

### AMY-50-S-C

~18° spot beam. Assembly with holder C compatible with HEKLA sockets and connectors. Black version.

#### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.9 mm
Height	13 mm
Fastening	socket
ROHS compliant	yes ⓘ

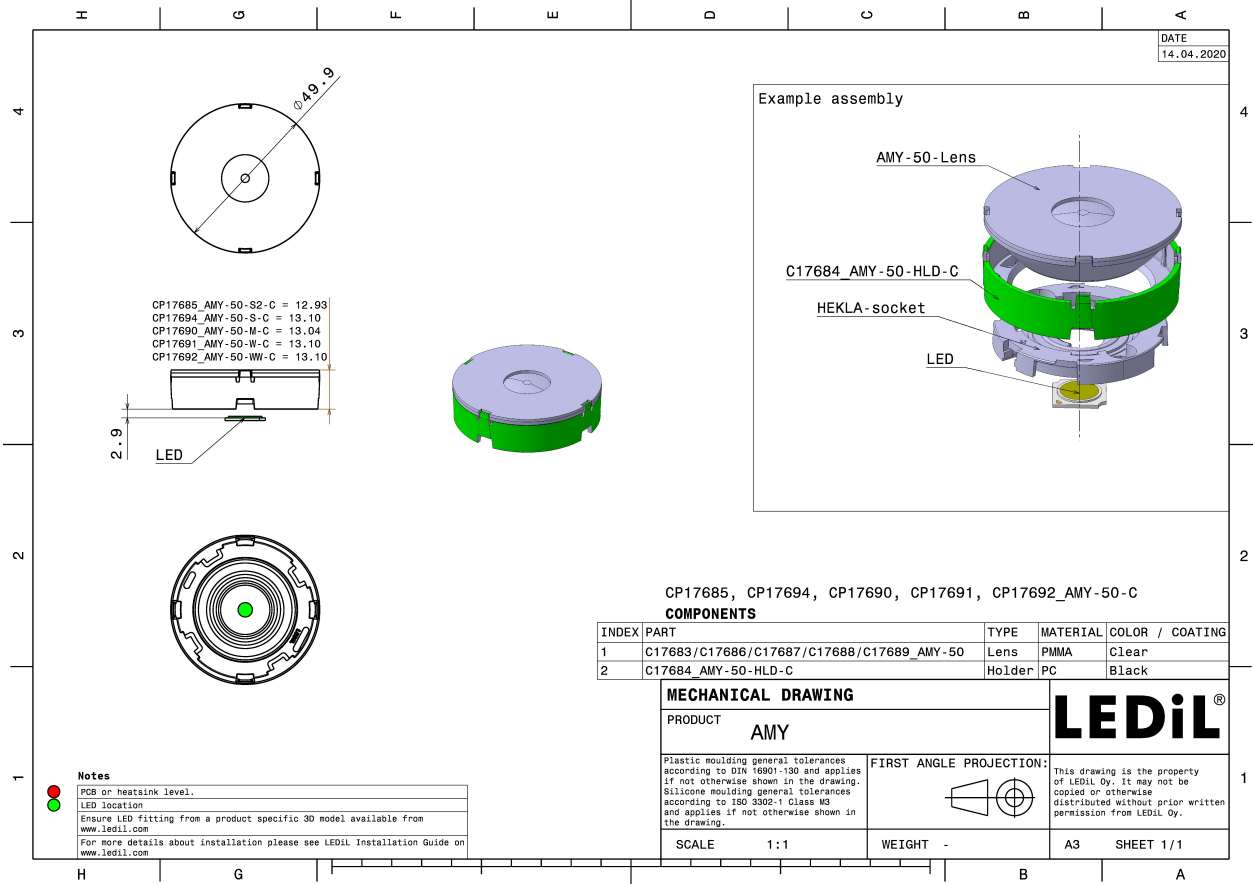


#### MATERIAL SPECIFICATIONS:

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


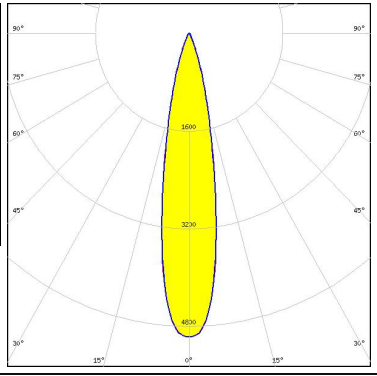

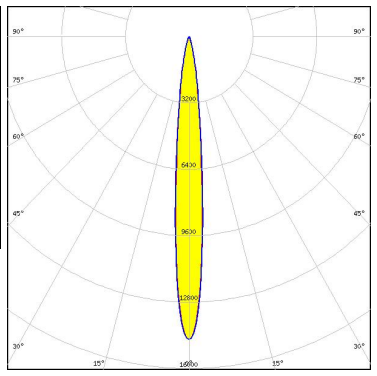

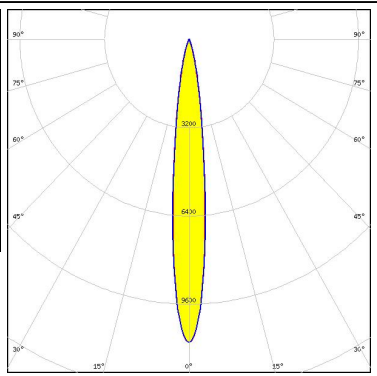

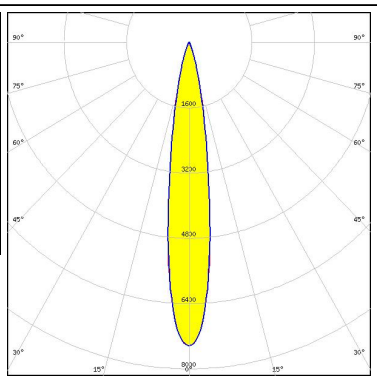
#### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP17694_AMY-50-S-C » Box size: 480 x 280 x 300 mm	510	120	30	9.1


