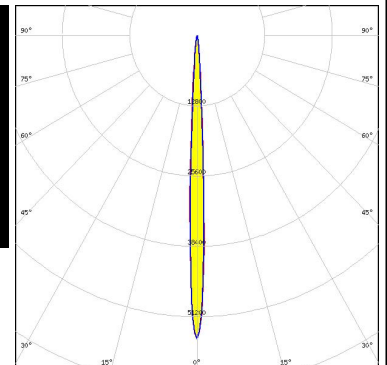
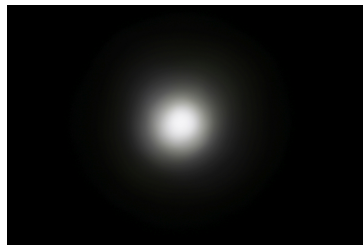
##### CREE LED

LED XQ-E HD  
 FWHM / FWTM 6.0° / 12.0°  
 Efficiency 94 %  
 Peak intensity 42.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### CREE LED

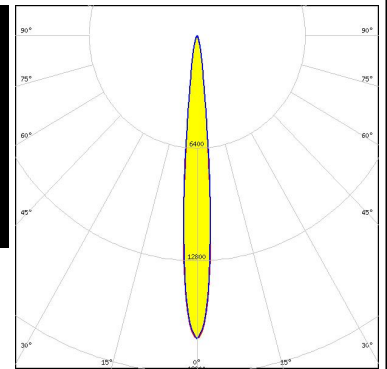
LED XQ-E HI  
 FWHM / FWTM 5.0° / 11.0°  
 Efficiency 94 %  
 Peak intensity 55.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



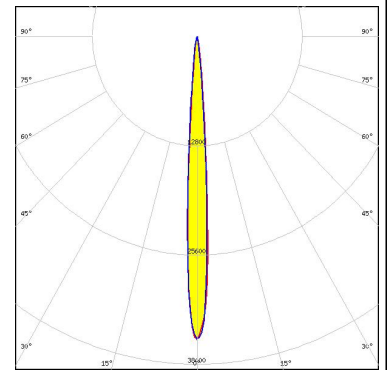
### PHOTOMETRIC DATA (MEASURED):



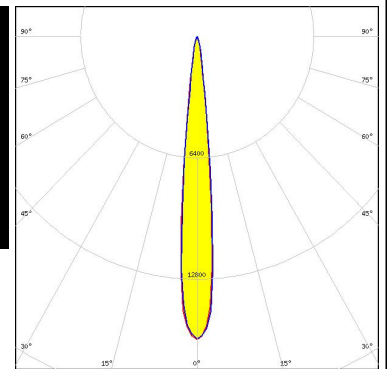
LED XT-E  
 FWHM / FWTM 10.0° / 21.0°  
 Efficiency 97 %  
 Peak intensity 17.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



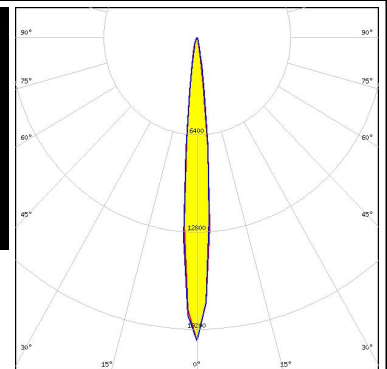
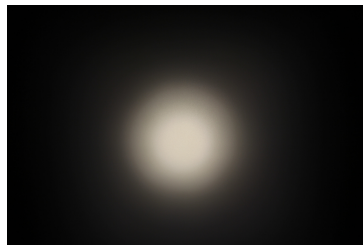
LED LUXEON C  
 FWHM / FWTM 7.0° / 14.0°  
 Efficiency 92 %  
 Peak intensity 35.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON T  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 92 %  
 Peak intensity 16.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON TX  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 90 %  
 Peak intensity 19.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



