

## YASMEEN-50-S-C

~15° spot beam. Assembly with holder C compatible with HEKLA sockets and connectors. Black version.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.9 mm
Height	28.1 mm
ROHS compliant	yes ⓘ

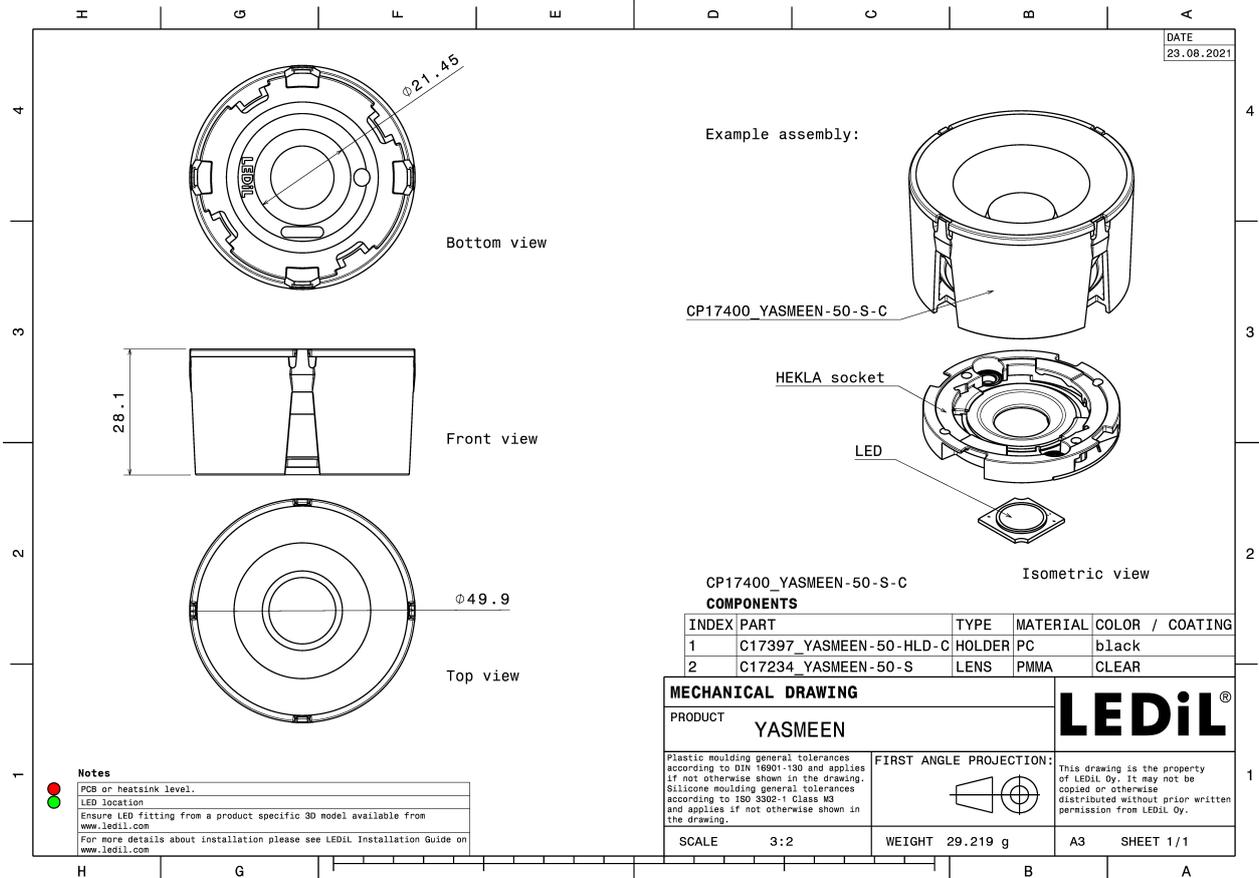


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
YASMEEN-50-S	Single lens	PMMA	clear	
YASMEEN-50-HLD-C	Holder	PC	black	