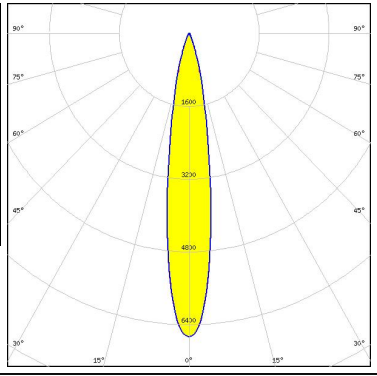

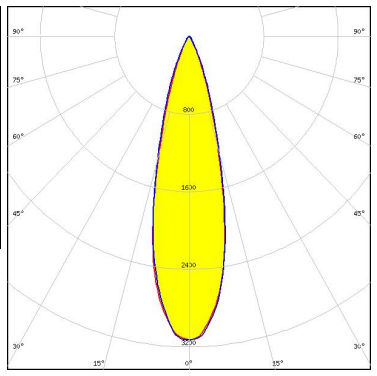

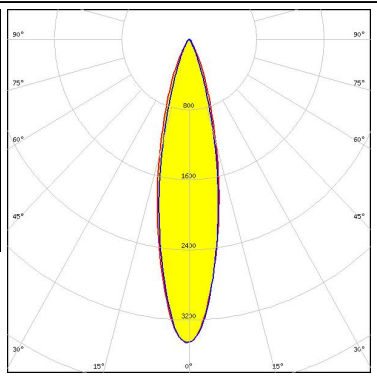

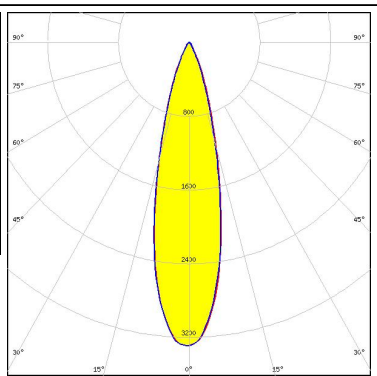


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)



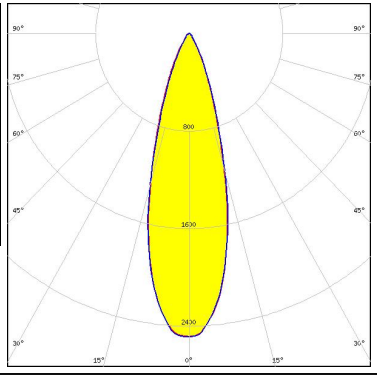

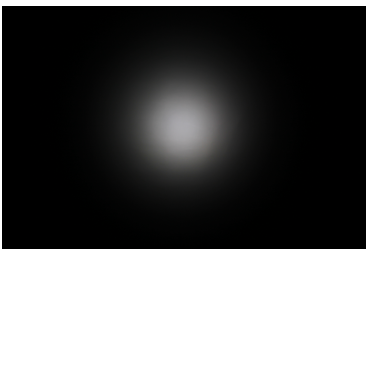
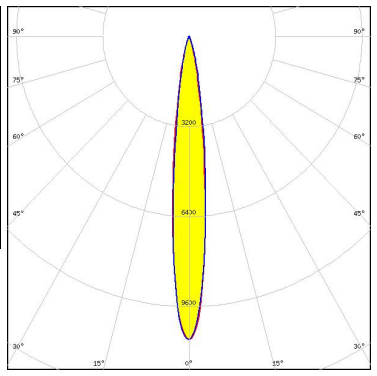


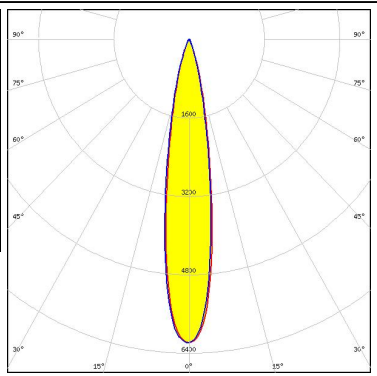

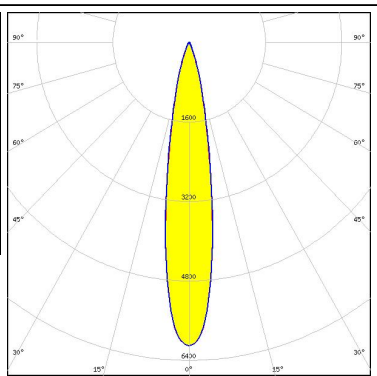
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V11 HD</p> <p>FWHM / FWTM 20.0° / 41.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 633d Hekla</p>		
<p>bridgelux.</p> <p>LED V4 HD</p> <p>FWHM / FWTM 10.0° / 24.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 14.6 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 12.0° / 28.0°</p> <p>Efficiency 92 %</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 V9 HD</p> <p>FWHM / FWTM 16.0° / 33.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 7.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>		

