

## AMY-70-RS-C

~13° spot beam with tight cutoff. Assembly with holder C compatible with LEDiL HEKLA. Black version.

### SPECIFICATION:

Dimensions	Ø 69.9 mm
Height	14.7 mm
ROHS compliant	yes ⓘ

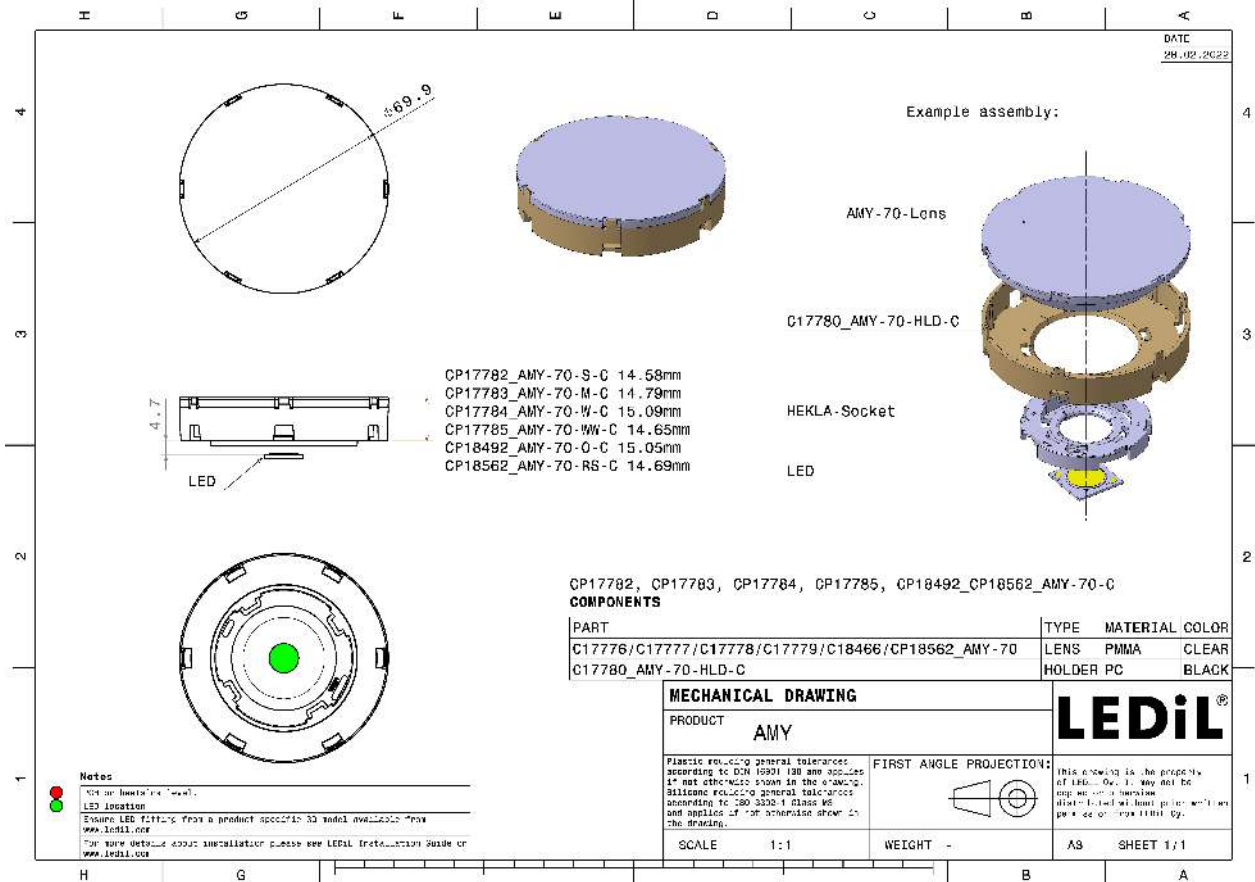
### MATERIALS:

Component	Type	Material	Colour	Finish
AMY-70-RS	Single lens	PMMA	clear	
AMY-70-HLD-C	Holder	PC	black	



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP18562_AMY-70-RS-C » Box size: 480 x 280 x 300 mm	210	210	15	9.2