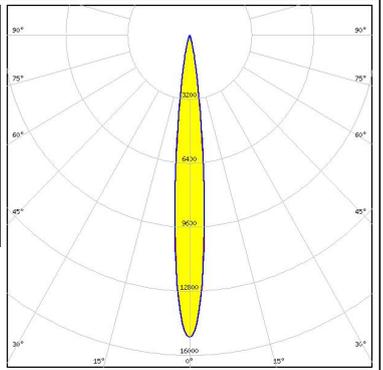
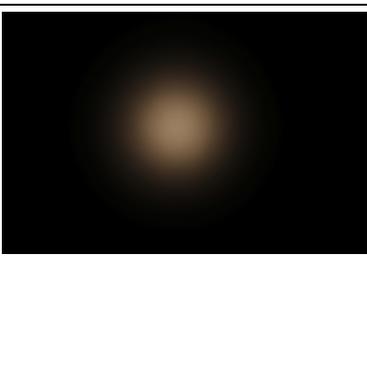
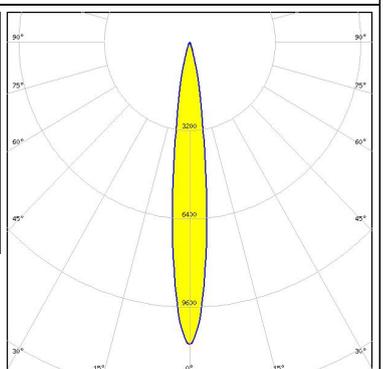
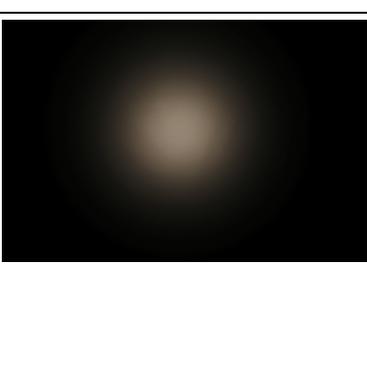
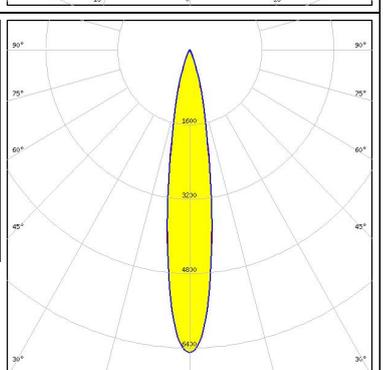
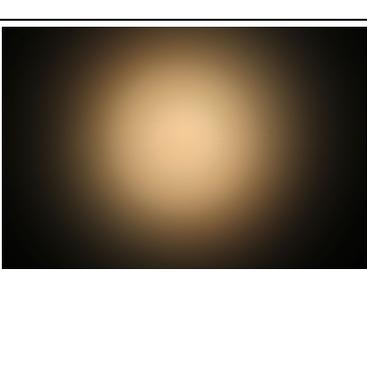
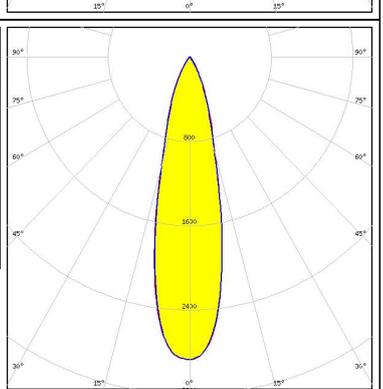
### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP17400_YASMEEN-50-S-C	Single lens	252	112	28	8.9
» Box size: 476 x 273 x 305 mm					