#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM / FWTM 17.0° / 36.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 6.7 cd/m</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 27.0° / 49.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 3.1 cd/m</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 DTW 15mm (33W)</p> <p>FWHM / FWTM 24.0° / 49.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 3.5 cd/m</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 (18W) DP</p> <p>FWHM / FWTM 25.0° / 49.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 3.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 492 Typ L8</p>		

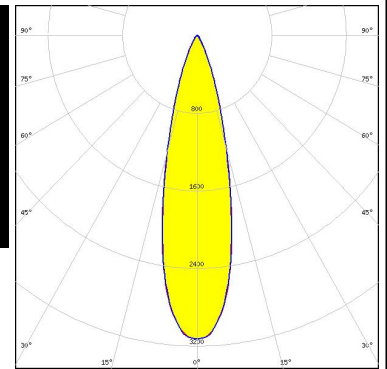
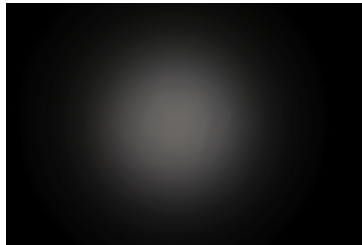
#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED Vesta TW 15mm DP            FWHM / FWTM 30.0° / 55.0°            Efficiency 85 %            Peak intensity 2.5 cd/lm            LEDs/each optic 1            Light colour Tunable White</p> <p>Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 482 Typ L8</p>		
<p></p> <p>LED Vesta TW 6mm DP            FWHM / FWTM 13.0° / 28.0°            Efficiency 90 %            Peak intensity 10.8 cd/lm            LEDs/each optic 1            Light colour Tunable White</p> <p>Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 504 Typ L8</p>		
<p></p> <p>LED Vesta TW 9mm (9W) DP            FWHM / FWTM 18.0° / 36.0°            Efficiency 88 %            Peak intensity 6.2 cd/lm            LEDs/each optic 1            Light colour Tunable White</p> <p>Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 489 Typ L8</p>		
<p><b>CITIZEN</b></p> <p>LED CLL02x/CLU02x (LES10)            FWHM / FWTM 18.0° / 36.0°            Efficiency 89 %            Peak intensity 6.1 cd/lm            LEDs/each optic 1            Light colour White</p> <p>Required components:            F17435_HEKLA-G2-C</p>		

#### PHOTOMETRIC DATA (MEASURED):

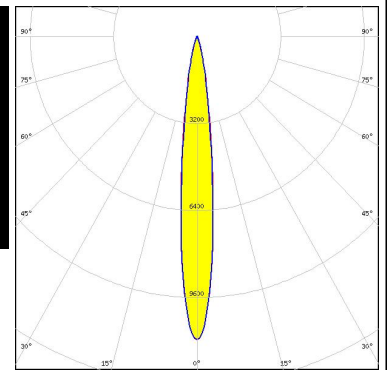
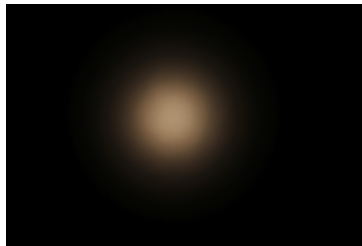
#### CITIZEN

LED CLL03x/CLU03x  
 FWHM / FWTM 26.0° / 50.0°  
 Efficiency 86 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



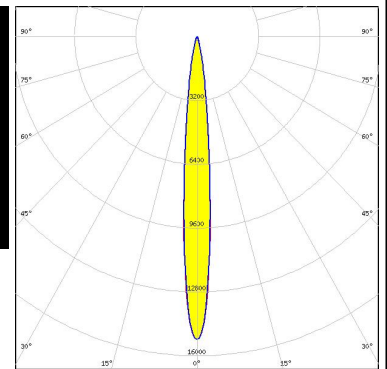
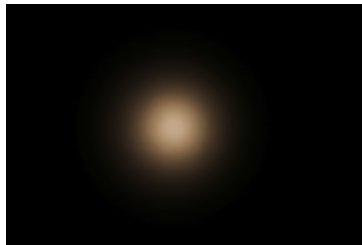
#### CITIZEN

LED CLU700/701/702  
 FWHM / FWTM 13.0° / 28.0°  
 Efficiency 90 %  
 Peak intensity 11.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



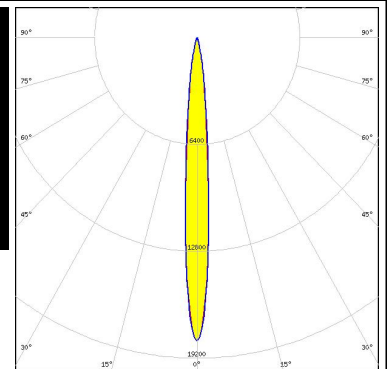
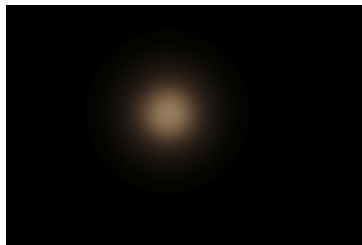
#### CITIZEN