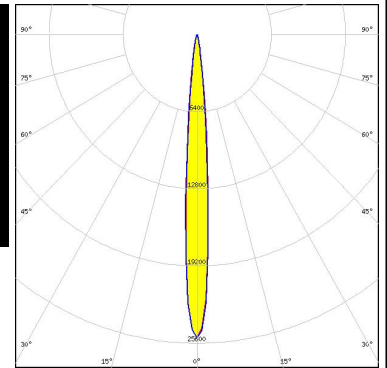
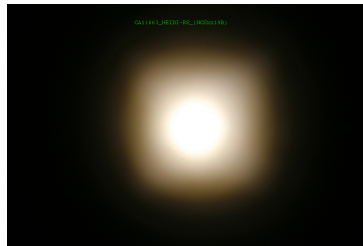
#### PHOTOMETRIC DATA (MEASURED):



LED NCSxx19A  
 FWHM / FWTM 8.0° / 18.0°  
 Efficiency 89 %  
 Peak intensity 19 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



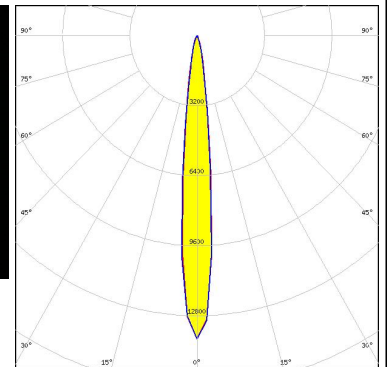
LED NCSxx19B  
 FWHM / FWTM 9.0° / 18.0°  
 Efficiency 90 %  
 Peak intensity 25.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




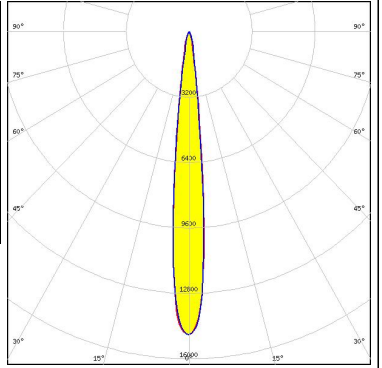


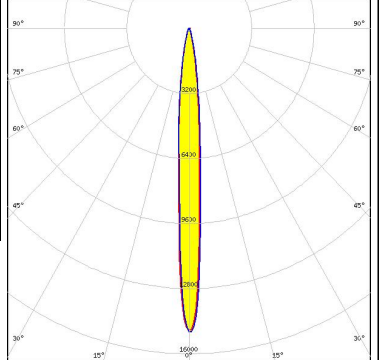
LED NVSxx19A  
 FWHM / FWTM 10.0° / 23.0°  
 Efficiency 89 %  
 Peak intensity 13.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 12.0° / 26.0°  
 Efficiency 92 %  
 Peak intensity 13.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



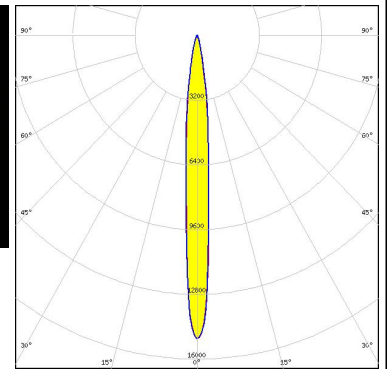
### PHOTOMETRIC DATA (MEASURED):

|   |  |   |
|---|--|---|
| <p><b>NICHIA</b></p> <p>LED                    NVSxx19B/NVSxx19C<br/>           FWHM / FWTM      12.0° / 21.0°<br/>           Efficiency            96 %<br/>           Peak intensity       14.8 cd/lm<br/>           LEDs/each optic    1<br/>           Light colour         White<br/>           Required components:</p>                                 |    |    |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED                    OSLON Square CSSRM2/CSSRM3<br/>           FWHM / FWTM      10.0° / 20.0°<br/>           Efficiency            89 %<br/>           Peak intensity       20.8 cd/lm<br/>           LEDs/each optic    1<br/>           Light colour         White<br/>           Required components:</p> |   |   |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED                    OSLON SSL 150<br/>           FWHM / FWTM      7.0° / 16.0°<br/>           Efficiency            93 %<br/>           Peak intensity       24.7 cd/lm<br/>           LEDs/each optic    1<br/>           Light colour         White<br/>           Required components:</p>               |  |   |
| <p><b>SAMSUNG</b></p> <p>LED                    LH181A<br/>           FWHM / FWTM      8.0° / 24.0°<br/>           Efficiency            94 %<br/>           Peak intensity       14.9 cd/lm<br/>           LEDs/each optic    1<br/>           Light colour         White<br/>           Required components:</p>  |  |  |