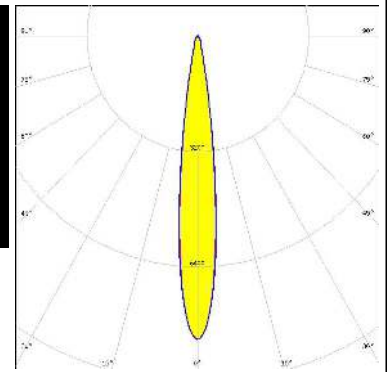


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

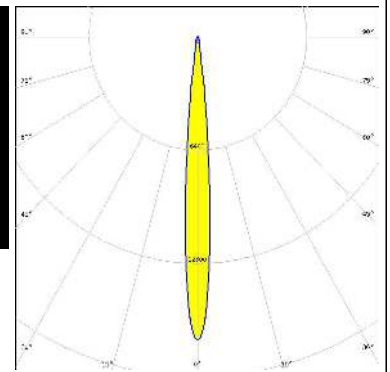
### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 14.0° / 26.0°  
Efficiency 88 %  
Peak intensity 8.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17435\_HEKLA-G2-C


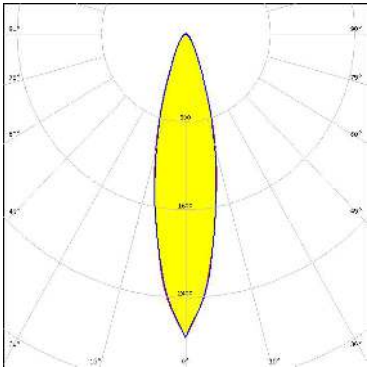

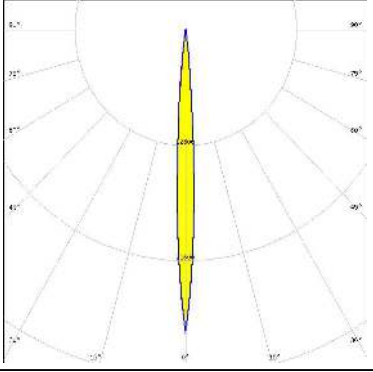

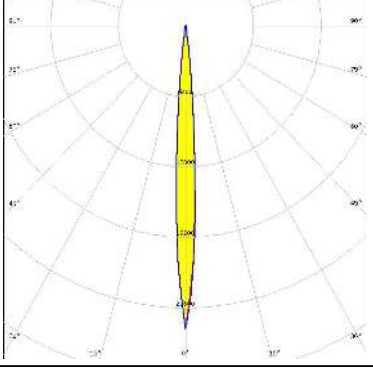

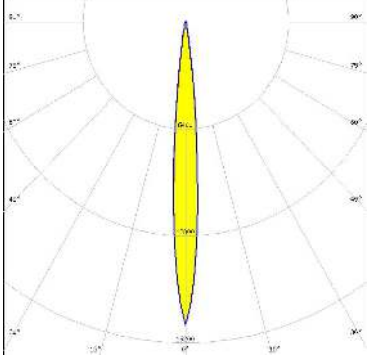


### CITIZEN


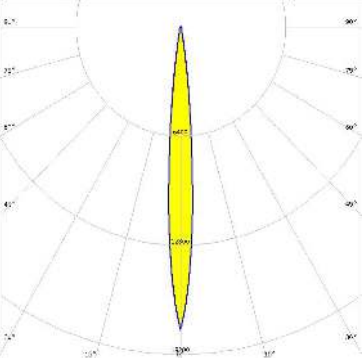

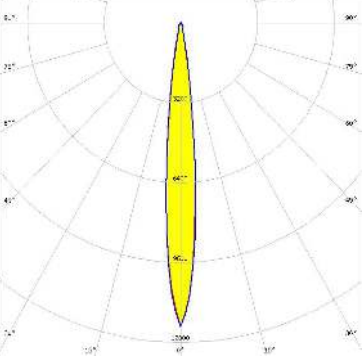

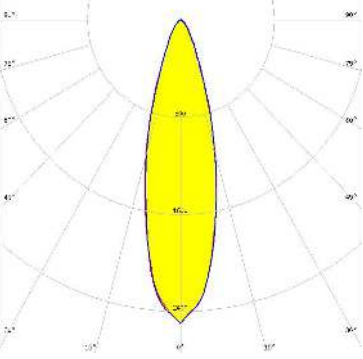

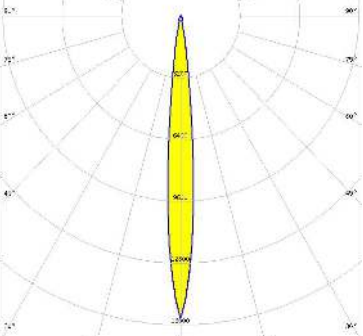
LED CLU700/701/702/703  
FWHM / FWTM 9.0° / 18.0°  
Efficiency 90 %  
Peak intensity 17.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17435\_HEKLA-G2-C




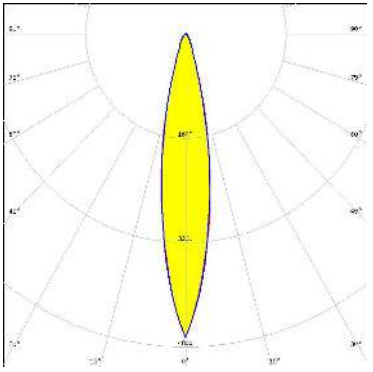

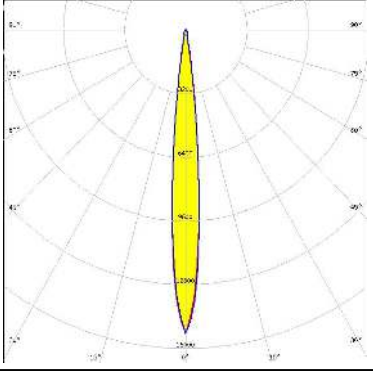

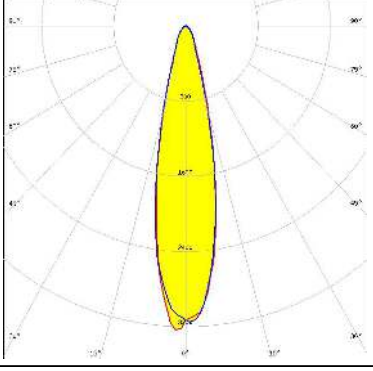

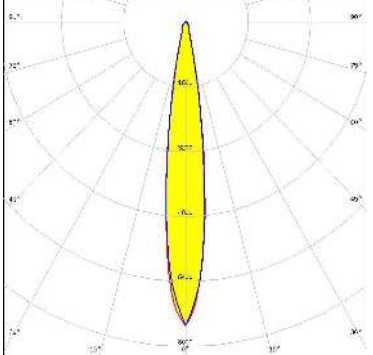
#### OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED V18 Gen 8            FWHM / FWTM 24.0° / 52.0°            Efficiency 82 %            Peak intensity 2.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 639b Hekla XL</p>	
<p></p> <p>LED V3 HD Gen 8            FWHM / FWTM 6.0° / 14.0°            Efficiency 93 %            Peak intensity 33.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15253_HEKLA-SOCKET-A</p>	
<p></p> <p>LED V4 HD Gen 8            FWHM / FWTM 8.0° / 14.0°            Efficiency 93 %            Peak intensity 27.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15253_HEKLA-SOCKET-A</p>	
<p></p> <p>LED V6 Gen 8            FWHM / FWTM 10.0° / 18.0°            Efficiency 92 %            Peak intensity 18.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15253_HEKLA-SOCKET-A</p>	

#### OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED V6 HD Gen 8</p> <p>FWHM / FWTM 10.0° / 18.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 17.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	
<p></p> <p>LED V9 HD Gen 8</p> <p>FWHM / FWTM 12.0° / 22.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 12.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>	
<p></p> <p>LED VERO18</p> <p>FWHM / FWTM 28.0° / 56.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 2.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>	
<p></p> <p>LED Vesta DTW 13mm (21W)</p> <p>FWHM / FWTM 10.0° / 20.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 15.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 632b Hekla XL</p>	