LED CLU7A2 (LES 4.2mm)  
 FWHM / FWTM 10.0° / 23.0°  
 Efficiency 91 %  
 Peak intensity 15.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C


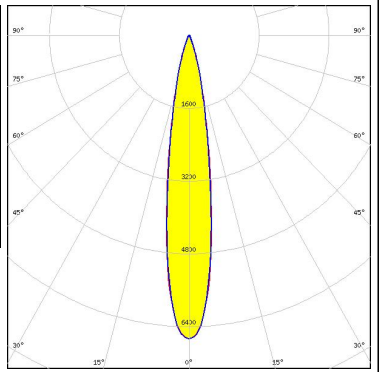

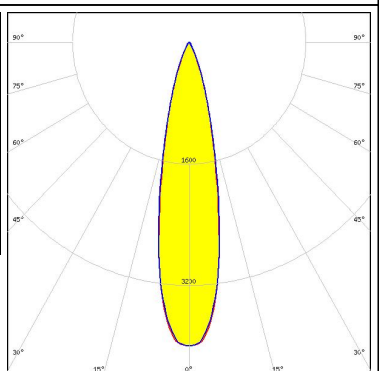

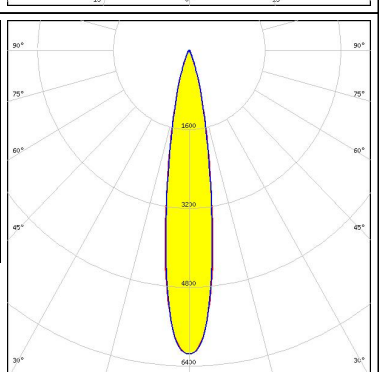

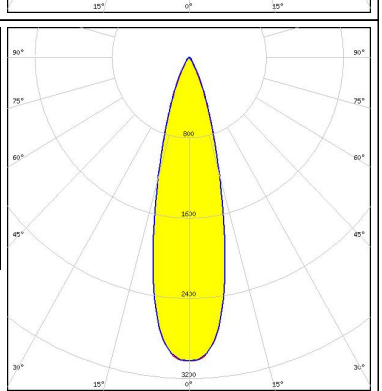


#### CITIZEN

LED CLU7B2  
 FWHM / FWTM 9.0° / 22.0°  
 Efficiency 91 %  
 Peak intensity 18.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



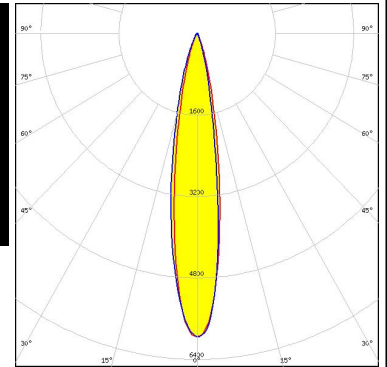
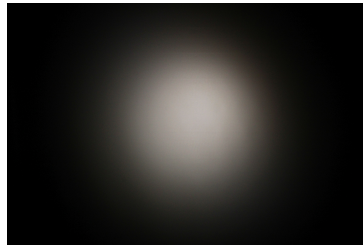
#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED CMA1516            FWHM / FWTM 17.0° / 35.0°            Efficiency 90 %            Peak intensity 6.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17436_HEKLA-G2-D</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED CMA1825            FWHM / FWTM 23.0° / 45.0°            Efficiency 89 %            Peak intensity 4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15254_HEKLA-SOCKET-B</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED CMT14xx            FWHM / FWTM 18.0° / 37.0°            Efficiency 89 %            Peak intensity 6.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17435_HEKLA-G2-C</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED CMT19xx            FWHM / FWTM 26.0° / 51.0°            Efficiency 87 %            Peak intensity 3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17438_HEKLA-G2-I</p>		

#### PHOTOMETRIC DATA (MEASURED):

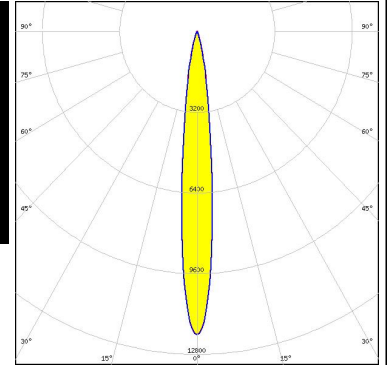
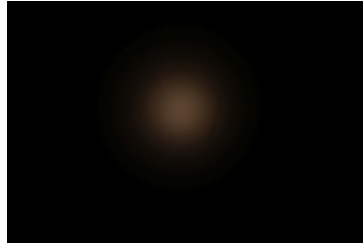
##### CREE LED

LED CMU10xx  
 FWHM / FWTM 18.0° / 37.0°  
 Efficiency 89 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