#### PHOTOMETRIC DATA (MEASURED):

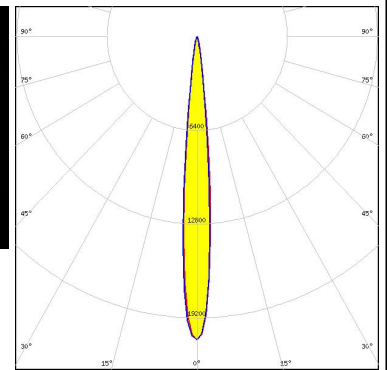
### SAMSUNG

LED LH181B  
 FWHM / FWTM 9.0° / 24.0°  
 Efficiency 94 %  
 Peak intensity 15 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

LED LH351Z  
 FWHM / FWTM 11.0° / 19.0°  
 Efficiency 89 %  
 Peak intensity 20.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



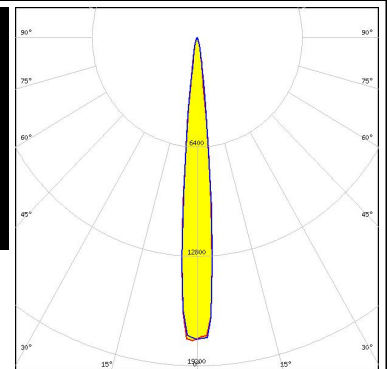
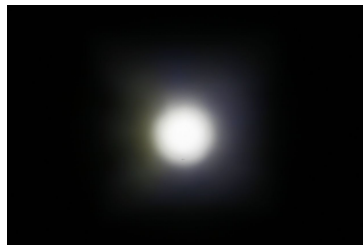
SEOUL SEMICONDUCTOR

LED Z5  
 FWHM / FWTM 7.0° / 16.0°  
 Efficiency 93 %  
 Peak intensity 32.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2  
 FWHM / FWTM 11.0° / 19.0°  
 Efficiency 94 %  
 Peak intensity 17.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





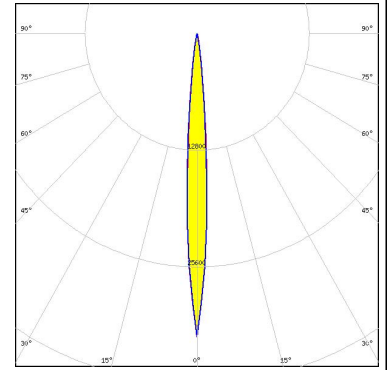
#### PHOTOMETRIC DATA (SIMULATED):

|   |  |
|---|--|
| <p><b>LUMILEDS</b></p> <p>LED: LUXEON HL2X</p> <p>FWHM / FWTM: 14.0° / 26.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 11.1 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>                     |  |
| <p><b>LUMILEDS</b></p> <p>LED: LUXEON Rubix (white)</p> <p>FWHM / FWTM: 6.0° / 14.0°</p> <p>Efficiency: 96 %</p> <p>Peak intensity: 47.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>             |  |
| <p><b>LUMILEDS</b></p> <p>LED: LUXEON SunPlus 20 Line (120 deg)</p> <p>FWHM / FWTM: 8.0° / 16.0°</p> <p>Efficiency: 96 %</p> <p>Peak intensity: 30 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>   |  |
| <p><b>LUMILEDS</b></p> <p>LED: LUXEON SunPlus 20 Line (150 deg)</p> <p>FWHM / FWTM: 8.0° / 17.0°</p> <p>Efficiency: 91 %</p> <p>Peak intensity: 28.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> |  |

