

CARMEN-50-RS-C

~12° spot beam. Assembly with holder C compatible with LEDiL HEKLA.

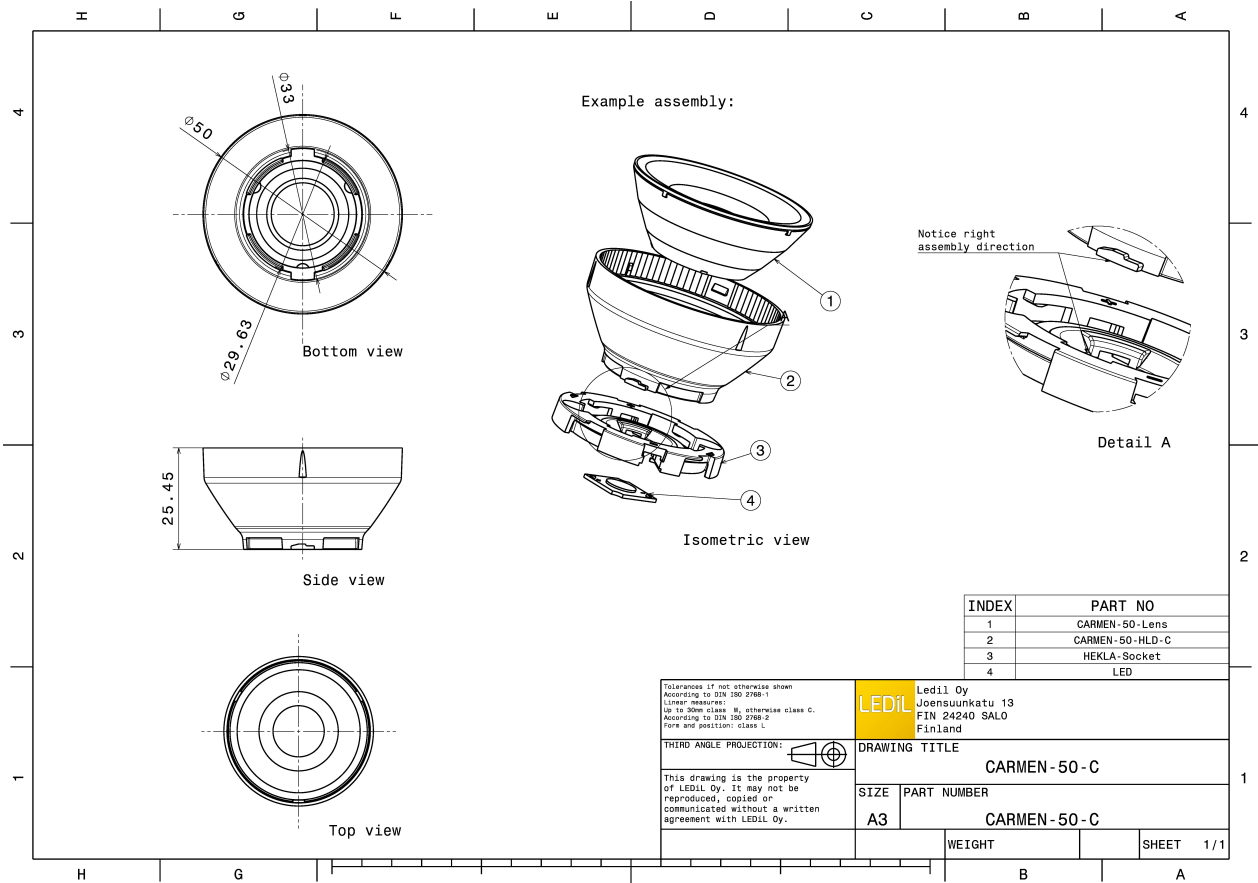
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50.0 mm
Height	25.5 mm
Fastening	socket
Colour	black
Box size	476 x 273 x 292 mm
Box weight	7.2 kg
Quantity in Box	308 pcs
ROHS compliant	yes ⓘ