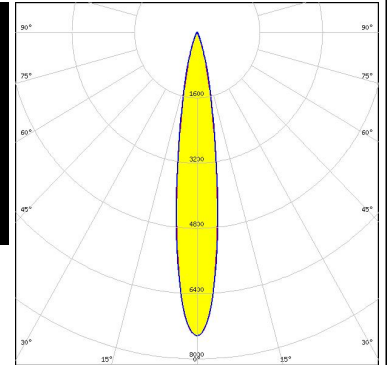
##### CREE LED

LED CXA/B 13xx  
 FWHM / FWTM 12.0° / 27.0°  
 Efficiency 92 %  
 Peak intensity 12 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17439\_HEKLA-G2-J



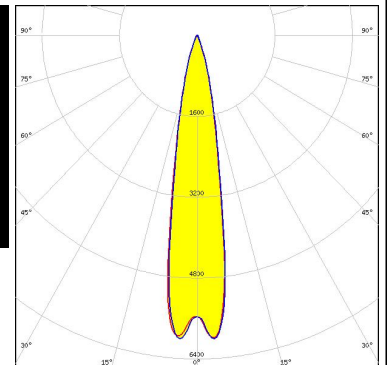
##### CREE LED

LED CXA/B 15xx  
 FWHM / FWTM 15.0° / 34.0°  
 Efficiency 90 %  
 Peak intensity 7.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17436\_HEKLA-G2-D




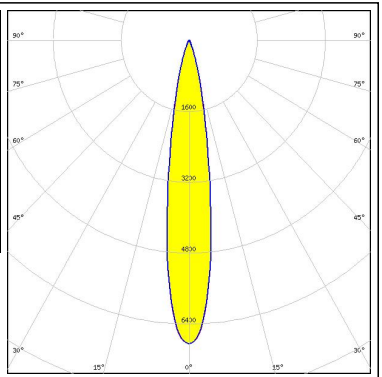

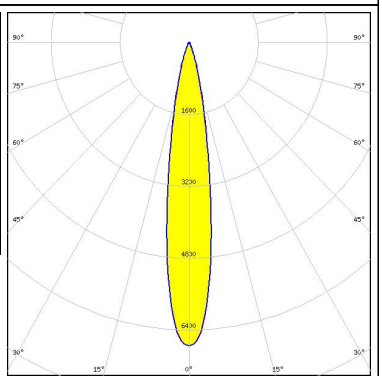

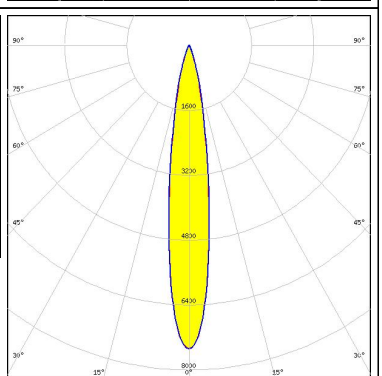

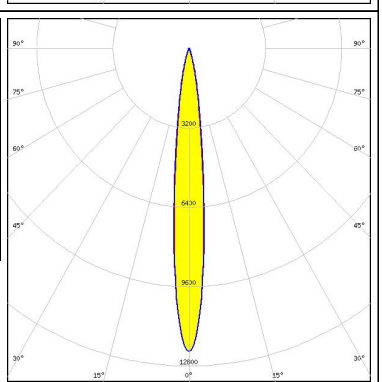
##### LEDIM

LED LEDIM/C6  
 FWHM / FWTM 19.0° / 37.0°  
 Efficiency 90 %  
 Peak intensity 6.2 cd/lm  
 LEDs/each optic 9  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I


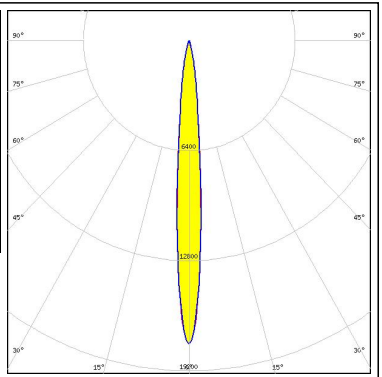

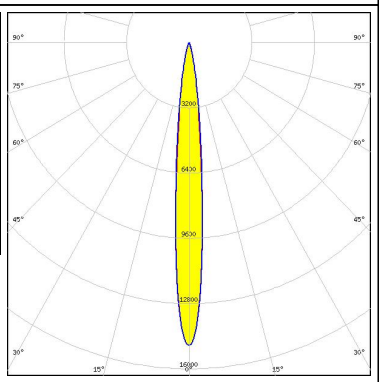

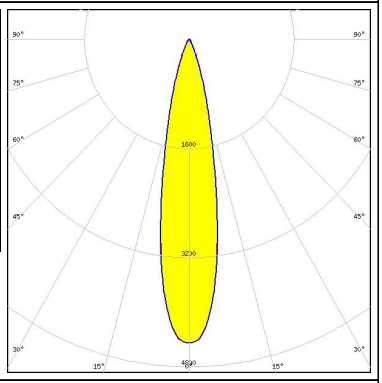

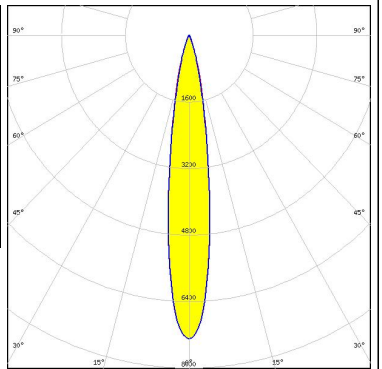




#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM / FWTM 17.0° / 35.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 6.9 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° / 35.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 6.8 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 90 %</p> <p>Peak intensity 7.5 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° / 27.0°</p> <p>Efficiency 91 %</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>		