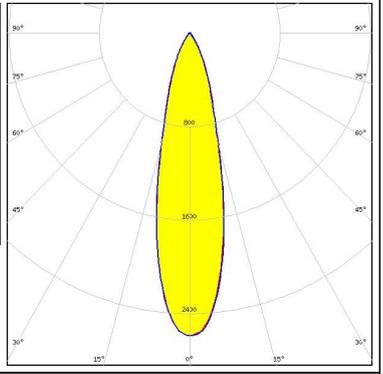
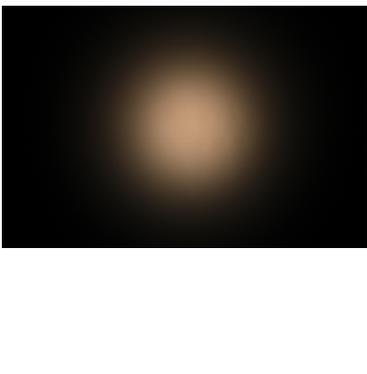
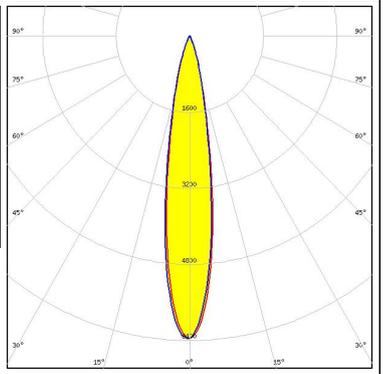
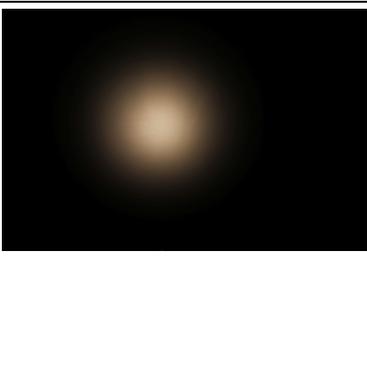
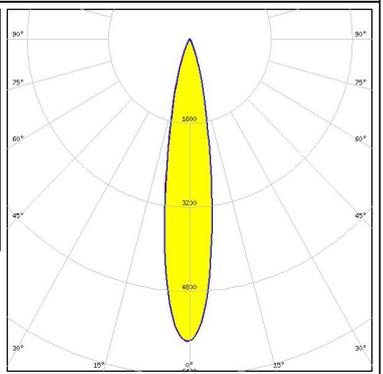
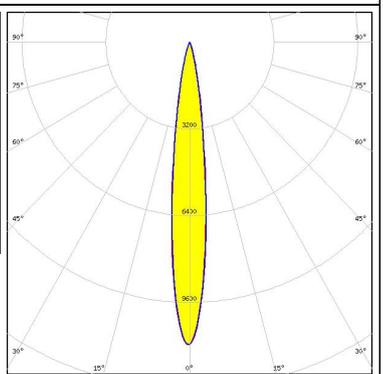


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V4 HD</p> <p>FWHM / FWTM 11.0° / 23.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 15.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15253_HEKLA-SOCKET-A</p>		
<p>bridgelux.</p> <p>LED V6 HD</p> <p>FWHM / FWTM 13.0° / 28.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 11 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM / FWTM 17.0° / 37.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 6.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15616_HEKLA-SOCKET-F</p>		
<p>bridgelux.</p> <p>LED Vesta DTW 13mm (21W)</p> <p>FWHM / FWTM 25.0° / 53.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 2.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: Bender Wirth: 632b Hekla XL</p>		

