

## HEIDI-RS

~8° spot beam

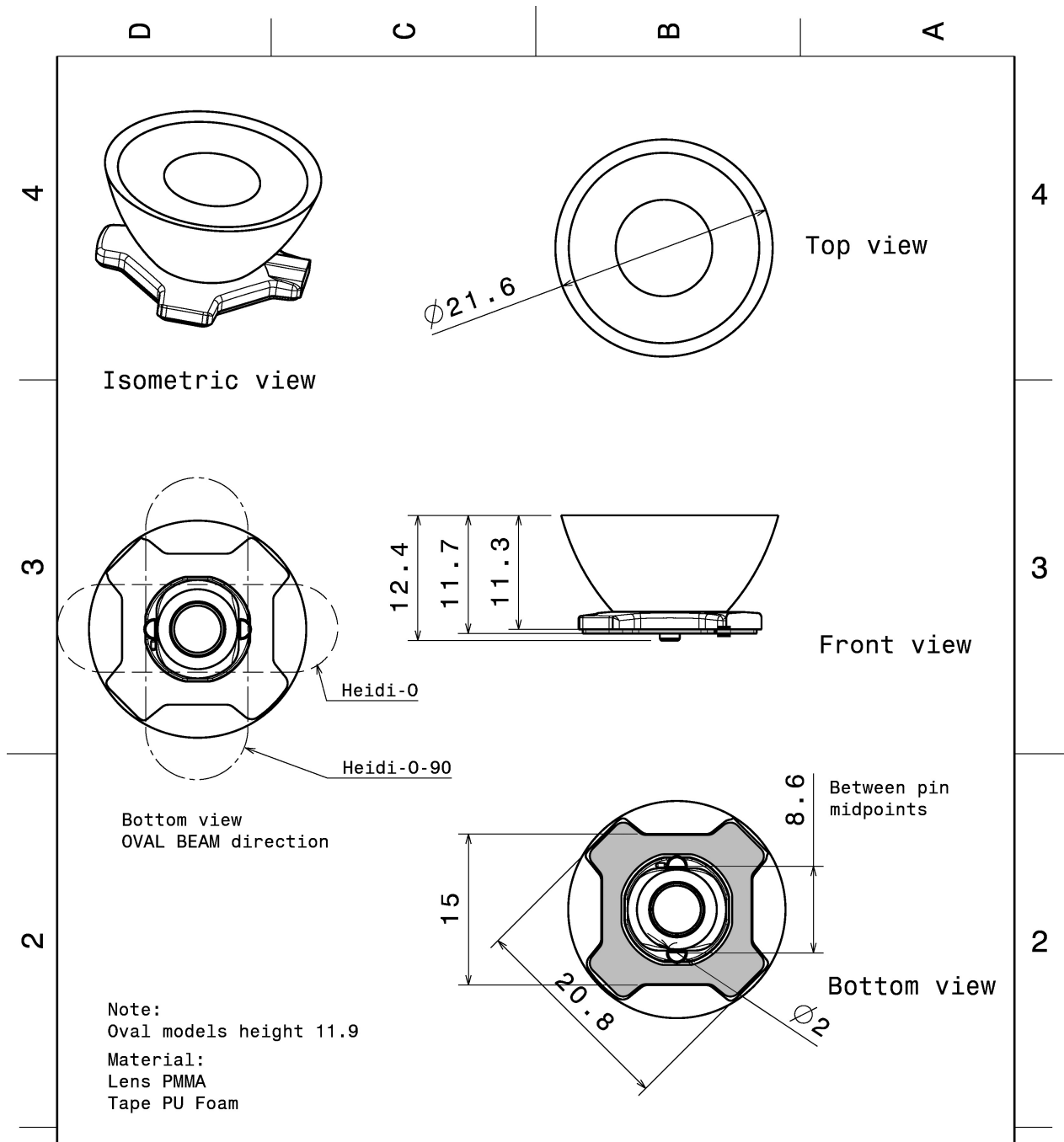
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	10.4 kg
Quantity in Box	3264 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

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



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DRAWING TITLE		<b>Datasheet Heidi-Series Assy</b>			
DRAWN BY ah	DATE 1.2.2012	SIZE A4	DRAWING NUMBER		REV 2
CHECKED BY	DATE	SCALE 2:1	WEIGHT (g)	SHEET 1/1	
DESIGNED BY	DATE				