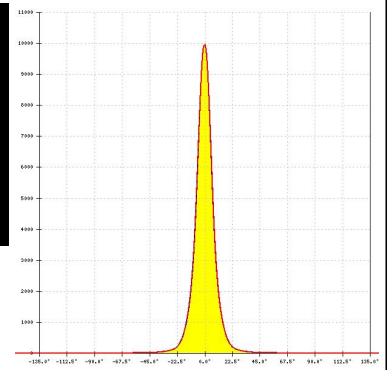
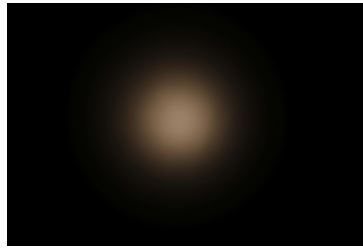
#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMINUS</b></p> <p>LED CXM-3            FWHM / FWTM 10.0° / 22.0°            Efficiency 91 %            Peak intensity 17.7 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 10.0° / 24.0°            Efficiency 91 %            Peak intensity 14.9 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 11)            FWHM / FWTM 22.0° / 43.0°            Efficiency 88 %            Peak intensity 4.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17437_HEKLA-G2-H</p>		
<p><b>NICHIA</b></p> <p>LED COB L-Type (LES 9)            FWHM / FWTM 16.0° / 34.0°            Efficiency 89 %            Peak intensity 7.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17437_HEKLA-G2-H</p>		

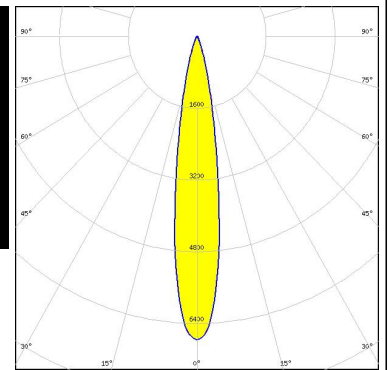
#### PHOTOMETRIC DATA (MEASURED):



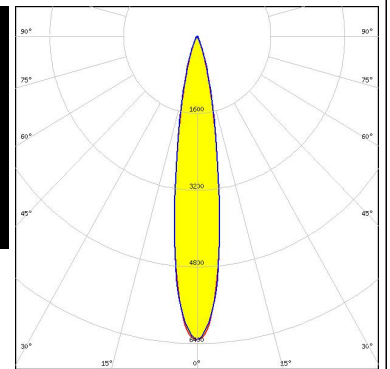
LED COB S-Type (LES 7)  
 FWHM / FWTM 13.0° / 29.0°  
 Efficiency 91 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17437\_HEKLA-G2-H



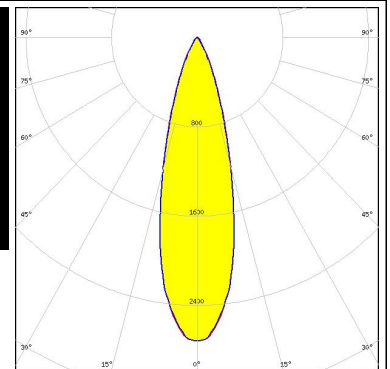
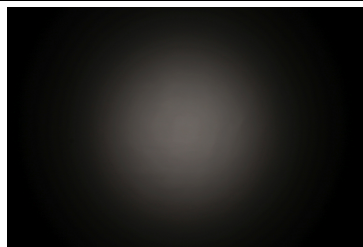
LED Fortimo SLM L09 CoB  
 FWHM / FWTM 17.0° / 35.0°  
 Efficiency 89 %  
 Peak intensity 6.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17437\_HEKLA-G2-H



LED LC003D / LC006D / LC009D / LC013D  
 FWHM / FWTM 17.0° / 36.0°  
 Efficiency 89 %  
 Peak intensity 6.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



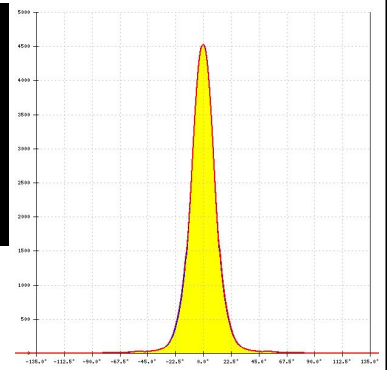
LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 28.0° / 55.0°  
 Efficiency 86 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



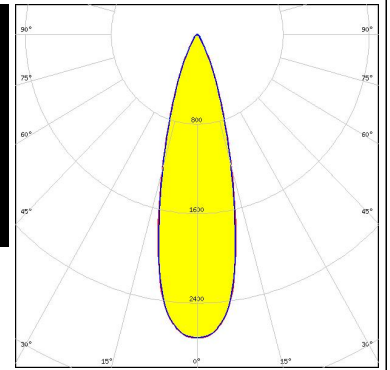
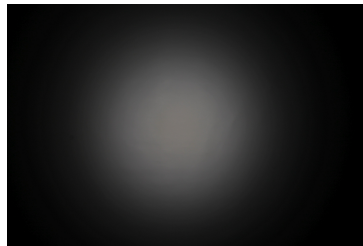
#### PHOTOMETRIC DATA (MEASURED):