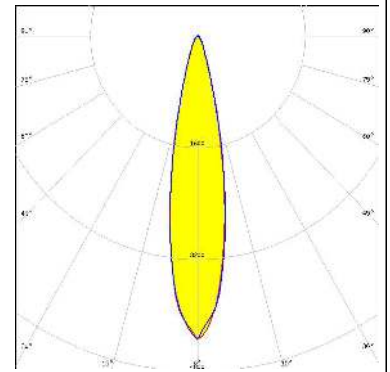
#### OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED Vesta DTW 15mm (33W)            FWHM / FWTM 20.0 + 19.0° / 40.0 + 39.0°            Efficiency 87 %            Peak intensity 4.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 632b Hekla XL</p>	
<p></p> <p>LED Vesta DTW 6mm            FWHM / FWTM 10.0° / 20.0°            Efficiency 91 %            Peak intensity 15.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 652b Hekla</p>	
<p></p> <p>LED Vesta TW 13mm (18W) DP            FWHM / FWTM 22.0 + 24.0° / 46.0 + 45.0°            Efficiency 85 %            Peak intensity 3.3 cd/lm            LEDs/each optic 1            Light colour Tunable White            Required components:            C16142_HEKLA-SOCKET-K            F18158_HEKLA-RZ-LENS            Bender Wirth: 492 Typ L8</p>	
<p></p> <p>LED Vesta TW 9mm (9W) DP            FWHM / FWTM 15.0 + 14.0° / 28.0 + 29.0°            Efficiency 92 %            Peak intensity 7.5 cd/lm            LEDs/each optic 1            Light colour Tunable White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 489 Typ L8</p>	

#### OPTICAL RESULTS (SIMULATED):

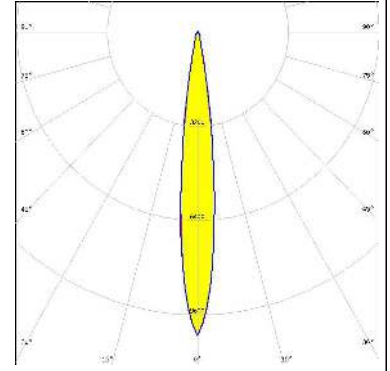
### CITIZEN

LED CLL03x/CLU03x  
 FWHM / FWTM 21.0° / 40.0°  
 Efficiency 86 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



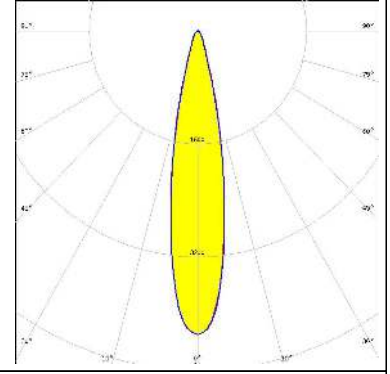
### CREE LED

LED CMA1516  
 FWHM / FWTM 13.0° / 25.0°  
 Efficiency 89 %  
 Peak intensity 10.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



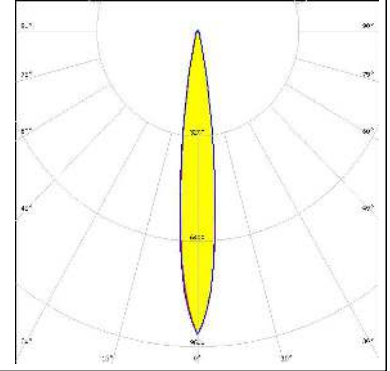
### CREE LED

LED CMA1840  
 FWHM / FWTM 20.0° / 39.0°  
 Efficiency 85 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 637a Hekla



### CREE LED

LED CMT14xx  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 87 %  
 Peak intensity 9.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C

