

### HEIDI

**Ø21.6 mm easily sealable TIR-lenses for up to 3535 size LED packages**

TIR-lens with multiple beam patterns designed to be easily protected against the environment by conformal coatings. Available with or without two-sided adhesive tape.

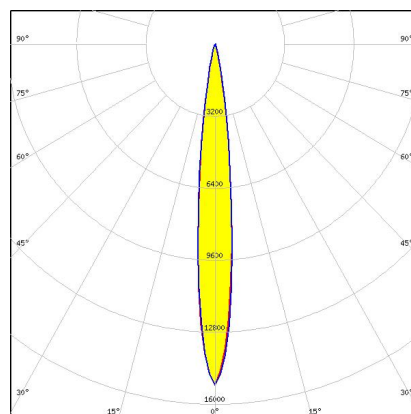


### PRODUCTS:

#### C13738\_HEIDI-M-NP

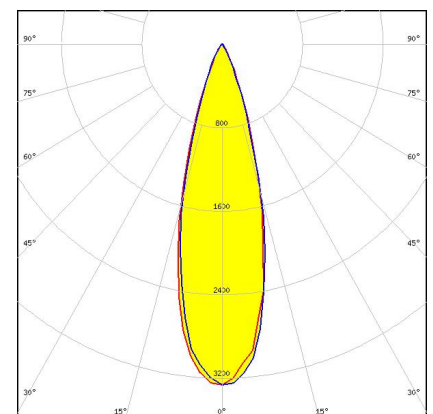
**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.60 mm**  
~25° medium beam. Version without location pins.

#### CA11264\_HEIDI-D



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.90 mm**  
~10° diffused spot beam

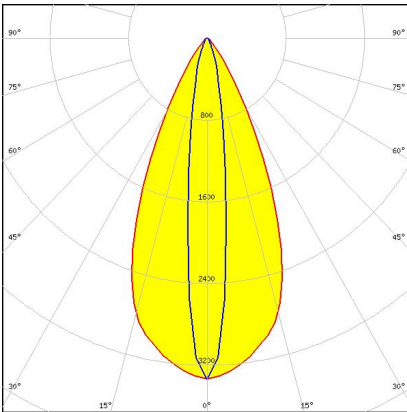
#### CA11265\_HEIDI-M



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.90 mm**  
~25° medium beam

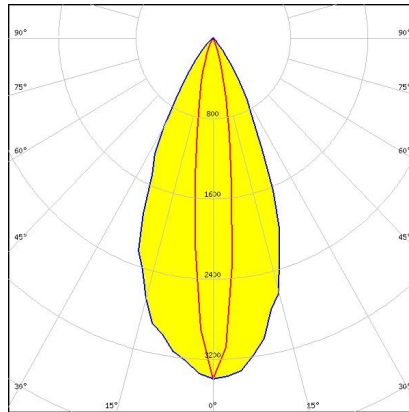
### PRODUCTS:

#### CA11266\_HEIDI-O



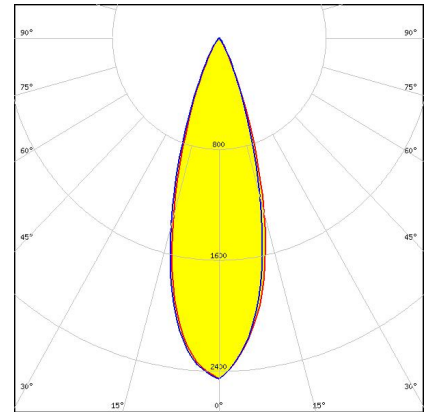
**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.90 mm**  
 ~50° x 11° oval beam

#### CA11267\_HEIDI-O-90



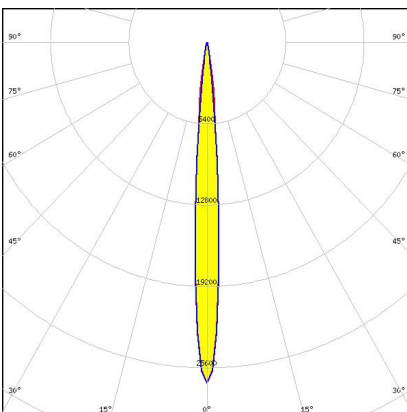
**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 12.10 mm**  
 ~13° x 45° oval beam optimized for Cree XP-G and XP-E. Variant with beam direction rotated 90°.