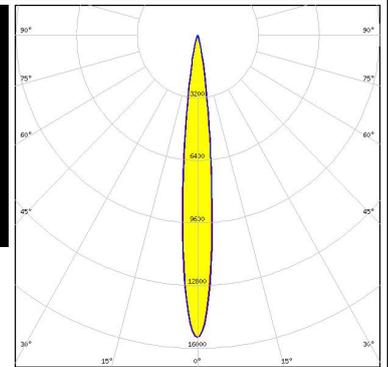
#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED Vesta DTW 15mm (33W)            FWHM / FWTM 26.0° / 55.0°            Efficiency 75 %            Peak intensity 2.6 cd/lm            LEDs/each optic 1            Light colour Tunable White            Required components:            Bender Wirth: 632b Hekla XL</p>		
<p></p> <p>LED Vesta DTW 9mm (4W/6W/12W)            FWHM / FWTM 18.0° / 37.0°            Efficiency 86 %            Peak intensity 6.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 652b Hekla</p>		
<p><b>CITIZEN</b></p> <p>LED CLL02x/CLU02x (LES10)            FWHM / FWTM 18.0° / 38.0°            Efficiency 86 %            Peak intensity 5.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17435_HEKLA-G2-C</p>		
<p><b>CITIZEN</b></p> <p>LED CLU700/701/702            FWHM / FWTM 13.0° / 27.0°            Efficiency 89 %            Peak intensity 11.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17435_HEKLA-G2-C</p>		

#### PHOTOMETRIC DATA (MEASURED):

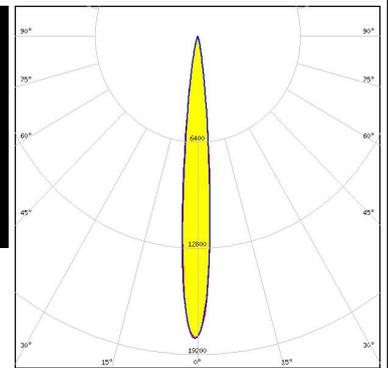
#### CITIZEN

LED CLU7A2 (LES 4.2mm)  
 FWHM / FWTM 11.0° / 23.0°  
 Efficiency 89 %  
 Peak intensity 15.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



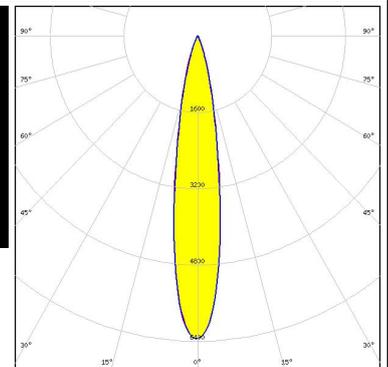
#### CITIZEN

LED CLU7B2  
 FWHM / FWTM 10.0° / 21.0°  
 Efficiency 89 %  
 Peak intensity 18.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



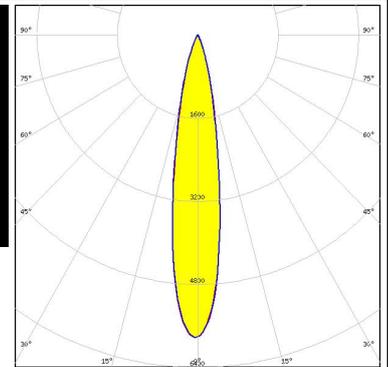
#### CREE LED

LED CMA1516  
 FWHM / FWTM 17.0° / 36.0°  
 Efficiency 87 %  
 Peak intensity 6.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17436\_HEKLA-G2-D



#### CREE LED

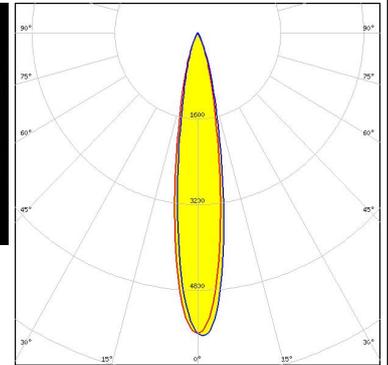
LED CMT14xx  
 FWHM / FWTM 18.0° / 38.0°  
 Efficiency 86 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