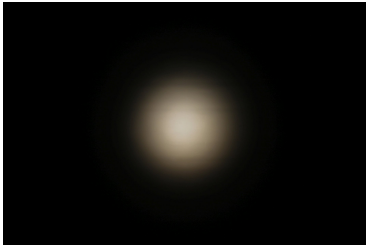
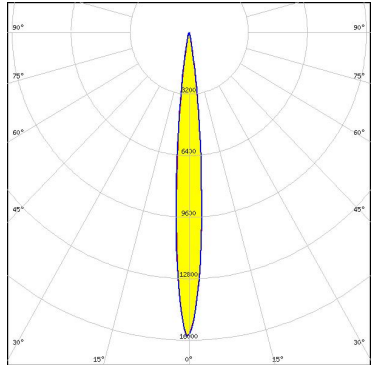
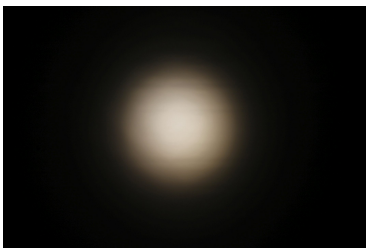
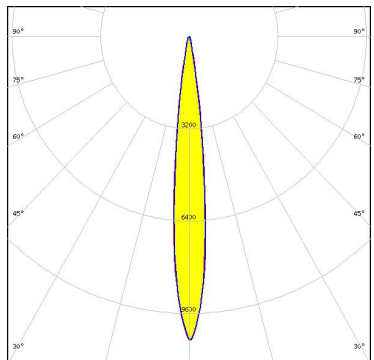
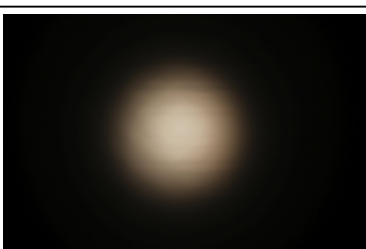
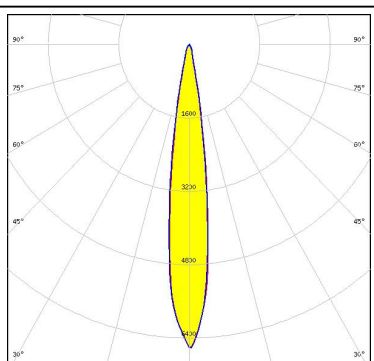

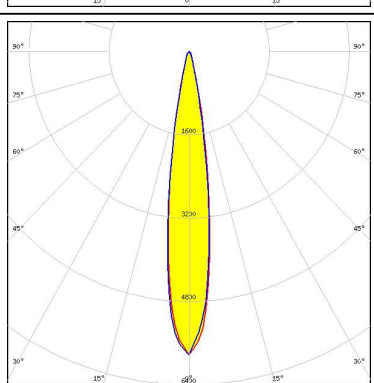


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
CARMEN-50-RS	Single lens	PMMA	clear
CARMEN-50-HLD-C	Holder	PC	black



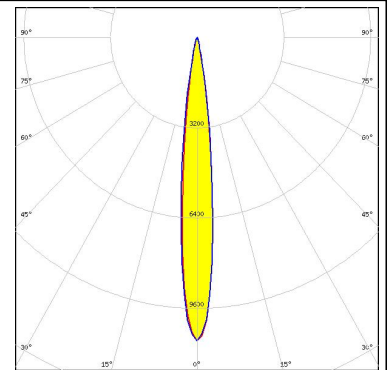
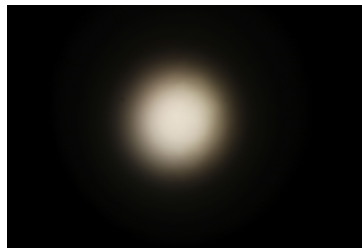
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V4 HD FWHM 10.0° Efficiency 71 % Peak intensity 16.000 cd/lm LEDs/each optic 1 Light colour White Required components: F15253_HEKLA-SOCKET-A</p>		
<p>bridgelux.</p> <p>LED V6 HD FWHM 12.0° Efficiency 68 % Peak intensity 10.600 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>		
<p>bridgelux.</p> <p>LED V9 HD FWHM 15.0° Efficiency 64 % Peak intensity 6.700 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I</p>		
<p>CITIZEN</p> <p>LED CLL02x/CLU02x (LES10) FWHM 16.0° Efficiency 63 % Peak intensity 5.600 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>		

PHOTOMETRIC DATA (MEASURED):

