

## CARMEN-M-C

~35° medium beam. Assembly with holder C compatible with LEDiL HEKLA.

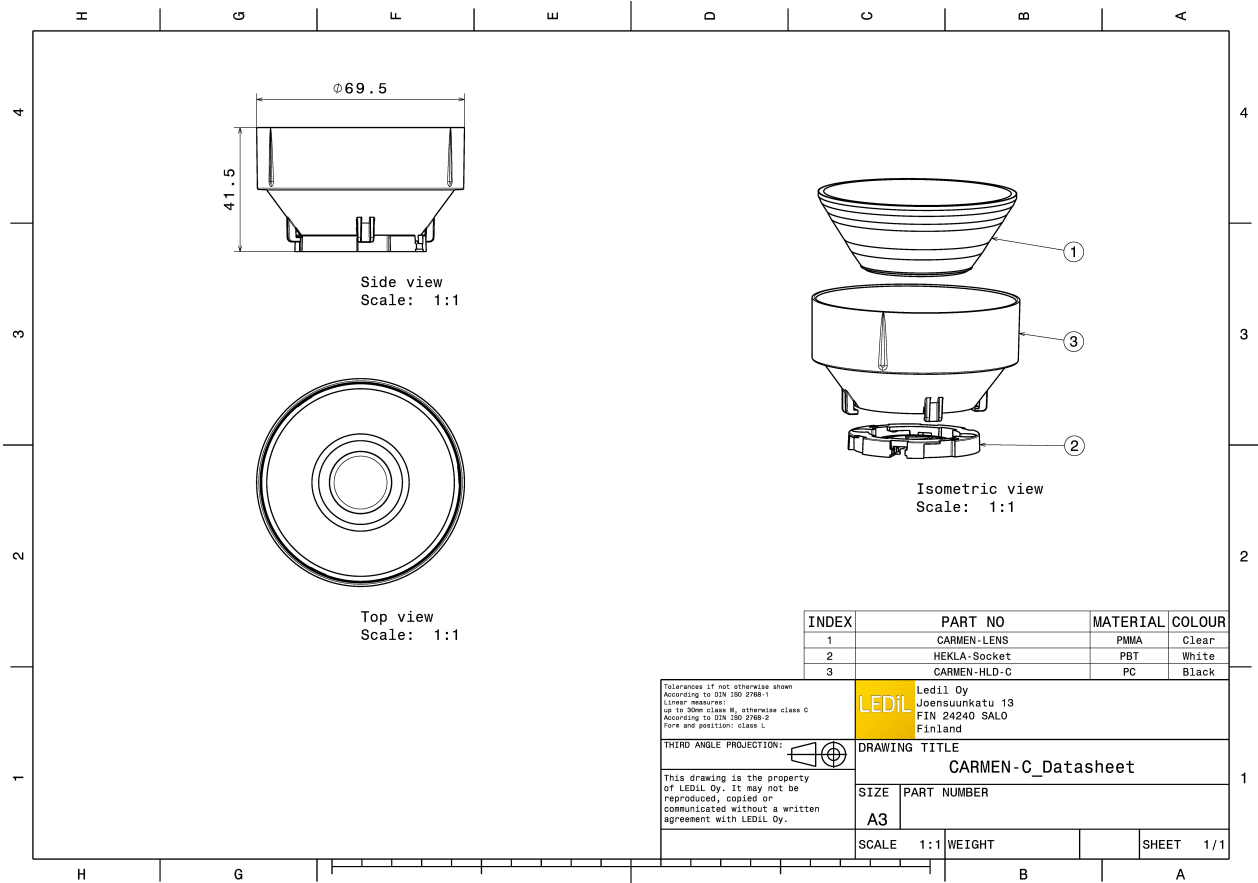
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.5 mm
Height	41.5 mm
Fastening	socket
Colour	black
Box size	476 x 273 x 292 mm
Box weight	4.6 kg
Quantity in Box	150 pcs
ROHS compliant	yes ⓘ

