

## STRADELLA-8-HV-HB-W

~85° wide beam for industrial applications.  
Variant with improved creepage distance for  
high voltage circuit designs.

### SPECIFICATION:

|                |                |
|----------------|----------------|
| Dimensions     | 49.5 x 49.5 mm |
| Height         | 7.1 mm         |
| Fastening      | pin, screw     |
| ROHS compliant | yes ⓘ          |

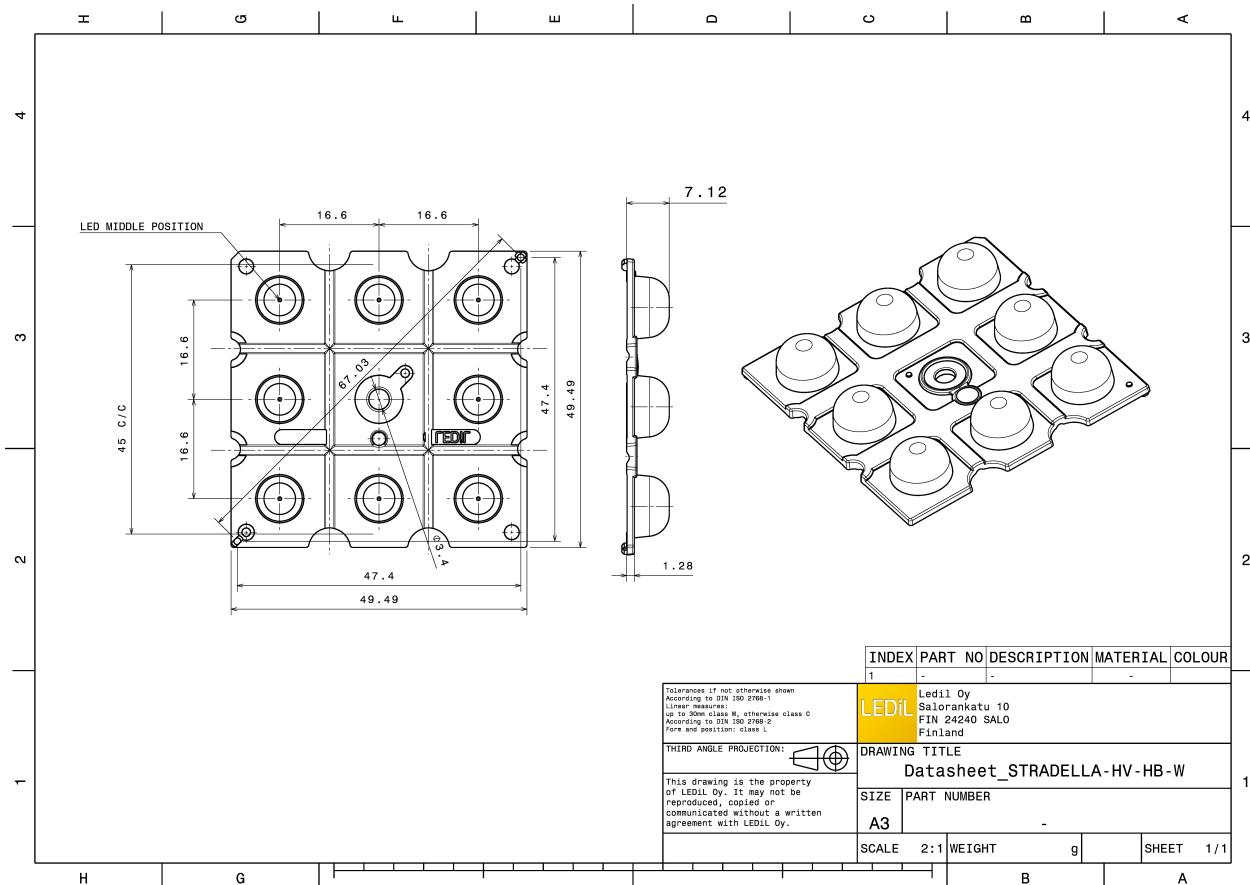


### MATERIALS:

| Component           | Type       | Material | Colour | Finish |
|---------------------|------------|----------|--------|--------|
| STRADELLA-8-HV-HB-W | Multi-lens | PMMA     | clear  |        |