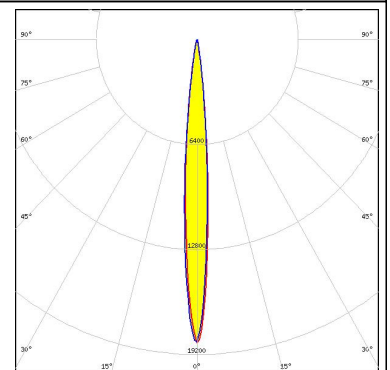
CITIZEN

LED CLU700/701
 FWHM 11.0°
 Efficiency 67 %
 Peak intensity 11.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



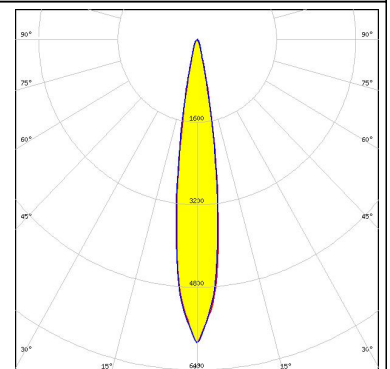
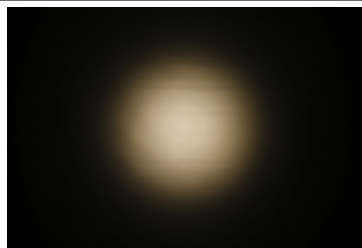
CITIZEN

LED CLU7A2 (LES 4.2mm)
 FWHM 9.0°
 Efficiency 72 %
 Peak intensity 18.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



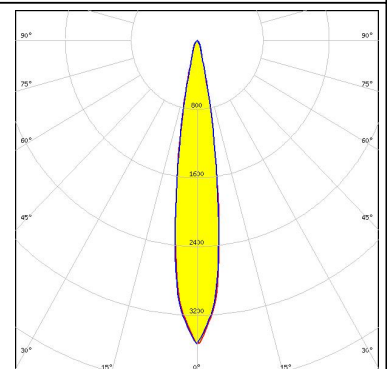
CREE

LED CMA1516
 FWHM 16.0°
 Efficiency 65 %
 Peak intensity 5.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



CREE

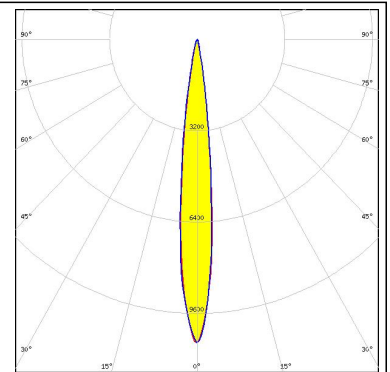
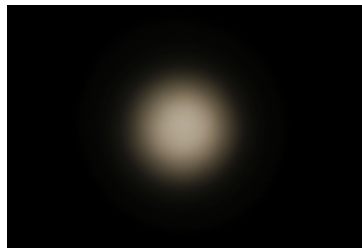
LED CMT14xx
 FWHM 16.0°
 Efficiency 42 %
 Peak intensity 3.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



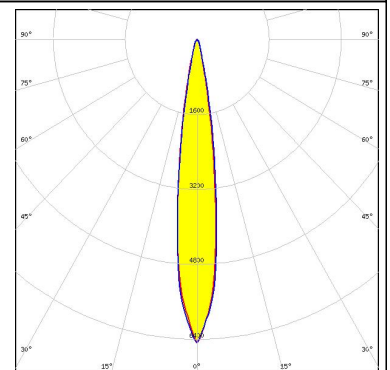
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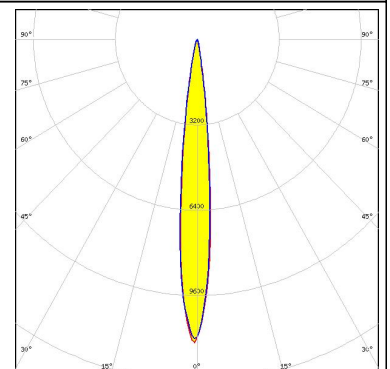
LED CXA/B 13xx
 FWHM 12.0°
 Efficiency 68 %
 Peak intensity 10.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15956_HEKLA-SOCKET-J