#### PHOTOMETRIC DATA (MEASURED):

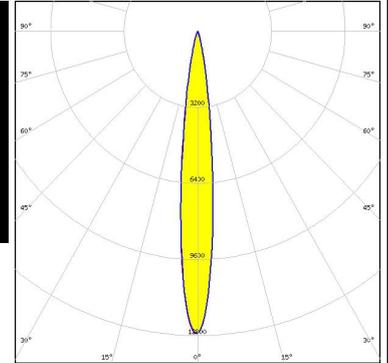
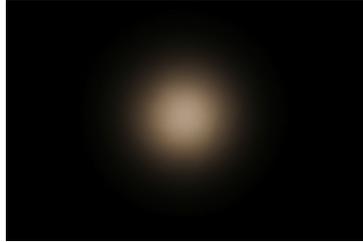
##### CREE LED

LED CMU10xx  
 FWHM / FWTM 18.0° / 39.0°  
 Efficiency 84 %  
 Peak intensity 5.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



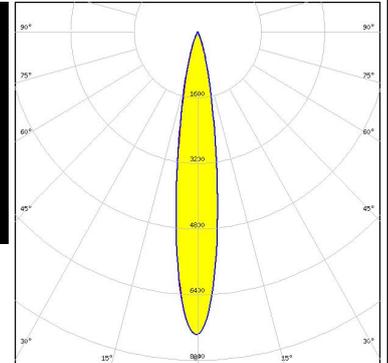
##### CREE LED

LED CXA/B 13xx  
 FWHM / FWTM 12.0° / 26.0°  
 Efficiency 89 %  
 Peak intensity 12.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17439\_HEKLA-G2-J



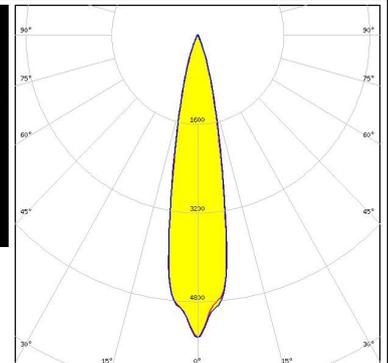
##### CREE LED

LED CXA/B 15xx  
 FWHM / FWTM 15.0° / 34.0°  
 Efficiency 87 %  
 Peak intensity 7.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17436\_HEKLA-G2-D

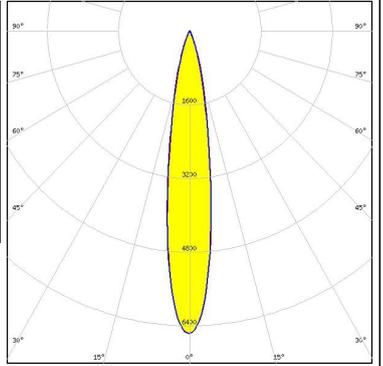
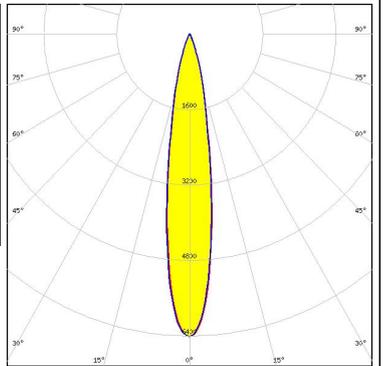
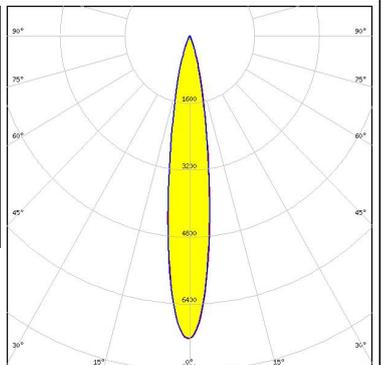
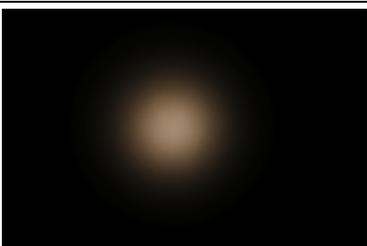
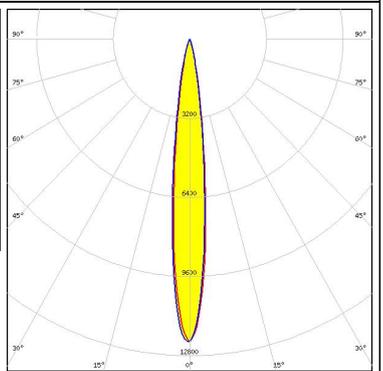