### PHOTOMETRIC DATA (SIMULATED):

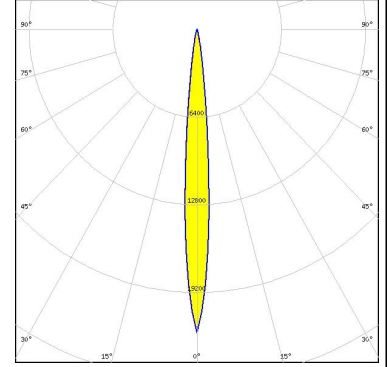
#### LUMILEDS

LED LUXEON Z ES  
 FWHM / FWTM 7.7° / 17.0°  
 Efficiency 94 %  
 Peak intensity 33.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



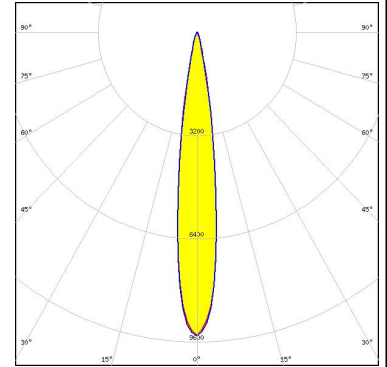
#### LUMINUS

LED SST-20  
 FWHM / FWTM 10.0° / 19.0°  
 Efficiency 94 %  
 Peak intensity 22.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



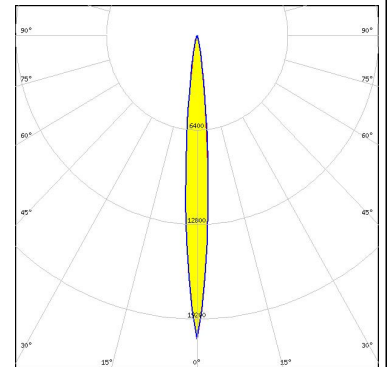
#### NICHIA

LED NVSW519A  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 92 %  
 Peak intensity 9.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### NICHIA

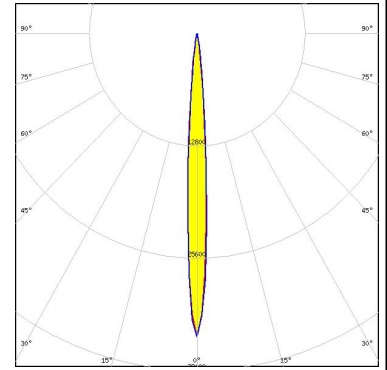
LED NVSxE21A  
 FWHM / FWTM 8.0° / 20.0°  
 Efficiency 93 %  
 Peak intensity 20.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

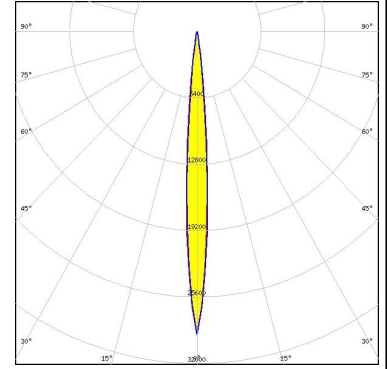
#### OSRAM Opto Semiconductors

LED OSCONIQ P 3030  
 FWHM / FWTM 7.1° / 16.0°  
 Efficiency 96 %  
 Peak intensity 34.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM Opto Semiconductors

LED OSLON PURE 1010 (GW VJLPE1)  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 93 %  
 Peak intensity 29.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

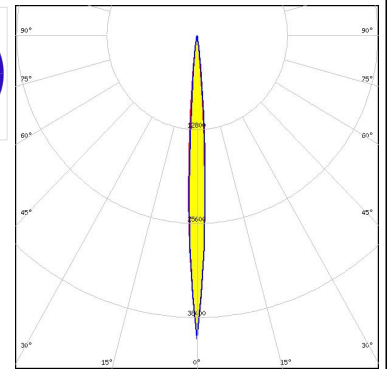
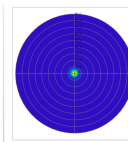
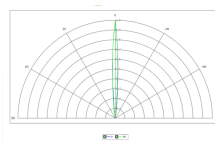


#### OSRAM Opto Semiconductors

LED OSLON Square EC  
 FWHM / FWTM 12.0°  
 Efficiency %  
 Peak intensity 11.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### OSRAM Opto Semiconductors