### ORDERING INFORMATION:

| Component                      | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|-----|-----|-----------------|
| C15985_STRADELLA-8-HV-HB-W     | 800        | 160 | 160 | 6.0             |
| » Box size: 480 x 280 x 300 mm |            |     |     |                 |

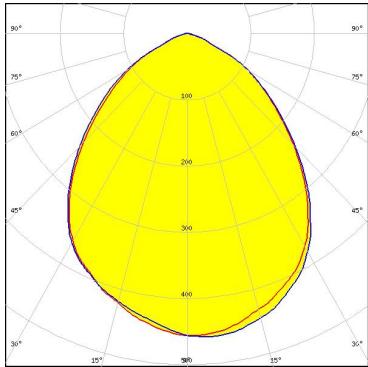
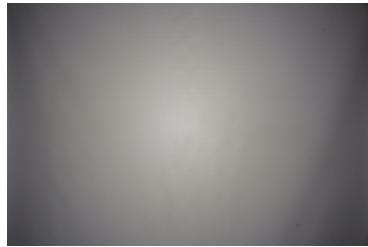


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

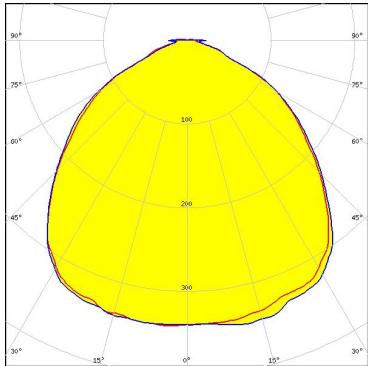
### OPTICAL RESULTS (MEASURED):



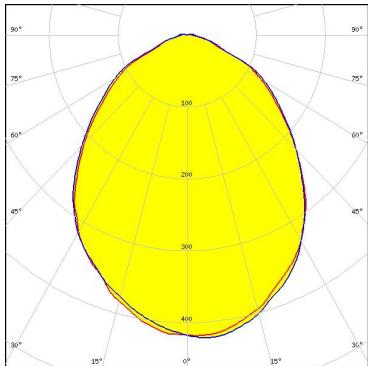
LED J Series 3030  
FWHM / FWTM 92.0° / 133.0°  
Efficiency 97 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



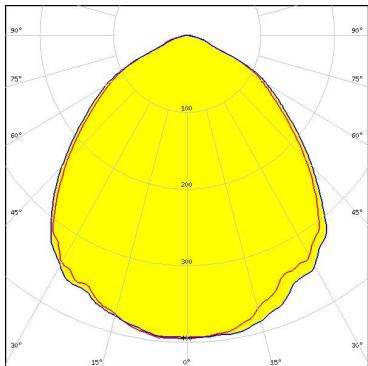
LED XD16  
FWHM / FWTM 104.0° / 146.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XT-E  
FWHM / FWTM 92.0° / 141.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



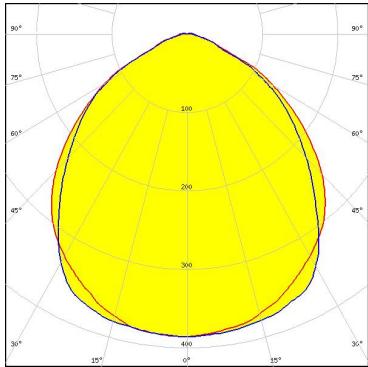
LED SST-10-B130  
FWHM / FWTM 99.0° / 137.0°  
Efficiency 95 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour Deep Red  
Required components:



### OPTICAL RESULTS (MEASURED):

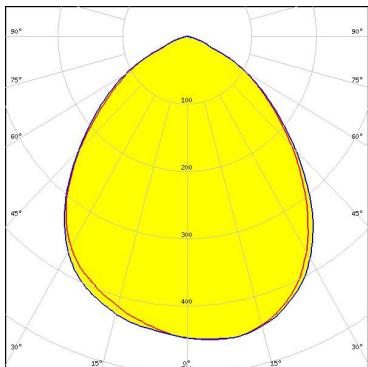


**LED** NF2W585AR  
**FWHM / FWTM** 102.0° / 142.0°  
**Efficiency** 94 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**

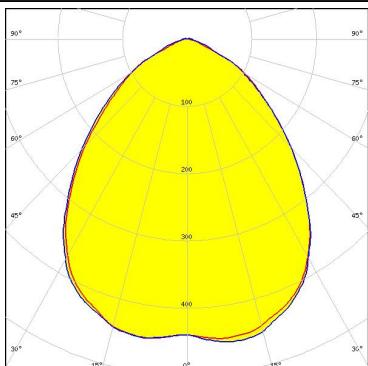
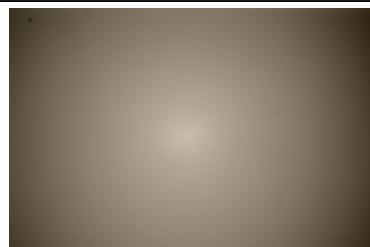


Opto Semiconductors

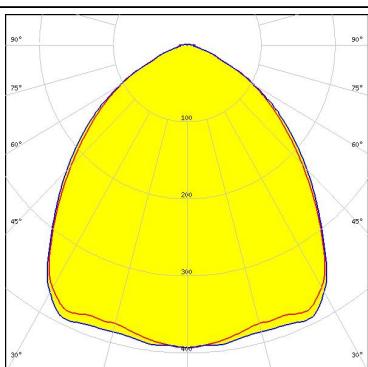
**LED** OSCONIQ S 3030 (QSLR31)  
**FWHM / FWTM** 92.0° / 132.0°  
**Efficiency** 94 %  
**Peak intensity** 0.5 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