##### LEDIM

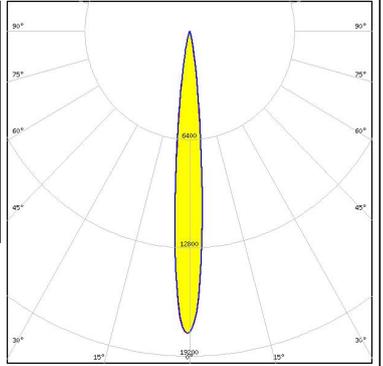
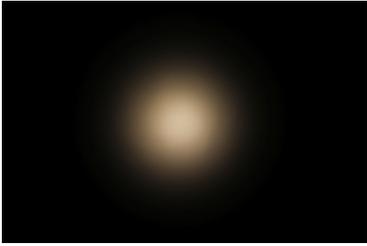
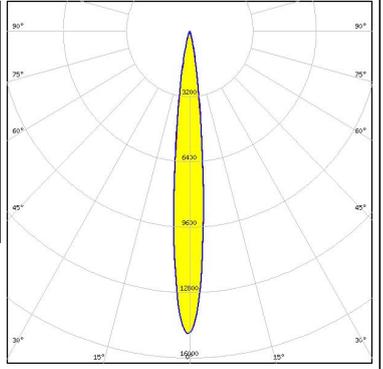
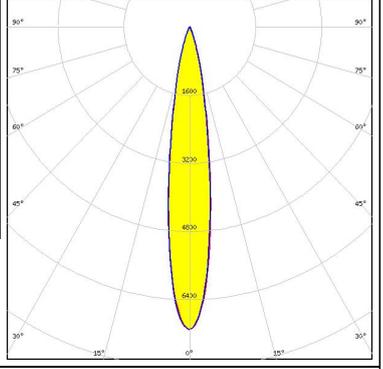
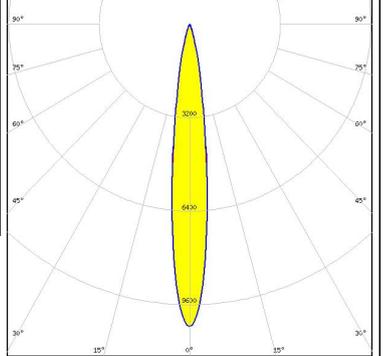
LED LEDIM/C6  
 FWHM / FWTM 20.0° / 38.0°  
 Efficiency 86 %  
 Peak intensity 5.4 cd/lm  
 LEDs/each optic 9  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM / FWTM 17.0° / 36.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 6.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17437_HEKLA-G2-H</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1204HD</p> <p>FWHM / FWTM 17.0° / 36.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 6.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17437_HEKLA-G2-H</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB M02/M03</p> <p>FWHM / FWTM 16.0° / 34.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 7.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17436_HEKLA-G2-D</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB S01</p> <p>FWHM / FWTM 12.0° / 26.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 12.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17439_HEKLA-G2-J</p>		

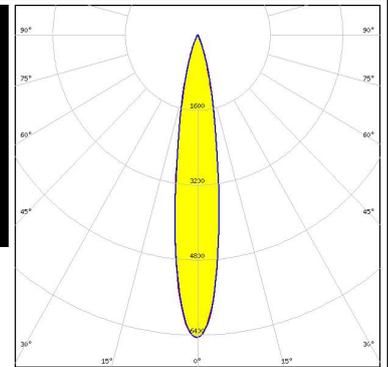
#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMINUS</b></p> <p>LED CXM-3            FWHM / FWTM 11.0° / 21.0°            Efficiency 89 %            Peak intensity 17.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17435_HEKLA-G2-C</p>		
<p><b>LUMINUS</b></p> <p>LED CXM-4            FWHM / FWTM 12.0° / 24.0°            Efficiency 89 %            Peak intensity 14.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17435_HEKLA-G2-C</p>		
<p><b>NICHIA</b></p> <p>LED COB L-Type (LES 9)            FWHM / FWTM 16.0° / 34.0°            Efficiency 86 %            Peak intensity 7.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17437_HEKLA-G2-H</p>		
<p><b>NICHIA</b></p> <p>LED COB S-Type (LES 7)            FWHM / FWTM 14.0° / 29.0°            Efficiency 89 %            Peak intensity 10.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15848_HEKLA-SOCKET-G</p>		