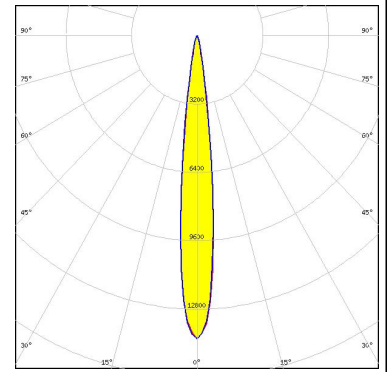
LED SFH 4170S  
 FWHM / FWTM 6.0° / 14.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour IR  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

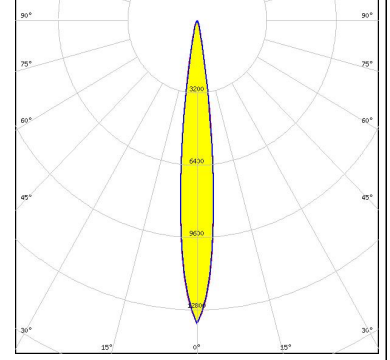
#### SAMSUNG

LED LH351B  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 94 %  
Peak intensity 14.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

LED LH351C  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 95 %  
Peak intensity 13.4 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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### 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/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [LED Lighting Lenses Assemblies](#) category:*

*Click to view products by [Ledil](#) manufacturer:*

Other Similar products are found below :

[FCN12592\\_LE1-D-COP](#) [CA16129\\_OLGA-W](#) [CA16370\\_HB-SQ-W](#) [FN15972\\_RONDA-ZT45-C](#) [CS15759\\_HB-2X2MX-8-W](#)  
[CA16435\\_LXP2-SS-WAS](#) [CN16210\\_GABRIELLA-MIDI-W](#) [CP17137\\_CARMEN-M2-C](#) [CA16015\\_STRADA-SQ-SCL](#) [CP17594\\_TINA-SC-](#)  
[RS](#) [CS15767\\_HB-2X2MX-8-M](#) [CP10960\\_RGBX-SS](#) [CP12395\\_LXP3-W](#) [CP12939\\_LARISA-RS-CLIP16](#) [C14636\\_XTM-PF-ADAPTER](#)  
[CA11819\\_STRADA-SQ-T-DW](#) [CA14508\\_G2-LXP2-D](#) [CA14601\\_VERONICA-SQ-MINI-RS](#) [FCP13895\\_SEANNA-A](#) [CP12943\\_LARISA-](#)  
[O-CLIP16](#) [FP11124\\_LISA2-O-PIN](#) [CS14597\\_HB-IP-2X6-O](#) [CP14995\\_FLORENTINA-HLD-O](#) [CS15158\\_STRADA-IP-2X6-T4-B](#)  
[CS16323\\_STRADELLA-IP-28-HB-M](#) [FN14976\\_STELLA-DWC2](#) [FN15264\\_STELLA-HB-WWW](#) [CA15584\\_ZORYA-MINI-TAPE](#)  
[FA15229\\_ROSE-MRK-S](#) [FA15232\\_ROSE-MRK-M](#) [FA15233\\_ROSE-MRK-W](#) [FCN13552\\_CRYSTAL-RS](#) [FN15552\\_RONDA-W](#)  
[FS15626\\_FLORENCE-3R-IP-Z90](#) [FS15786\\_FLORENCE-3R-IP-Z60](#) [FS15847\\_FLORENCE-3R-IP-O](#) [CA14505\\_G2-LXP2-RS2-P](#)  
[FCN12775\\_IRIS-O](#) [CP15304\\_LARISA-RS-PIN](#) [FN15679\\_RONDA-S](#) [CA15519\\_VERONICA-SQ-MINI-D](#) [FP14414\\_LISA2-O-PIN](#)  
[LL01CR-DF60L06-M2](#) [FN15993\\_RONDA-O](#) [FN15977\\_RONDA-WAS2](#) [CA14366\\_FLARE-MAXI-TAPE](#) [CA14442\\_VERONICA-SQ-W](#)  
[CA14509\\_G2-LXP2-M-P](#) [CA15231\\_VERONICA-SQ-MINI-W](#) [FP11002\\_LISA2-W-PIN](#)