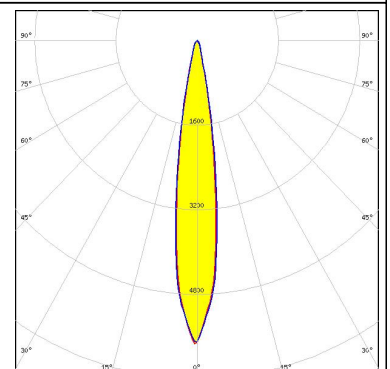
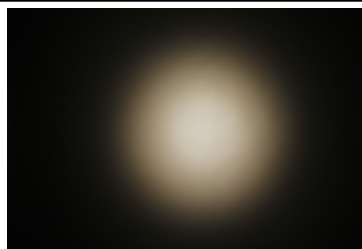
LED CXA/B 15xx
 FWHM 15.0°
 Efficiency 65 %
 Peak intensity 6.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



LED LUXEON CoB 1202s
 FWHM 12.0°
 Efficiency 69 %
 Peak intensity 11.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



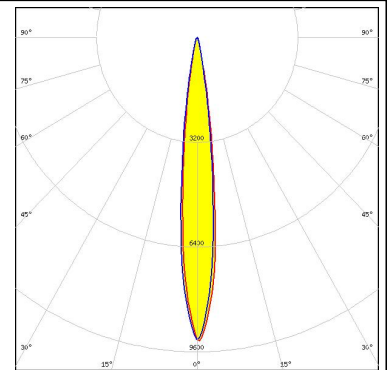
LED CXM-9
 FWHM 15.0°
 Efficiency 63 %
 Peak intensity 5.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



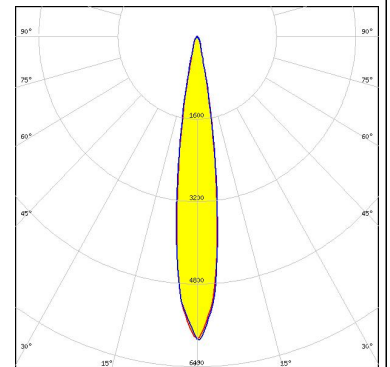
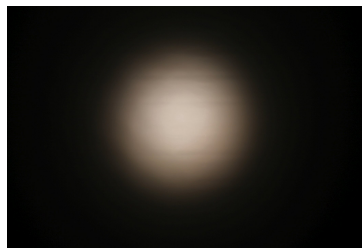
PHOTOMETRIC DATA (MEASURED):



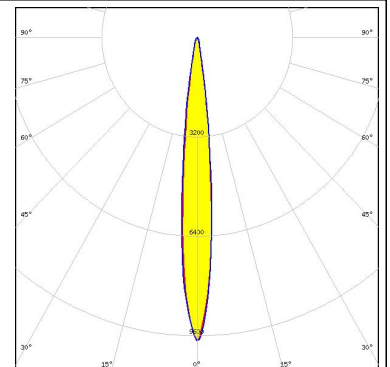
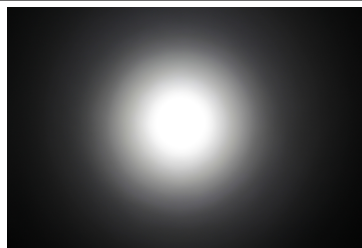
LED COB S-Type (LES 7)
 FWHM 13.0°
 Efficiency 67 %
 Peak intensity 9.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



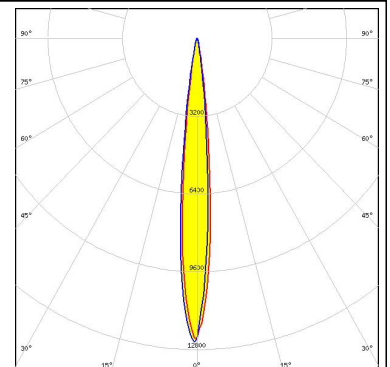
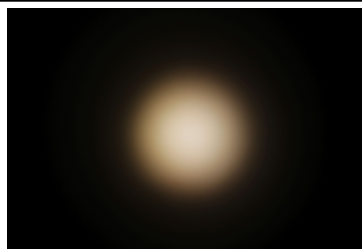
LED Fortimo SLM L09 CoB
 FWHM 15.0°
 Efficiency 64 %
 Peak intensity 6.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