#### PHOTOMETRIC DATA (MEASURED):

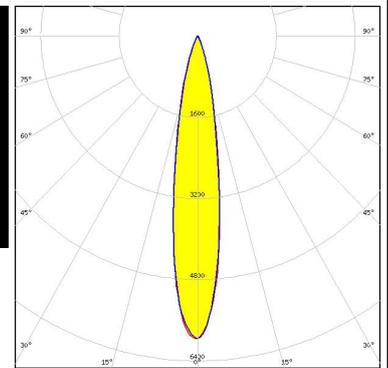
### PHILIPS

LED Fortimo SLM L09 CoB  
 FWHM / FWTM 16.0° / 36.0°  
 Efficiency 86 %  
 Peak intensity 6.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17437\_HEKLA-G2-H

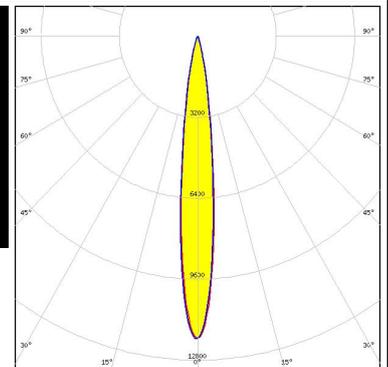


### SAMSUNG

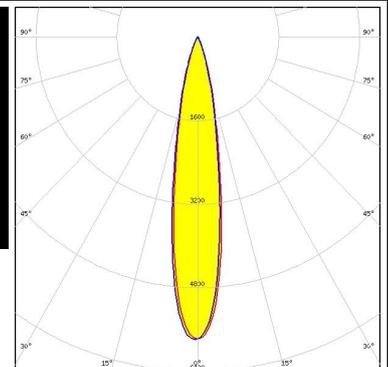
LED LC003D / LC006D / LC009D / LC013D  
 FWHM / FWTM 17.0° / 38.0°  
 Efficiency 86 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



LED MJT COB LES 6  
 FWHM / FWTM 12.0° / 26.0°  
 Efficiency 89 %  
 Peak intensity 12 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



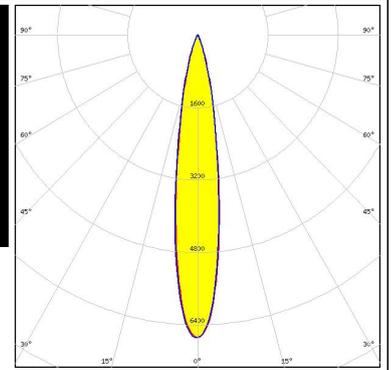
LED MJT COB LES 9.8  
 FWHM / FWTM 18.0° / 38.0°  
 Efficiency 86 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



#### PHOTOMETRIC DATA (MEASURED):

#### TRIDONIC

LED SLE G7 LES09  
FWHM / FWMTM 16.0° / 36.0°  
Efficiency 87 %  
Peak intensity 6.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17435\_HEKLA-G2-C



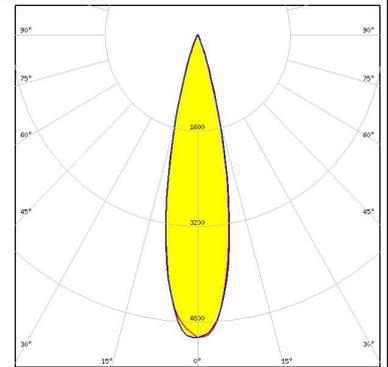
#### PHOTOMETRIC DATA (SIMULATED):

