

## HEIDI-RS

~8° spot beam

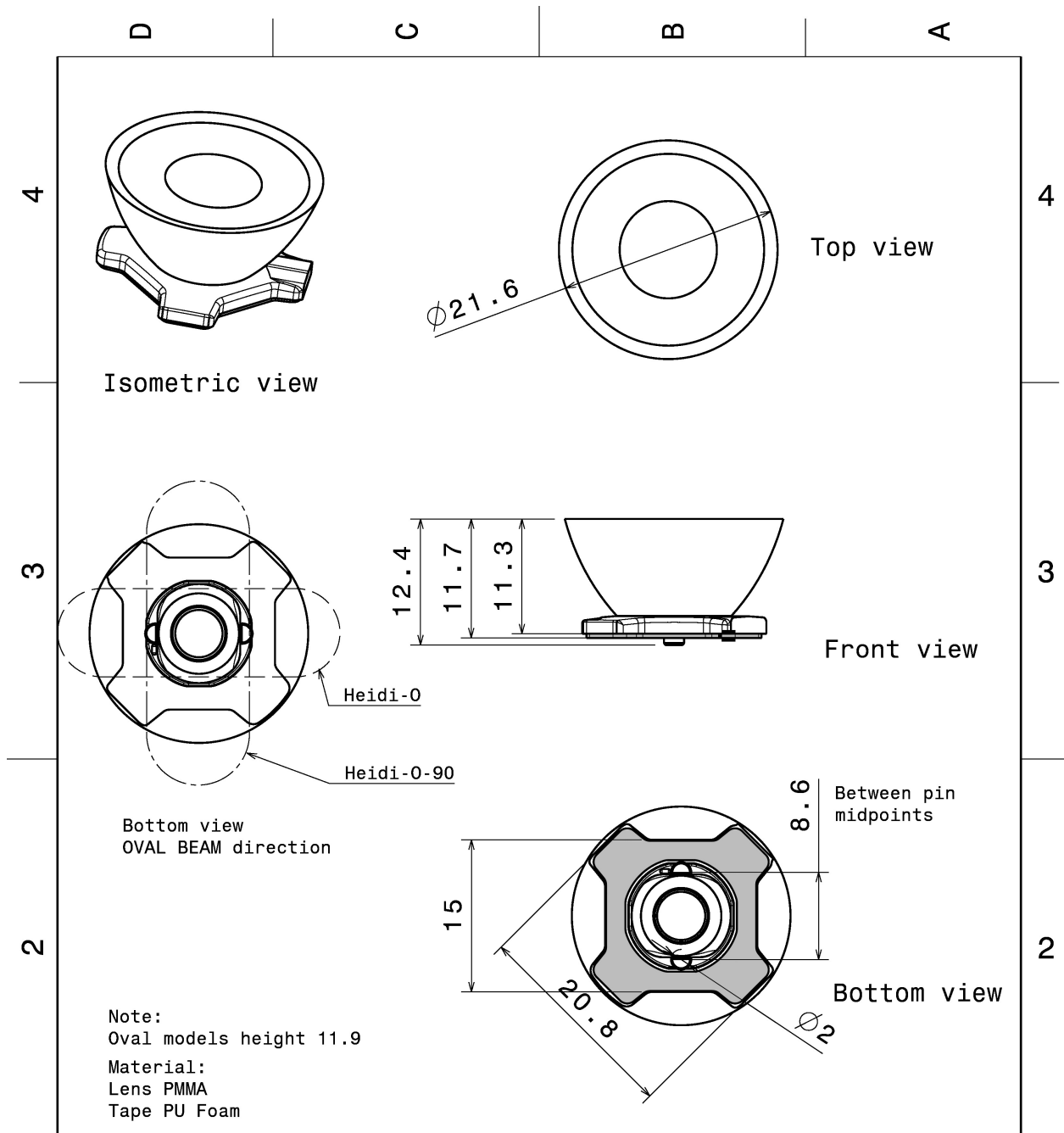
### TECHNICAL SPECIFICATIONS:

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	Lens	PMMA	clear
HEIDI-TAPE	Tape	PU tape	black



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

### PHOTOMETRIC DATA (MEASURED):

#### CREE

LED XB-D  
FWHM 8.0°  
Efficiency 91 %  
Peak intensity 19.700 cd/lm  
Required components:

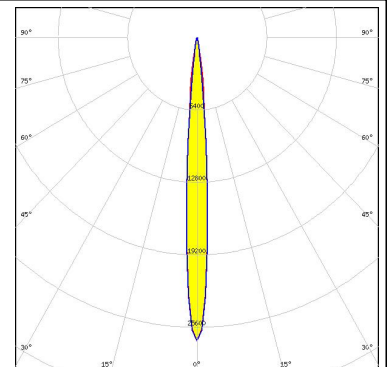
#### CREE

LED XB-H  
FWHM 10.0°  
Efficiency 90 %  
Peak intensity 18.300 cd/lm  
Required components:



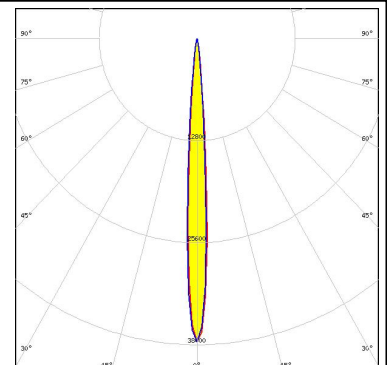
#### CREE

LED XP-E  
FWHM 8.0°  
Efficiency 93 %  
Peak intensity 26.800 cd/lm  
Required components:



#### CREE

LED XP-E2  
FWHM 8.0°  
Efficiency 90 %  
Peak intensity 38.000 cd/lm  
Required components:



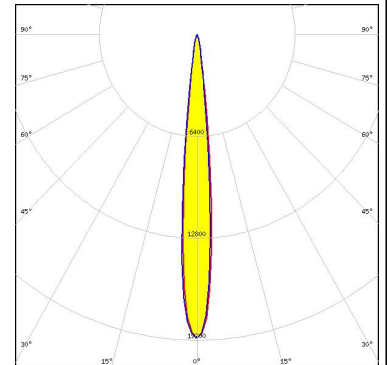
**PHOTOMETRIC DATA (MEASURED):**



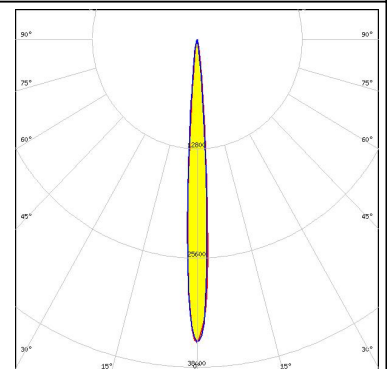
LED XP-G  
FWHM 9.0°  
Efficiency 93 %  
Peak intensity 16.600 cd/lm  
Required components:



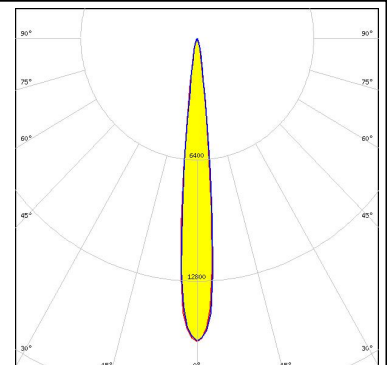
LED XP-G2  
FWHM 11.0°  
Efficiency 91 %  
Peak intensity 19.100 cd/lm  
Required components:



LED LUXEON C  
FWHM 7.0°  
Efficiency 92 %  
Peak intensity 35.550 cd/lm  
Required components:



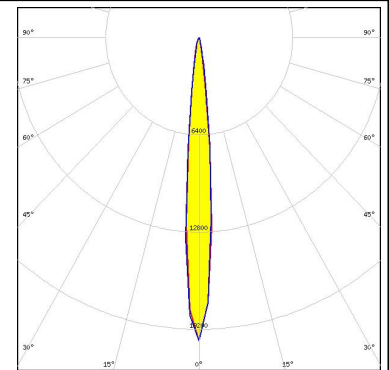
LED LUXEON T  
FWHM 11.0°  
Efficiency 92 %  
Peak intensity 16.300 cd/lm  
Required components:



### PHOTOMETRIC DATA (MEASURED):



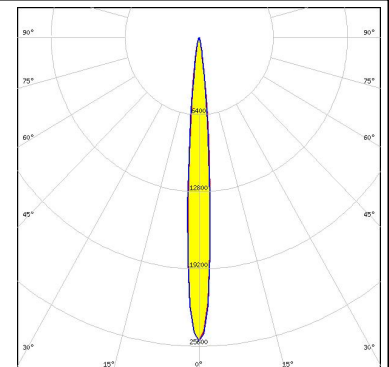
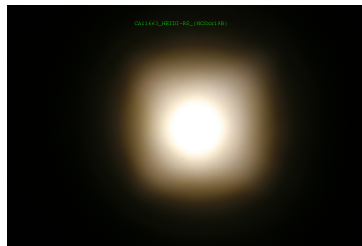
LED LUXEON TX  
FWHM 10.0°  
Efficiency 90 %  
Peak intensity 19.500 cd/Im  
Required components:



LED NCSxx19A  
FWHM 8.0°  
Efficiency 89 %  
Peak intensity 19.000 cd/Im  
Required components:


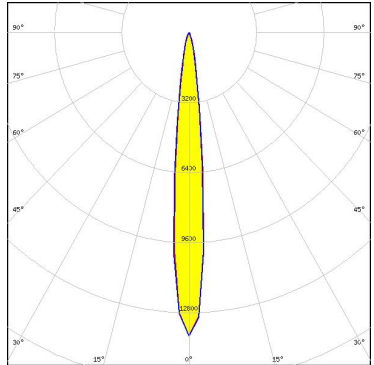



LED NCSxx19B  
FWHM 9.0°  
Efficiency 90 %  
Peak intensity 25.200 cd/Im  
Required components:



LED NVSxx19A  
FWHM 10.0°  
Efficiency 89 %  
Peak intensity 13.900 cd/Im  
Required components:

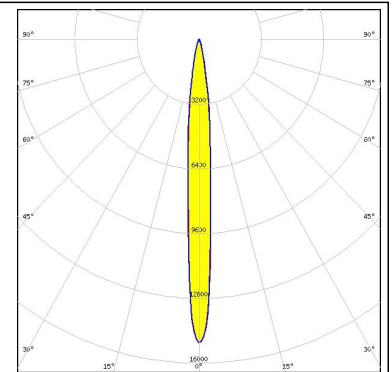
**PHOTOMETRIC DATA (MEASURED):**

<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM 12.0°            Efficiency 92 %            Peak intensity 13.900 cd/Im            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Oslon Square Gen3            FWHM 10.0°            Efficiency 89 %            Peak intensity 20.800 cd/Im            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Oslon SSL 150            FWHM 7.0°            Efficiency 93 %            Peak intensity 24.700 cd/Im            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Oslon SSL 80            FWHM 6.0°            Efficiency 90 %            Peak intensity 29.400 cd/Im            Required components:</p>		

**PHOTOMETRIC DATA (MEASURED):**

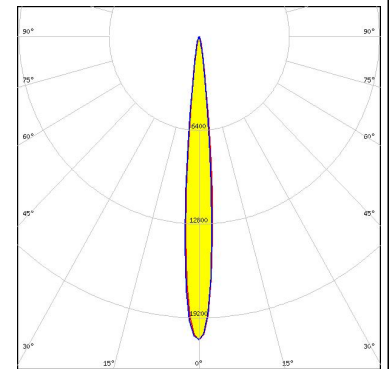
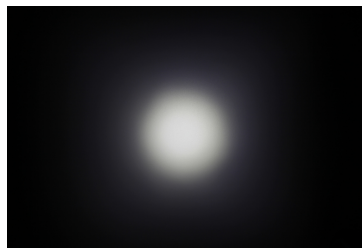
**SAMSUNG**

LED LH181B  
FWHM 9.0°  
Efficiency 94 %  
Peak intensity 15.000 cd/lm  
Required components:



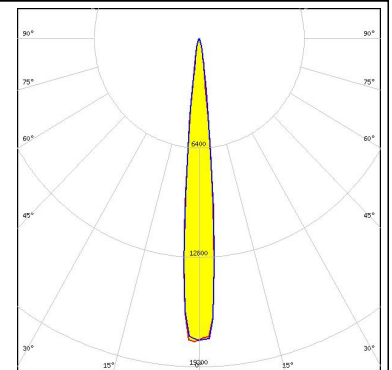
**SAMSUNG**

LED LH351Z  
FWHM 11.0°  
Efficiency 89 %  
Peak intensity 20.700 cd/lm  
Required components:



SEOUL SEMICONDUCTOR

LED Z5  
FWHM 7.0°  
Efficiency 93 %  
Peak intensity 32.700 cd/lm  
Required components:



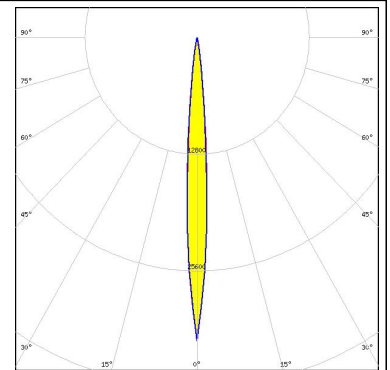
SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2  
FWHM 11.0°  
Efficiency 94 %  
Peak intensity 17.770 cd/lm  
Required components:

### PHOTOMETRIC DATA (SIMULATED):



LED LUXEON Z ES  
FWHM 7.7°  
Efficiency 94 %  
Peak intensity 33.300 cd/lm  
Required components:



LED Oslon Square EC  
FWHM 12.0°  
Efficiency %  
Peak intensity 11.750 cd/lm  
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.

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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Local sales and technical support

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

#### Shipping locations

Salo, Finland  
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