**PHOTOMETRIC DATA (MEASURED):**

**CREE** ⇄

LED XB-D  
FWHM 8.0°  
Efficiency 91 %  
Peak intensity 19.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

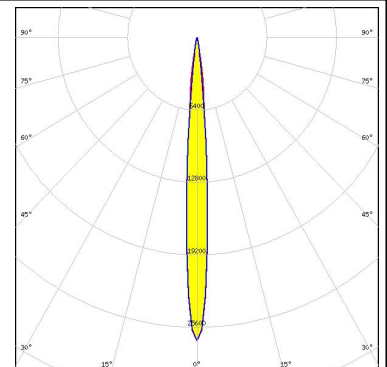
**CREE** ⇄

LED XB-H  
FWHM 10.0°  
Efficiency 90 %  
Peak intensity 18.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



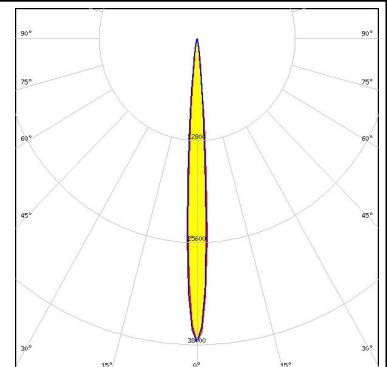
**CREE** ⇄

LED XP-E  
FWHM 8.0°  
Efficiency 93 %  
Peak intensity 26.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**CREE** ⇄

LED XP-E2  
FWHM 8.0°  
Efficiency 90 %  
Peak intensity 38.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



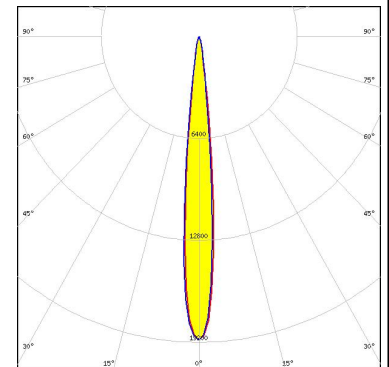
**PHOTOMETRIC DATA (MEASURED):**

**CREE** 

LED XP-G  
FWHM 9.0°  
Efficiency 93 %  
Peak intensity 16.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

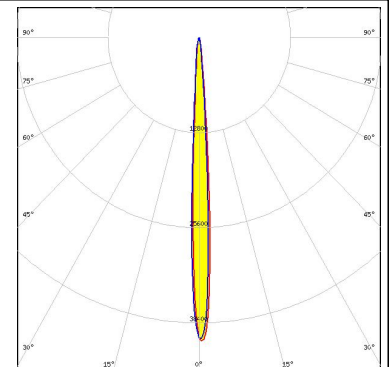
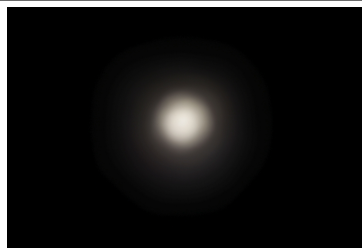
**CREE** 

LED XP-G2  
FWHM 11.0°  
Efficiency 91 %  
Peak intensity 19.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



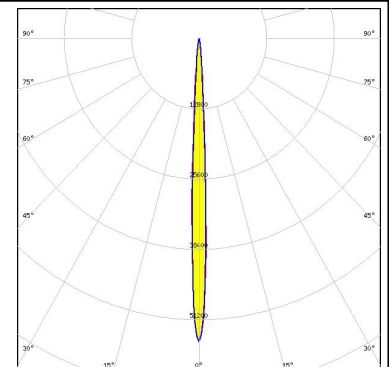
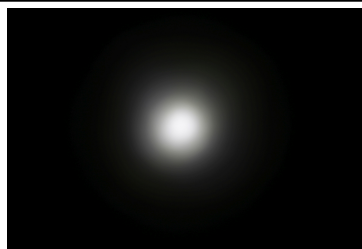
**CREE** 

LED XQ-E HD  
FWHM 6.0°  
Efficiency 94 %  
Peak intensity 42.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**CREE** 