<p>bridgelux.</p> <p>LED V6 HD</p> <p>FWHM / FWTM 14.0° / 28.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 10.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>	
<p>bridgelux.</p> <p>LED Vero SE 13</p> <p>FWHM / FWTM 20.0° / 50.0°</p> <p>Efficiency 68 %</p> <p>Peak intensity 3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>	
<p>bridgelux.</p> <p>LED Vesta DTW 13mm (21W)</p> <p>FWHM / FWTM 16.0° / 39.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 5.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8</p>	
<p>bridgelux.</p> <p>LED Vesta TW 13mm (25W) CSP</p> <p>FWHM / FWTM 28.0° / 46.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 3.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>	

#### PHOTOMETRIC DATA (SIMULATED):

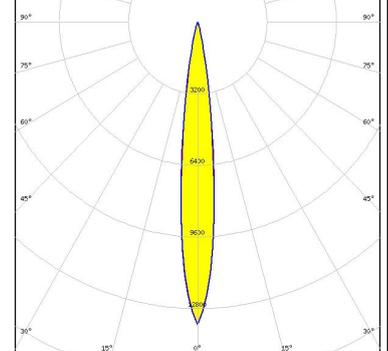


LED Vesta TW 9mm (12W) CSP  
 FWHM / FWTM 24.0° / 40.0°  
 Efficiency 91 %  
 Peak intensity 5.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

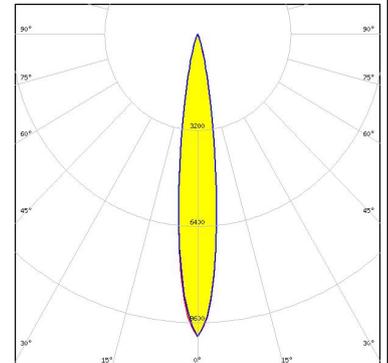


#### CITIZEN

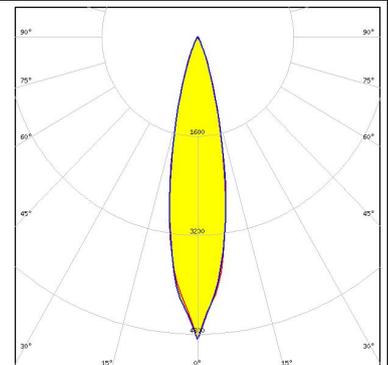
LED CLU7A2 (LES 4.2mm)  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 90 %  
 Peak intensity 13.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



LED CMA1306  
 FWHM / FWTM 14.0° / 30.0°  
 Efficiency 89 %  
 Peak intensity 10.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17439\_HEKLA-G2-J



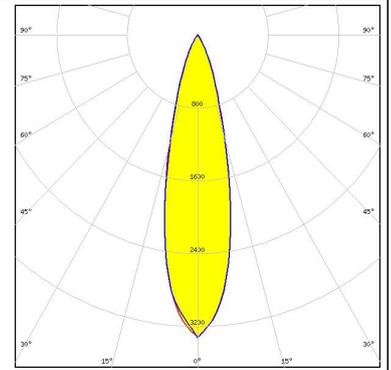
LED NVCWJ024Z-V1MT: COB J-Type Tunable White  
 FWHM / FWTM 22.0° / 42.0°  
 Efficiency 88 %  
 Peak intensity 4.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 498 Typ L8 HV



#### PHOTOMETRIC DATA (SIMULATED):

#### TRIDONIC

LED	SLE G7 LES13
FWHM / FWTM	25.0° / 50.0°
Efficiency	81 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17438_HEKLA-G2-I



#### 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

#### 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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#### LEDiL Oy

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Casic Motor Building  
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