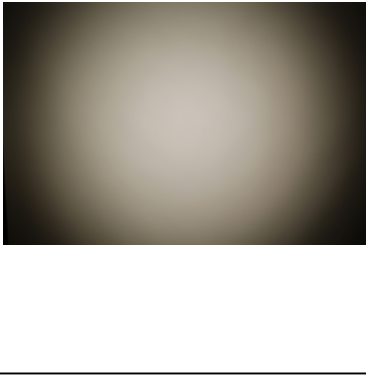
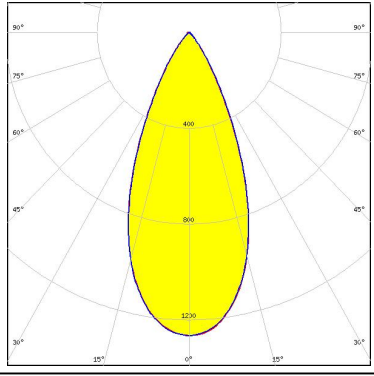
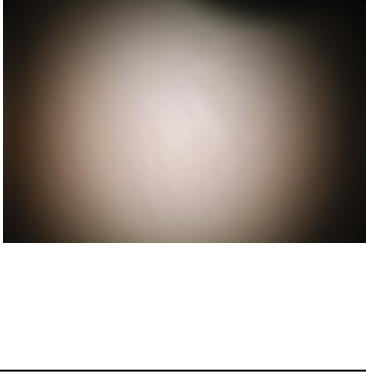
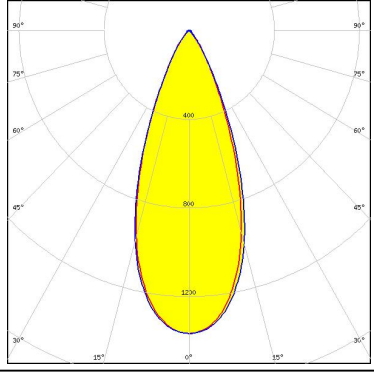

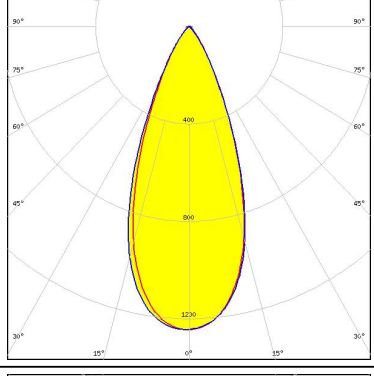
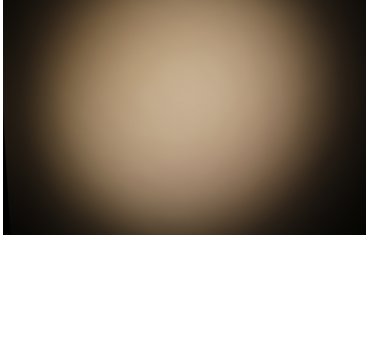
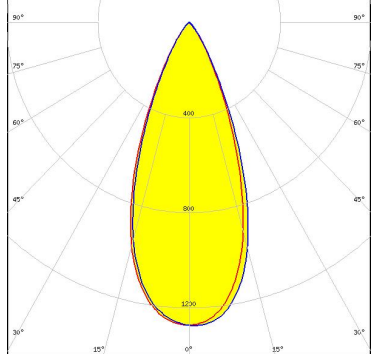


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
CARMEN-M	Lens	PMMA	clear
CARMEN-HLD-C	Holder	PC	black



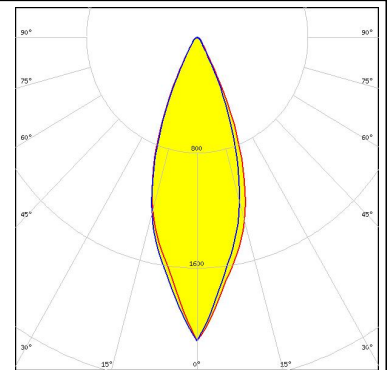
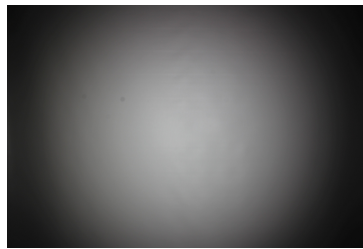
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 45.0°</p> <p>Efficiency 74 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>Required components: F15616_HEKLA-SOCKET-F</p>		
<p>bridgelux.</p> <p>LED Vesta DTW 9mm (6W/12W)</p> <p>FWHM 40.0°</p> <p>Efficiency 67 %</p> <p>Peak intensity 1.400 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>		
<p>bridgelux.</p> <p>LED Vesta TW 9mm (12W)</p> <p>FWHM 42.0°</p> <p>Efficiency 66 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		
<p><b>CITIZEN</b></p> <p>LED CLC020 Series (Dim-To-Warm)</p> <p>FWHM 42.0°</p> <p>Efficiency 66 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		