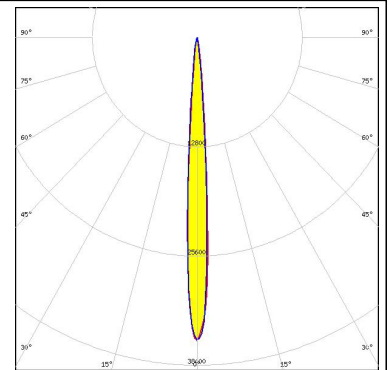
LED XQ-E HI  
FWHM 5.0°  
Efficiency 94 %  
Peak intensity 55.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

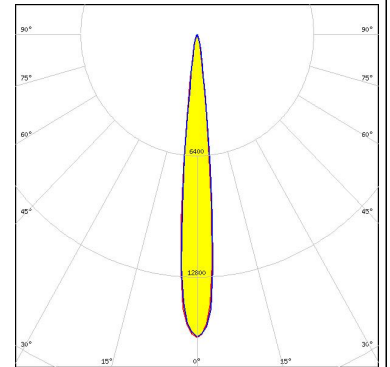
##### LUMILEDS

LED LUXEON C  
 FWHM 7.0°  
 Efficiency 92 %  
 Peak intensity 35.550 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



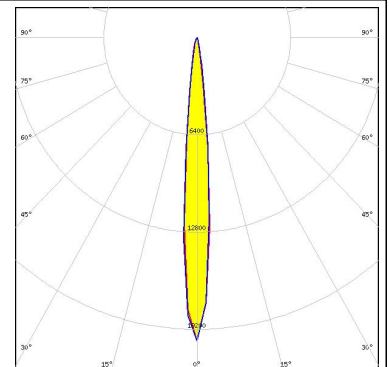
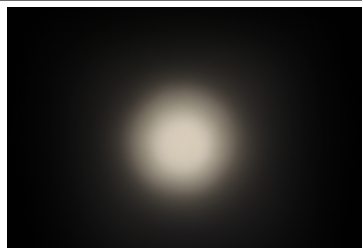
##### LUMILEDS

LED LUXEON T  
 FWHM 11.0°  
 Efficiency 92 %  
 Peak intensity 16.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### LUMILEDS

LED LUXEON TX  
 FWHM 10.0°  
 Efficiency 90 %  
 Peak intensity 19.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



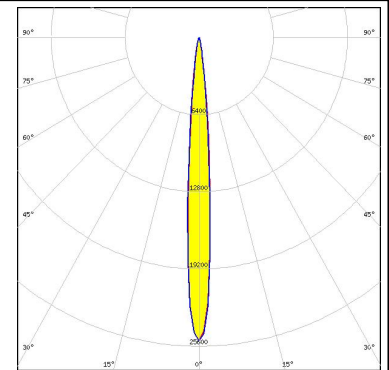
##### NICHIA

LED NCSxx19A  
 FWHM 8.0°  
 Efficiency 89 %  
 Peak intensity 19.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

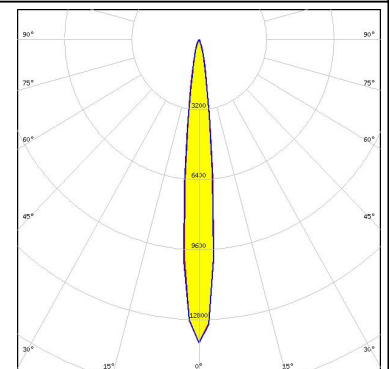
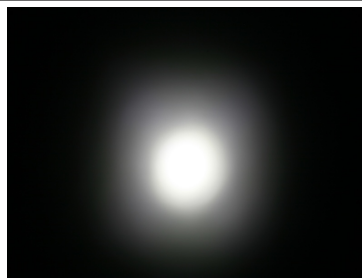
#### PHOTOMETRIC DATA (MEASURED):