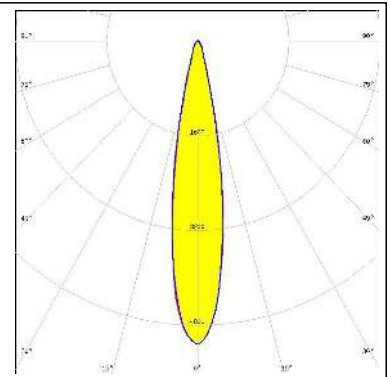
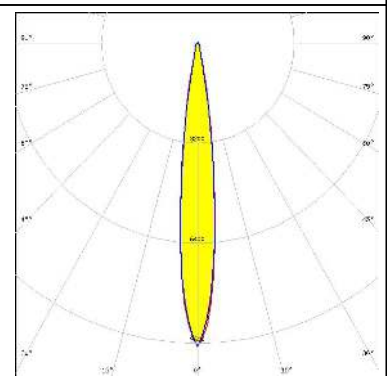
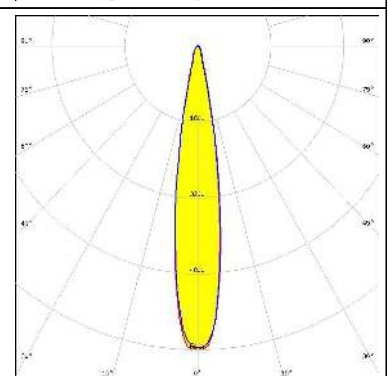
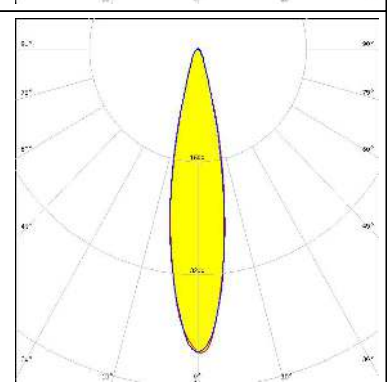


#### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED: CMU15xx            FWHM / FWTM: 20.0° / 40.0°            Efficiency: 85 %            Peak intensity: 4.4 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            Bender Wirth: 633a Hekla</p>	
<p><b>CREE</b> LED</p> <p>LED: CMU15xx            FWHM / FWTM: 20.0° / 38.0°            Efficiency: 85 %            Peak intensity: 4.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            F17438_HEKLA-G2-I</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON CoB 1202/1203            FWHM / FWTM: 12.0° / 24.0°            Efficiency: 90 %            Peak intensity: 10.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            F15858_HEKLA-SOCKET-H</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON CoB 1202HD            FWHM / FWTM: 10.0° / 20.0°            Efficiency: 92 %            Peak intensity: 16.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            F15848_HEKLA-SOCKET-G</p>	



#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1204/1205</p> <p>FWHM / FWTM 20.0° / 35.0 + 36.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 5.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 632a Hekla XL</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1204HD</p> <p>FWHM / FWTM 14.0° / 26.0 + 24.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 9.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1205HD</p> <p>FWHM / FWTM 17.0 + 18.0° / 30.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 6.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1208</p> <p>FWHM / FWTM 21.0° / 40.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 4.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 632a Hekla XL</p>	

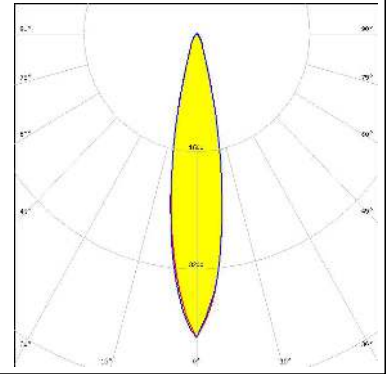
#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CX Plus CoB - HD S04H9</p> <p>FWHM / FWTM 14.0° / 26.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 9.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	
<p><b>LUMINUS</b></p> <p>LED CxM-14 (18.5x18.5)</p> <p>FWHM / FWTM 22.0° / 41.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17438_HEKLA-G2-I</p>	
<p><b>SAMSUNG</b></p> <p>LED LC003D / LC006D / LC009D / LC013D</p> <p>FWHM / FWTM 14.0° / 27.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 8.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>	
<p><b>SAMSUNG</b></p> <p>LED LC016D / LC019D / LC026D / LC033D</p> <p>FWHM / FWTM 20.0° / 40.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 4.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17438_HEKLA-G2-I</p>	

## OPTICAL RESULTS (SIMULATED):

### XICATO

LED	XOB 14.5 mm
FWHM / FWTM	20.0° / 38.0°
Efficiency	77 %
Peak intensity	4.1 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

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

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