#### PHOTOMETRIC DATA (MEASURED):

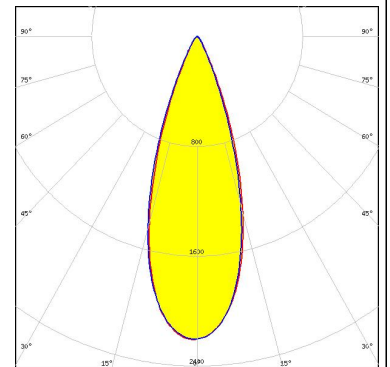
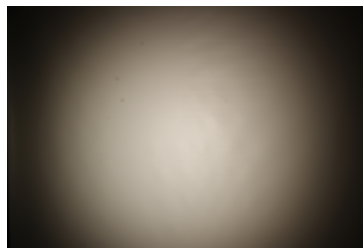
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM 45.0°  
 Efficiency 73 %  
 Peak intensity 1.200 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C



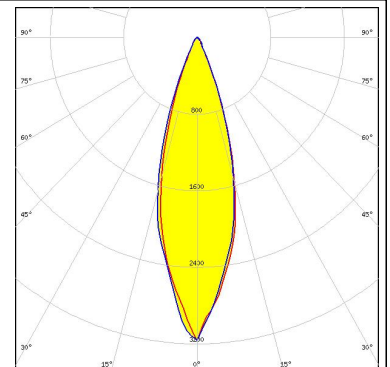
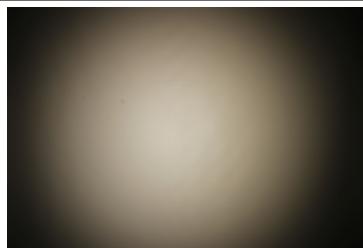
#### CITIZEN

LED CLU LES 4.2mm (HI-Ver.3)  
 FWHM 37.0°  
 Efficiency 78 %  
 Peak intensity 1.800 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C



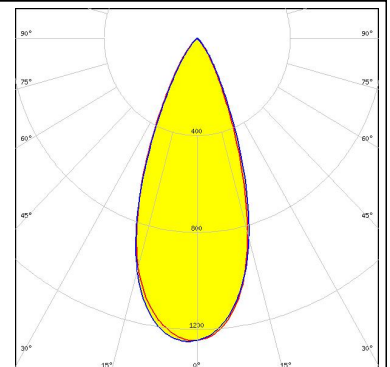
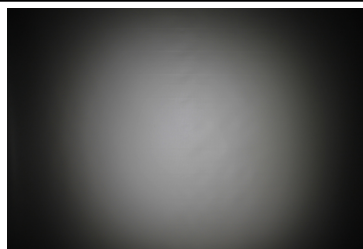
#### CITIZEN

LED CLU700/701  
 FWHM 37.0°  
 Efficiency 76 %  
 Peak intensity 1.700 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### CITIZEN

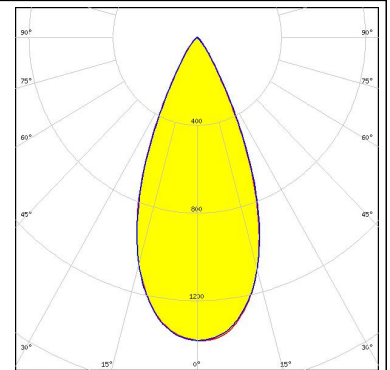
LED LCN-C01B (Tunable White)  
 FWHM 41.0°  
 Efficiency 66 %  
 Peak intensity 1.300 cd/lm  
 Required components:  
 C16142\_HEKLA-SOCKET-K