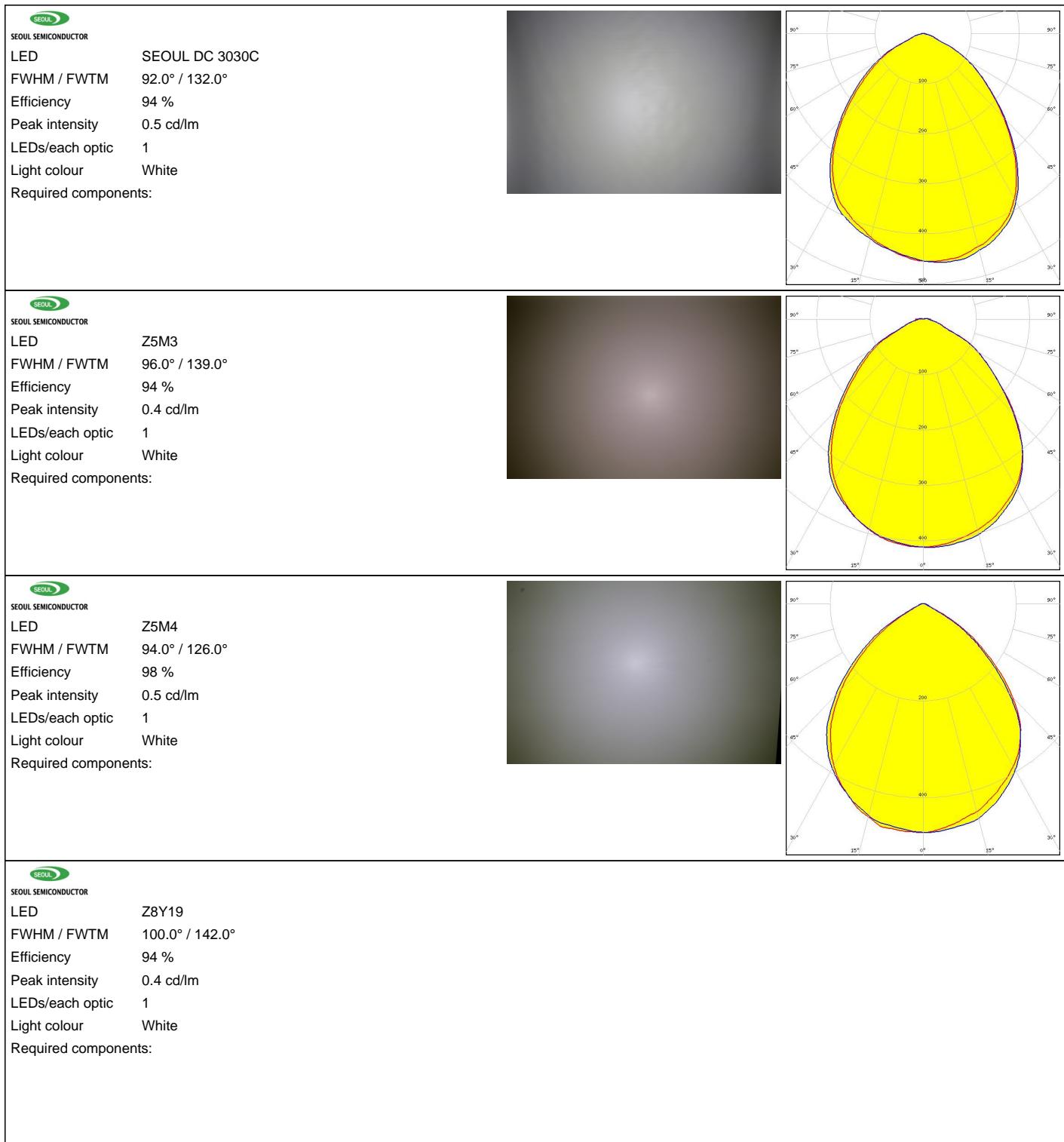
**LED** Fortimo FastFlex LED 4x8up PR G5  
**FWHM / FWTM** 90.0° / 131.0°  
**Efficiency** 94 %  
**Peak intensity** 0.5 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** LH151B  
**FWHM / FWTM** 96.0° / 139.0°  
**Efficiency** 95 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



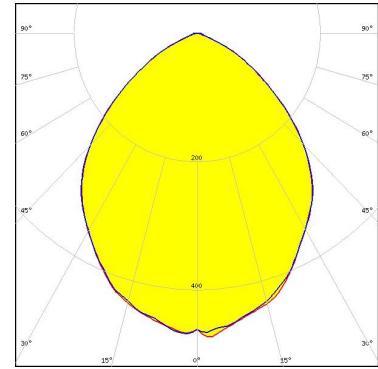
### OPTICAL RESULTS (MEASURED):



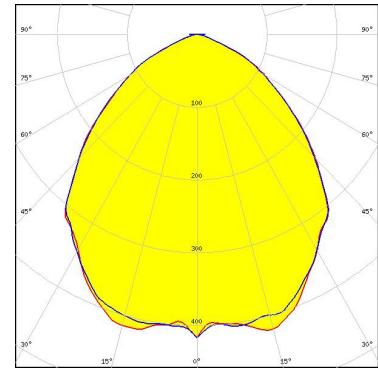
## OPTICAL RESULTS (SIMULATED):



LED XP-G2 HE  
FWHM / FWTM 92.0° / 132.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G3  
FWHM / FWTM 94.0° / 141.0°  
Efficiency 91 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G3  
FWHM / FWTM 96.0° / 138.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON 3030 2D (Round LES)  
FWHM / FWTM 87.0° / 130.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