#### CA11268\_HEIDI-W



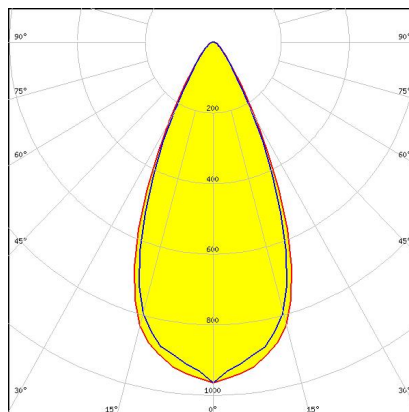
**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.70 mm**  
 ~32° wide beam

#### CA11663\_HEIDI-RS



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.70 mm**  
 ~8° spot beam

#### CA12079\_HEIDI-W2



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 12.00 mm**  
 ~45° wide beam

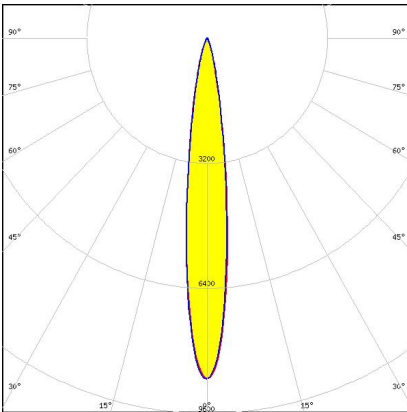
#### CA12242\_HEIDI-SS

SetPlotAreaColor(1): X range error - min >= max

**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.70 mm**  
 ~15° smooth spot beam

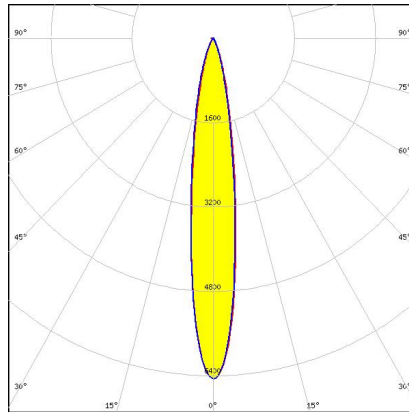
### PRODUCTS:

#### CA12443\_HEIDI-SS



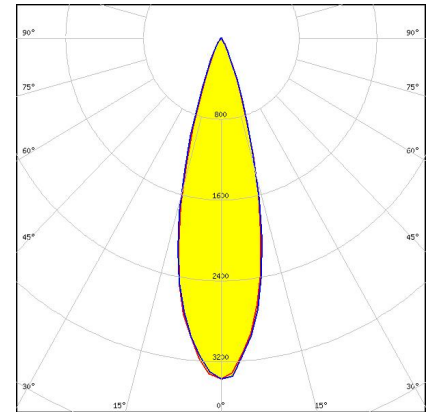
**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.70 mm**  
~15° smooth spot beam optimized  
for LUXEON Rebel ES

#### CA12530\_HEIDI-D



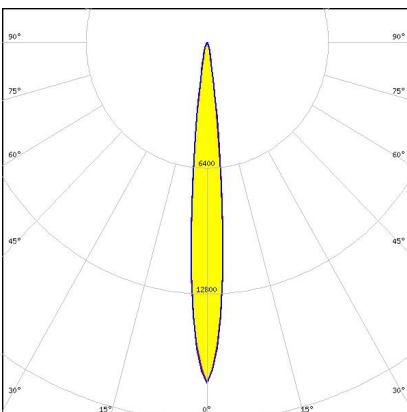
**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.70 mm**  
~10° diffused spot beam optimized  
for LUXEON Rebel ES

#### CA12536\_HEIDI-M



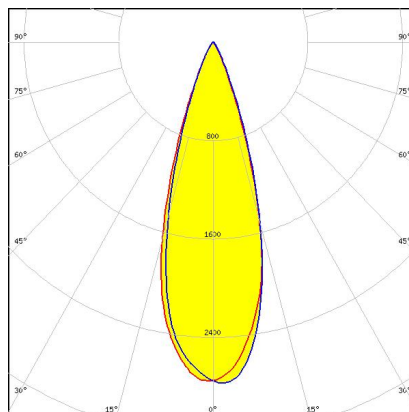
**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.70 mm**  
~25° medium beam