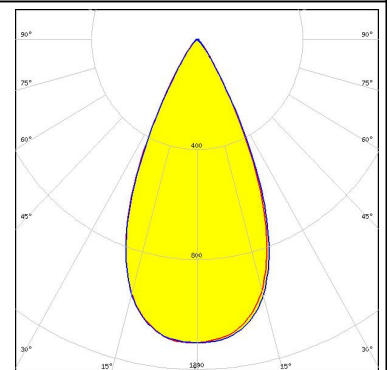
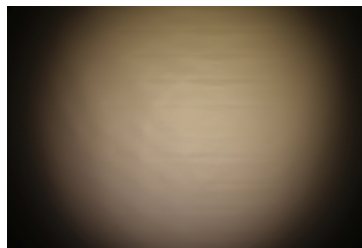
#### PHOTOMETRIC DATA (MEASURED):



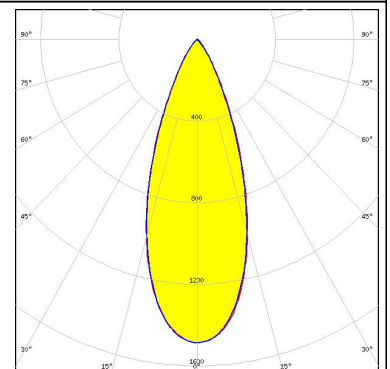
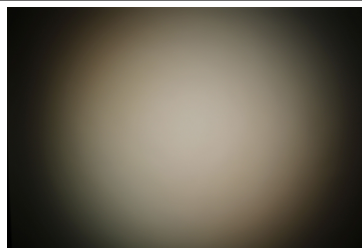
LED CMA1516  
 FWHM 45.0°  
 Efficiency 77 %  
 Peak intensity 1.400 cd/lm  
 Required components:  
 F15256\_HEKLA-SOCKET-D



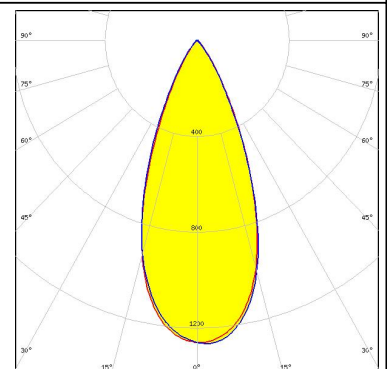
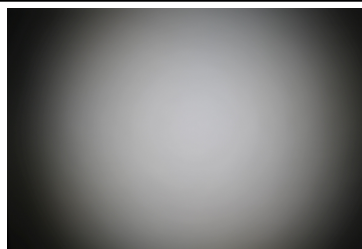
LED LUXEON CoB 1205HD  
 FWHM 49.0°  
 Efficiency 71 %  
 Peak intensity 1.100 cd/lm  
 Required components:  
 F15858\_HEKLA-SOCKET-H



LED CDM-6 (Dim-To-Warm)  
 FWHM 38.0°  
 Efficiency 70 %  
 Peak intensity 1.500 cd/lm  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 490 Typ L8



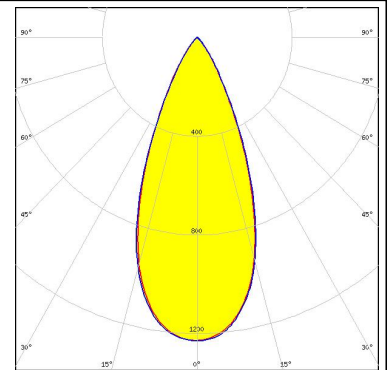
LED CDM-9 (Dim-To-Warm)  
 FWHM 43.0°  
 Efficiency 68 %  
 Peak intensity 1.300 cd/lm  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 490 Typ L8



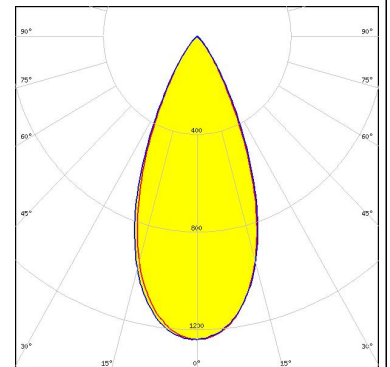
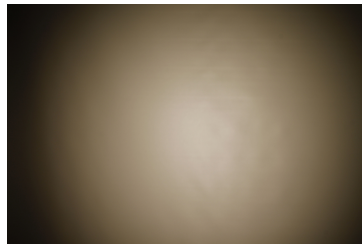
#### PHOTOMETRIC DATA (MEASURED):