### SAMSUNG

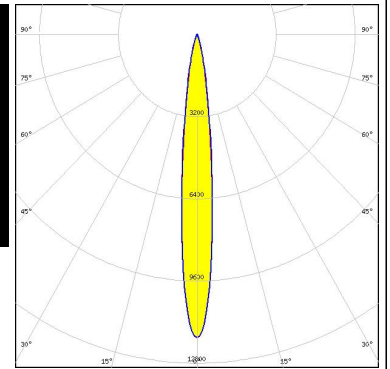
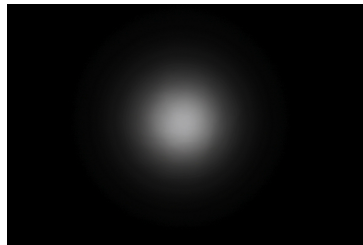
LED LC030C/040C G2  
 FWHM / FWTM 21.0° / 42.0°  
 Efficiency 88 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



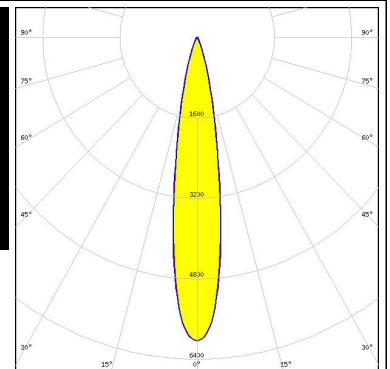
**SEOUL SEMICONDUCTOR**  
 LED MJT COB LES 14.5  
 FWHM / FWTM 28.0° / 53.0°  
 Efficiency 86 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



**SEOUL SEMICONDUCTOR**  
 LED MJT COB LES 6  
 FWHM / FWTM 12.0° / 27.0°  
 Efficiency 91 %  
 Peak intensity 11.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



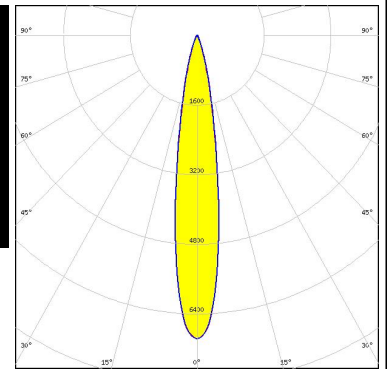
**SEOUL SEMICONDUCTOR**  
 LED MJT COB LES 9.8  
 FWHM / FWTM 18.0° / 37.0°  
 Efficiency 89 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



#### PHOTOMETRIC DATA (MEASURED):

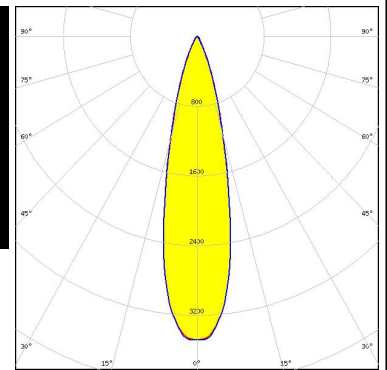
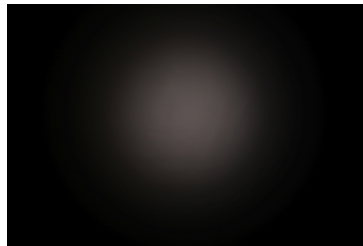
#### TRIDONIC

LED SLE G7 LES09  
 FWHM / FWTM 16.0° / 34.0°  
 Efficiency 89 %  
 Peak intensity 7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



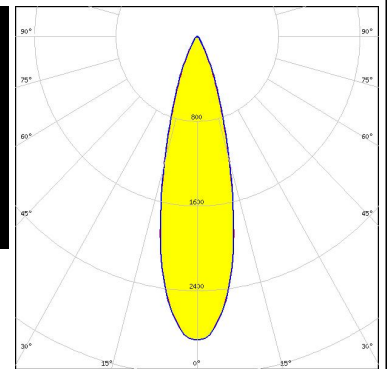
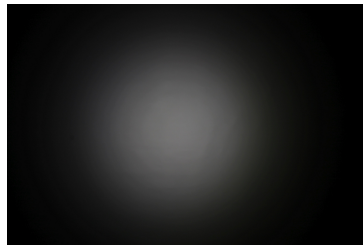
#### TRIDONIC

LED SLE G7 LES13  
 FWHM / FWTM 25.0° / 48.0°  
 Efficiency 87 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I