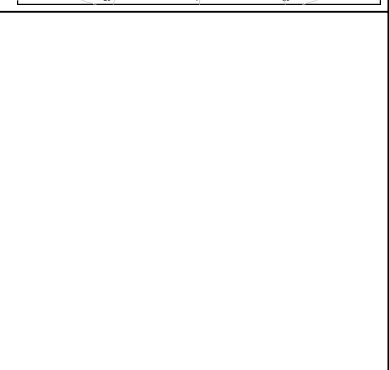
LED NCSxx19B  
 FWHM 9.0°  
 Efficiency 90 %  
 Peak intensity 25.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxx19A  
 FWHM 10.0°  
 Efficiency 89 %  
 Peak intensity 13.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxx19B/NVSxx19C  
 FWHM 12.0°  
 Efficiency 92 %  
 Peak intensity 13.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSLOM Square CSSRM2/CSSRM3  
 FWHM 10.0°  
 Efficiency 89 %  
 Peak intensity 20.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

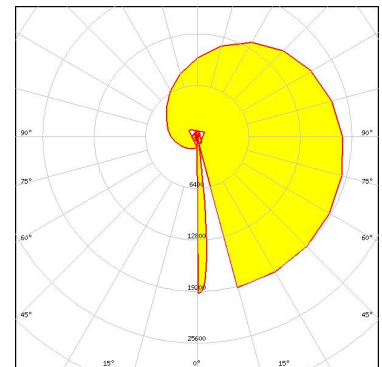
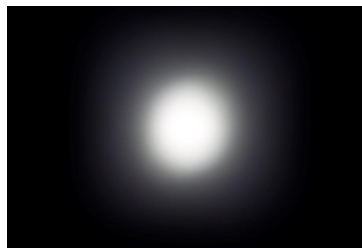
#### OSRAM

Opto Semiconductors

LED OSOLON SSL 150  
FWHM 7.0°  
Efficiency 93 %  
Peak intensity 24.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

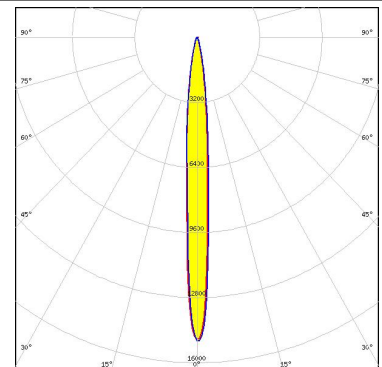
#### PHILIPS

LED Fortimo FastFlex 2x8 DS G3  
FWHM 10.0°  
Efficiency 92 %  
Peak intensity 19.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



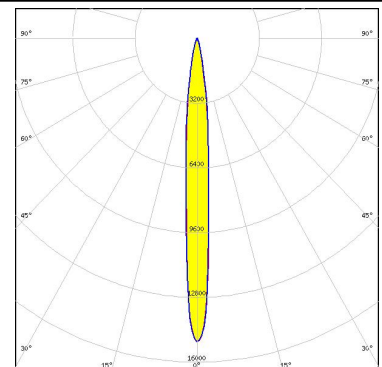
#### SAMSUNG

LED LH181A  
FWHM 8.0°  
Efficiency 94 %  
Peak intensity 14.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

LED LH181B  
FWHM 9.0°  
Efficiency 94 %  
Peak intensity 15.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

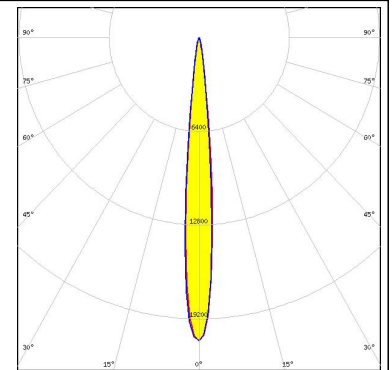




**PHOTOMETRIC DATA (MEASURED):**

## SAMSUNG

LED LH351Z  
FWHM 11.0°  
Efficiency 89 %  
Peak intensity 20.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



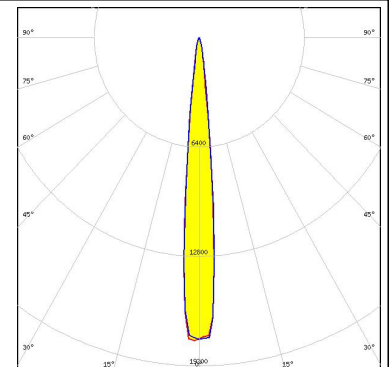
SEOUL SEMICONDUCTOR

LED Z5  
FWHM 7.0°  
Efficiency 93 %  
Peak intensity 32.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2  
FWHM 11.0°  
Efficiency 94 %  
Peak intensity 17.770 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