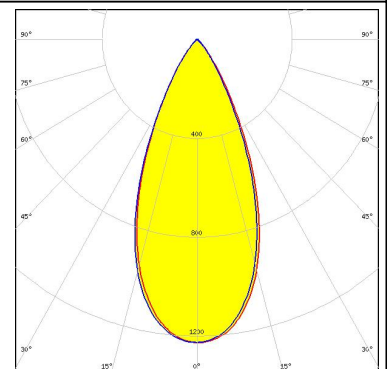
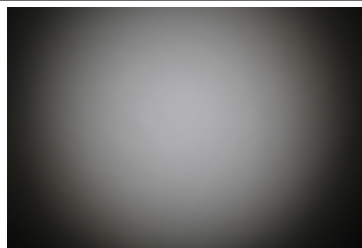
LED CTM-9 (Tunable White)  
 FWHM 43.0°  
 Efficiency 67 %  
 Peak intensity 1.200 cd/lm  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 495 Typ L8



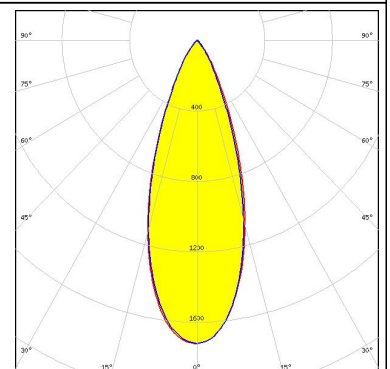
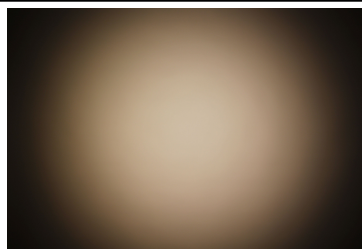
LED CXM-9  
 FWHM 44.0°  
 Efficiency 73 %  
 Peak intensity 1.200 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C





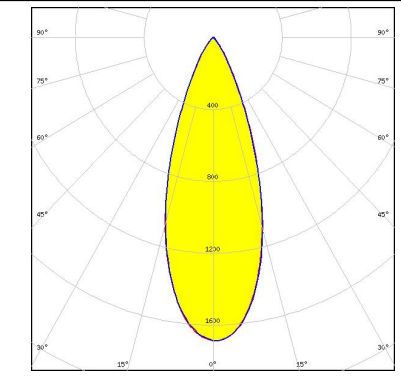

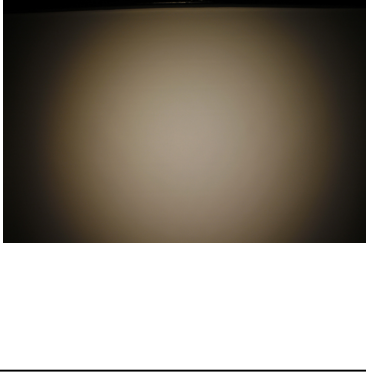
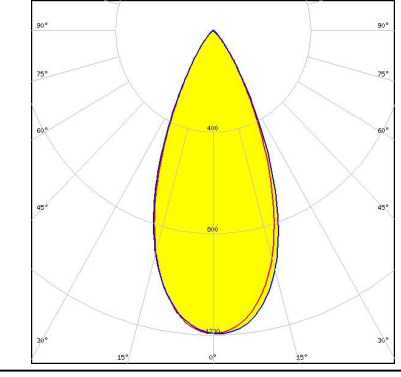
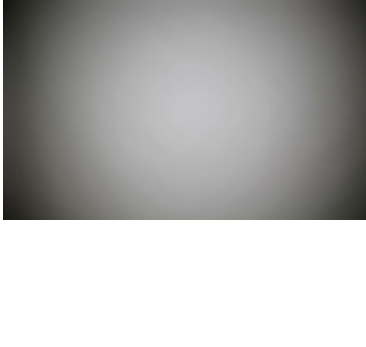
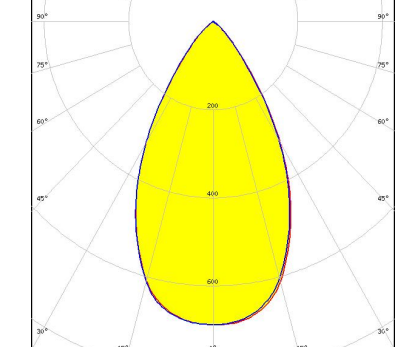
LED COB D Series LES 9.8 mm  
 FWHM 45.0°  
 Efficiency 74 %  
 Peak intensity 1.200 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C