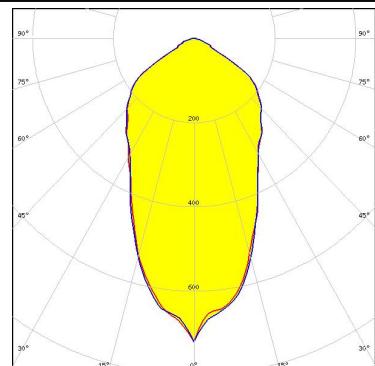
## OPTICAL RESULTS (SIMULATED):

### LUMILEDS

LED LUXEON 3535L HE  
FWHM / FWTM 80.0° / 131.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

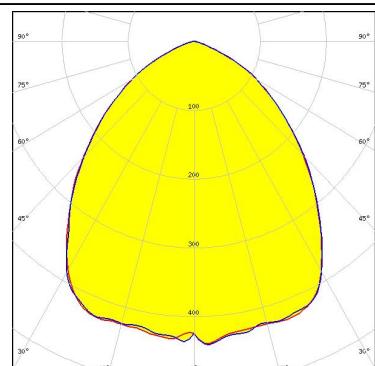
### LUMILEDS

LED LUXEON CZ  
FWHM / FWTM 52.0° / 122.0°  
Efficiency 96 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### LUMILEDS

LED LUXEON CZ  
FWHM / FWTM 93.0° / 136.0°  
Efficiency 97 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### LUMILEDS

LED LUXEON HR30  
FWHM / FWTM 82.0° / 130.0°  
Efficiency 93 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

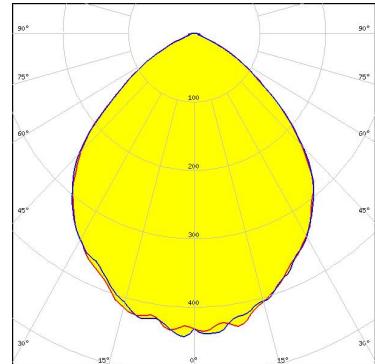
### OPTICAL RESULTS (SIMULATED):

#### LUMILEDS

LED LUXEON TX  
 FWHM / FWTM 84.0° / 139.0°  
 Efficiency 92 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### NICHIA

LED NVSW519A  
 FWHM / FWTM 93.0° / 130.0°  
 Efficiency 89 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

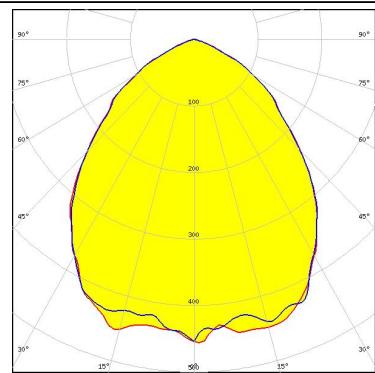


#### NICHIA

LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 95.0° / 134.0°  
 Efficiency 91 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### OSRAM

Opto Semiconductors  
 LED OSCONIQ C 2424  
 FWHM / FWTM 92.0° / 134.0°  
 Efficiency 97 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

#### OSRAM

Opto Semiconductors

LED OSCONIQ C 3030

FWHM / FWTM 90.0° / 134.0°

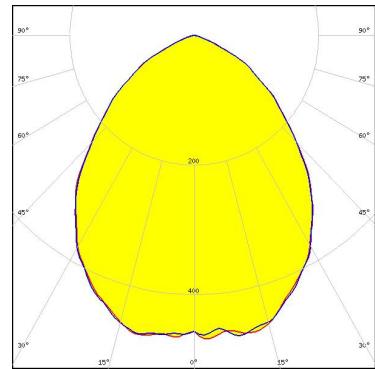
Efficiency 97 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour White

Required components:



#### OSRAM

Opto Semiconductors

LED OSCONIQ C 3030

FWHM / FWTM 90.0° / 132.0°

Efficiency 87 %

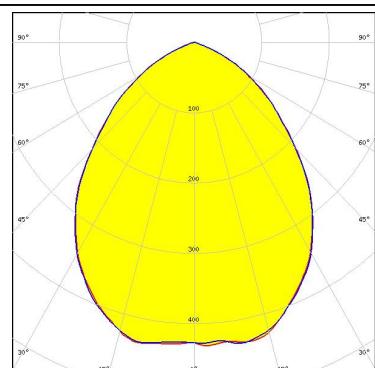
Peak intensity 0.4 cd/lm

LEDs/each optic 1

Light colour White

Required components:

Protective plate, glass



#### OSRAM

Opto Semiconductors

LED OSCONIQ P 3030

FWHM / FWTM 82.0° / 132.0°

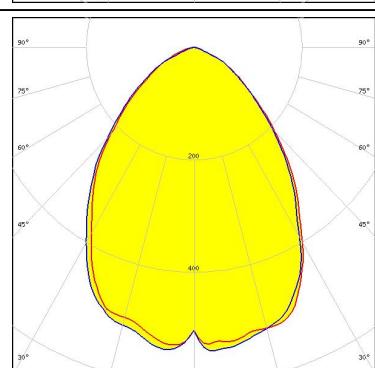
Efficiency 97 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour White

Required components:



#### OSRAM

Opto Semiconductors

LED SFH 4715AS

FWHM / FWTM 71.0° / 109.0°

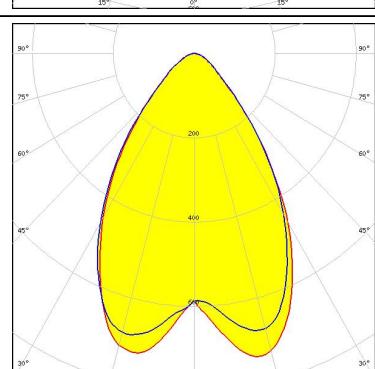
Efficiency 96 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour IR

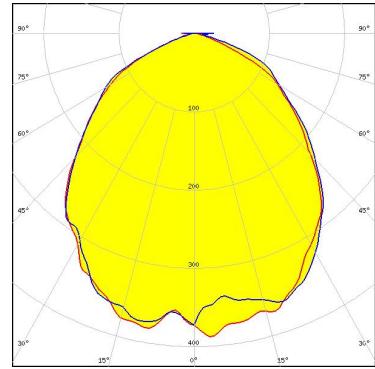
Required components:



## OPTICAL RESULTS (SIMULATED):

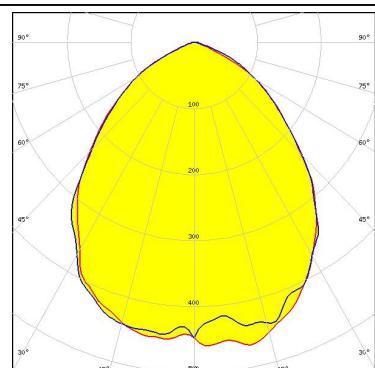
### SAMSUNG

LED LH181A  
 FWHM / FWTM 97.0° / 143.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



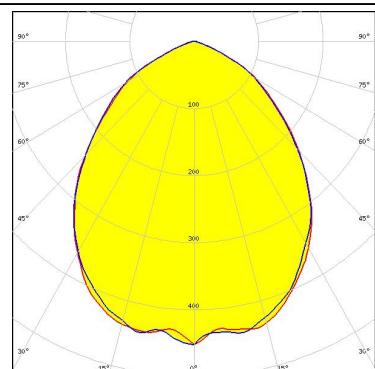
### SAMSUNG

LED LH181B  
 FWHM / FWTM 89.0° / 135.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEoul SEMICONDUCTOR

LED Z8Y22T  
 FWHM / FWTM 90.0° / 137.0°  
 Efficiency 94 %  
 Peak intensity 0.5 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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