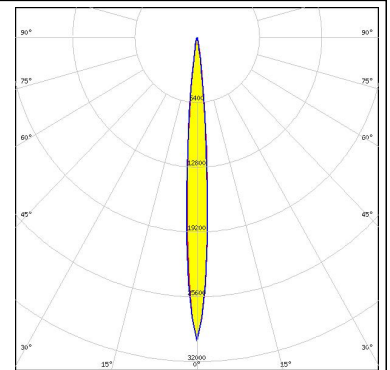




#### PHOTOMETRIC DATA (SIMULATED):

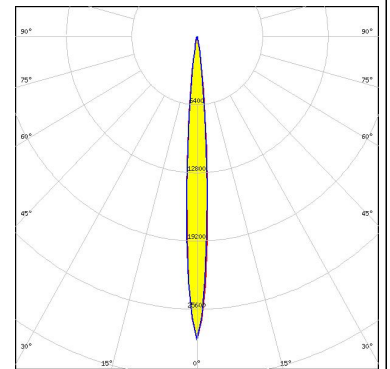
##### LUMILEDS

LED LUXEON SunPlus 20 Line (120 deg)  
 FWHM 8.0°  
 Efficiency 96 %  
 Peak intensity 29.956 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



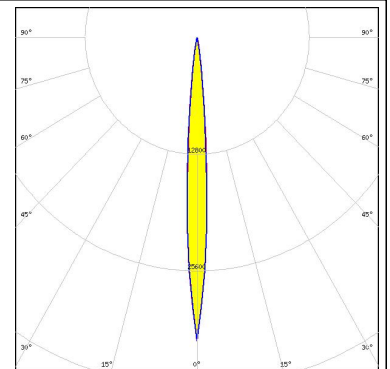
##### LUMILEDS

LED LUXEON SunPlus 20 Line (150 deg)  
 FWHM 8.0°  
 Efficiency 91 %  
 Peak intensity 28.492 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



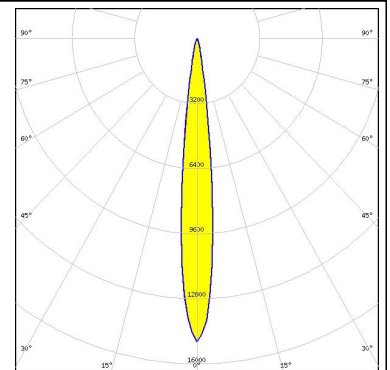
##### LUMILEDS

LED LUXEON Z ES  
 FWHM 7.7°  
 Efficiency 94 %  
 Peak intensity 33.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### NICHIA

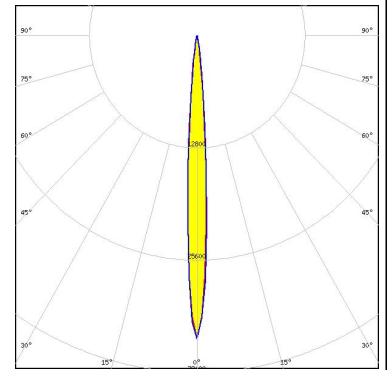
LED NVSxx19B/NVSxx19C  
 FWHM 12.0°  
 Efficiency 94 %  
 Peak intensity 14.920 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM Opto Semiconductors

LED OSCONIQ P 3030  
FWHM 7.1°  
Efficiency 96 %  
Peak intensity 34.582 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



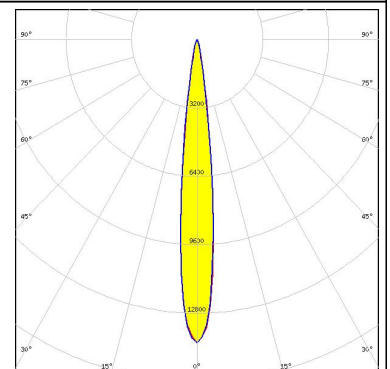
#### OSRAM Opto Semiconductors

LED OSLON Square EC  
FWHM 12.0°  
Efficiency %  
Peak intensity 11.750 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

LED LH351B  
FWHM 12.0°  
Efficiency 94 %  
Peak intensity 14.190 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.

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

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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