#### CA12537\_HEIDI-RS



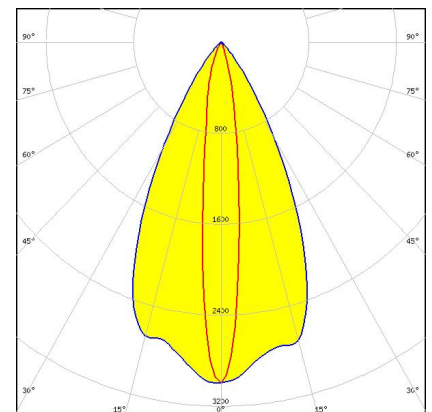
**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.70 mm**  
~8° spot beam

#### CA12538\_HEIDI-W



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.70 mm**  
~30° wide beam optimized for  
LUXEON Rebel ES

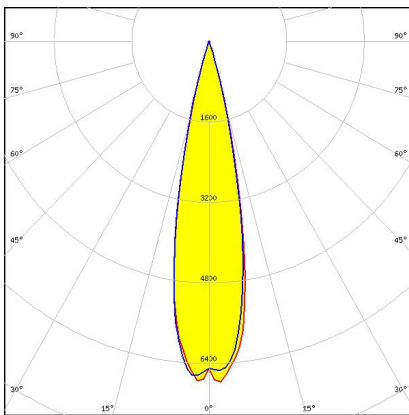
#### CA12815\_HEIDI-O-90



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.70 mm**  
~13° x 45° oval beam optimized for  
Luxeon Rebel. Variant with beam  
direction rotated 90°.

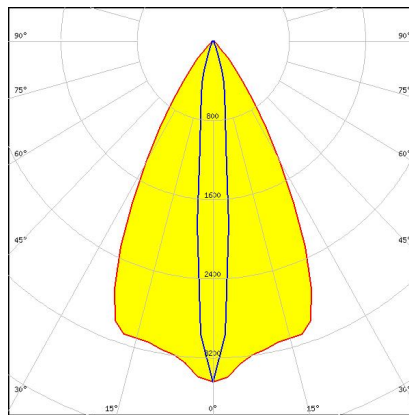
### PRODUCTS:

#### CA12893\_HEIDI-WR



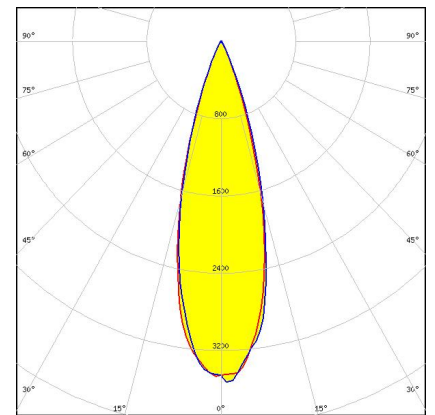
**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.70 mm**  
~30° wide round shaped beam

#### CA12949\_HEIDI-O



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.70 mm**  
~50° x 11° oval beam

#### CA14000\_HEIDI-M-NP

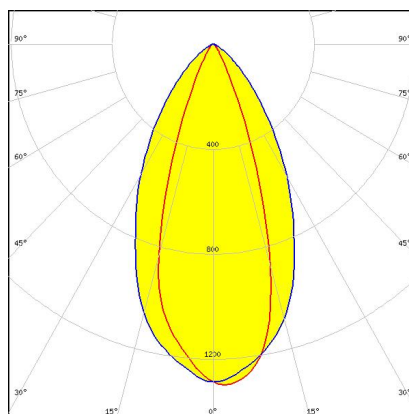


**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 11.60 mm**  
~25° medium beam. Version without location pins.

#### CA14057\_HEIDI-REC

**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 12.20 mm**  
~35° + 55° rectangular beam

#### CA14197\_HEIDI-REC-90



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 12.85 mm**  
~35° + 55° rectangular beam

### 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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