LED LC010C G2  
 FWHM 37.0°  
 Efficiency 76 %  
 Peak intensity 1.700 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C



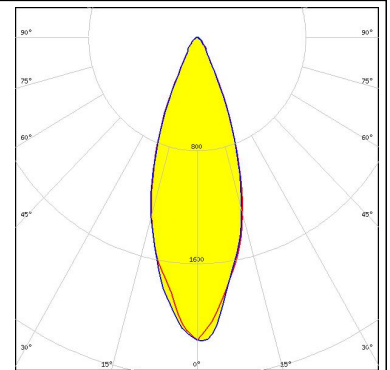
#### PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 6 FWHM 37.0° Efficiency 74 % Peak intensity 1.700 cd/lm Required components: F15255_HEKLA-SOCKET-C</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 9.8 FWHM 45.0° Efficiency 71 % Peak intensity 1.200 cd/lm Required components: F15255_HEKLA-SOCKET-C</p>		
<p><b>XICATO</b></p> <p>LED XTM - 19mm LES FWHM 58.0° Efficiency 61 % Peak intensity 0.690 cd/lm Required components: C16058_XTM-ADAPTER-50-C</p>		

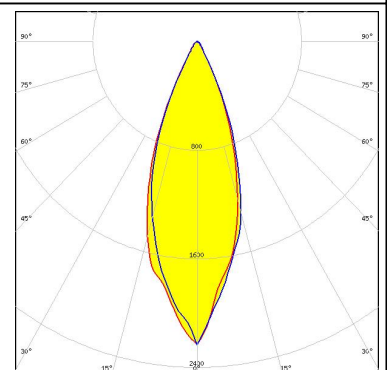
#### PHOTOMETRIC DATA (SIMULATED):



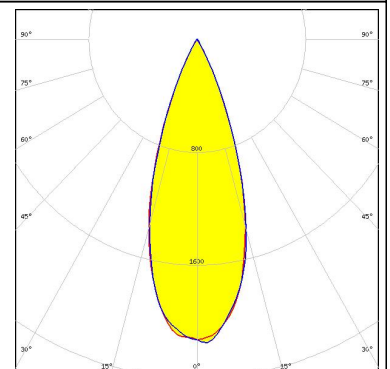
LED VERO10  
FWHM 36.6°  
Efficiency 0 %  
Peak intensity 2.150 cd/lm  
Required components:  
F15616\_HEKLA-SOCKET-F



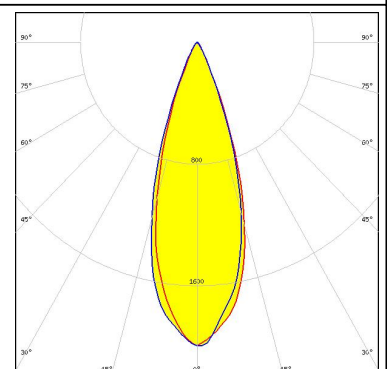
LED CXA/B 15xx  
FWHM 35.8°  
Efficiency 0 %  
Peak intensity 2.260 cd/lm  
Required components:  
F15256\_HEKLA-SOCKET-D



LED COB T-Type  
FWHM 36.0°  
Efficiency 78 %  
Peak intensity 2.180 cd/lm  
Required components:  
F15848\_HEKLA-SOCKET-G



LED SLE G6 LES10  
FWHM 34.0°  
Efficiency 68 %  
Peak intensity 2.000 cd/lm  
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.

### 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

#### Local sales and technical support

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

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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