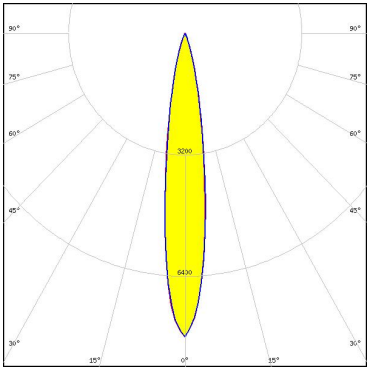

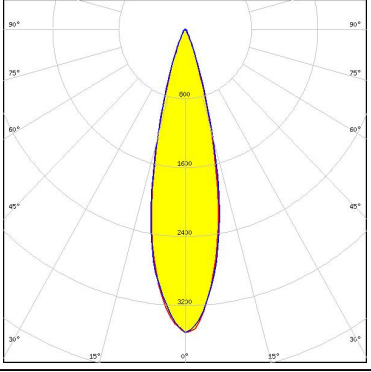

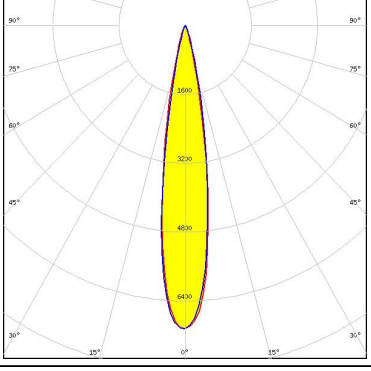
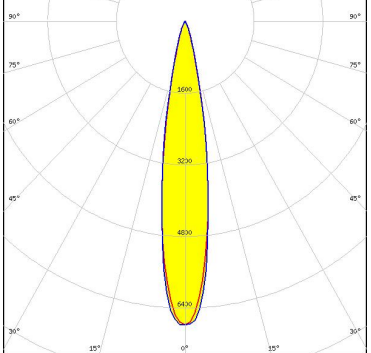


#### TRIDONIC

LED SLE G7 LES15  
 FWHM / FWTM 27.0° / 53.0°  
 Efficiency 86 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



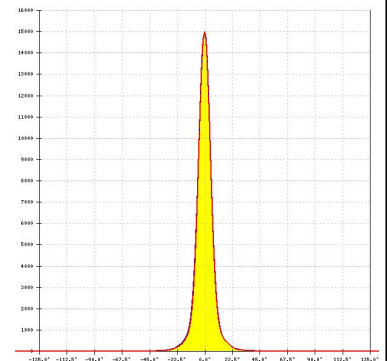
#### PHOTOMETRIC DATA (SIMULATED):

<p></p> <p>LED V8 Gen7            FWHM / FWTM 16.0° / 34.0°            Efficiency 89 %            Peak intensity 8 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15253_HEKLA-SOCKET-A</p>	
<p></p> <p>LED Vero SE 13            FWHM / FWTM 26.0° / 44.0°            Efficiency 81 %            Peak intensity 3.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K</p>	
<p></p> <p>LED Vesta TW 9mm (12W) CSP            FWHM / FWTM 18.1° / 32.2 + 31.2°            Efficiency 81 %            Peak intensity 7.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K</p>	
<p><b>CITIZEN</b></p> <p>LED CLL02x/CLU02x (LES10)            FWHM / FWTM 18.1° / 33.2 + 34.2°            Efficiency 87 %            Peak intensity 6.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15255_HEKLA-SOCKET-C</p>	

#### PHOTOMETRIC DATA (SIMULATED):

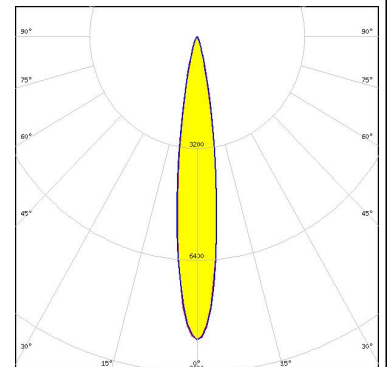
### CITIZEN

LED CLU700/701/702  
 FWHM / FWTM 11.3° / 22.1°  
 Efficiency 91 %  
 Peak intensity 15 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



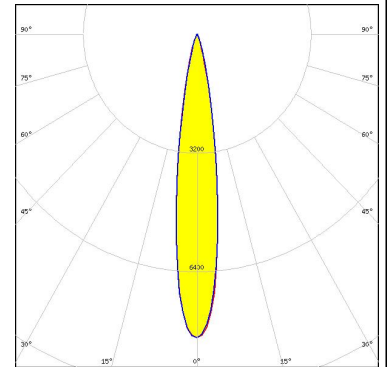
### CITIZEN

LED CLU710/711  
 FWHM / FWTM 16.1° / 30.2°  
 Efficiency 89 %  
 Peak intensity 8.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



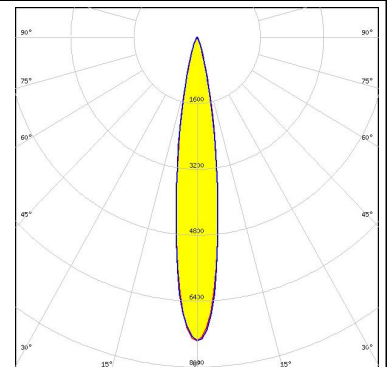
### LUMILEDS

LED LUXEON CoB 1202/1203  
 FWHM / FWTM 16.1° / 30.2°  
 Efficiency 88 %  
 Peak intensity 8.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 FWHM / FWTM 16.1° / 32.2°  
 Efficiency 87 %  
 Peak intensity 7.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



### 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.

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