LED LC010C
 FWHM 11.0°
 Efficiency 64 %
 Peak intensity 9.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



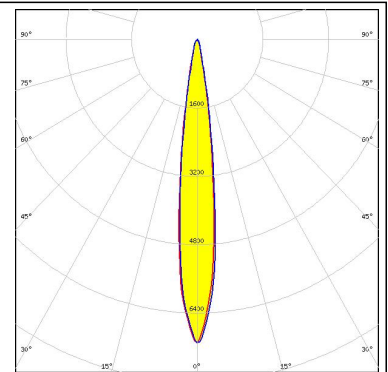
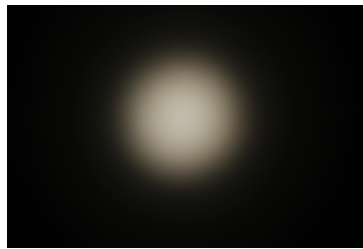
LED LC010C G2
 FWHM 11.0°
 Efficiency 67 %
 Peak intensity 12.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

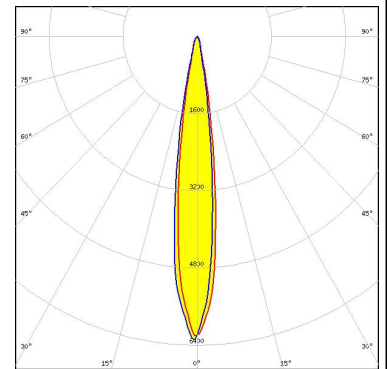
SAMSUNG

LED LC020C
 FWHM 13.0°
 Efficiency 64 %
 Peak intensity 7.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



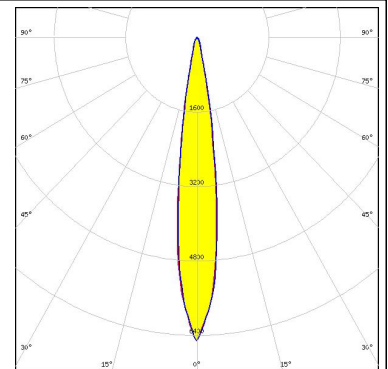
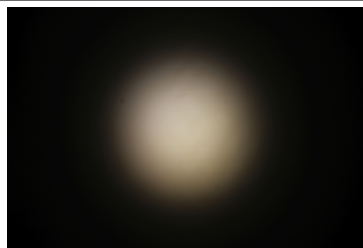
SAMSUNG

LED LC020C G2
 FWHM 15.0°
 Efficiency 63 %
 Peak intensity 6.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



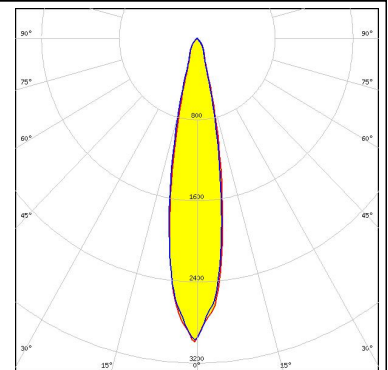
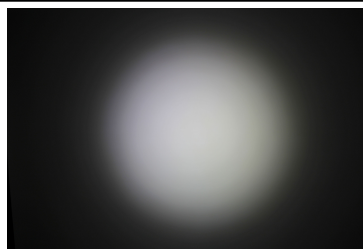
TRIDONIC

LED SLE G7 LES09
 FWHM 15.0°
 Efficiency 66 %
 Peak intensity 6.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



TRIDONIC

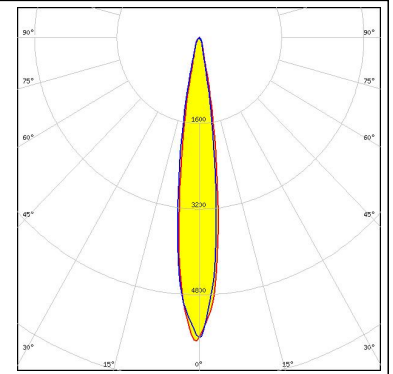
LED SLE G7 LES13
 FWHM 20.0°
 Efficiency 56 %
 Peak intensity 3.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H




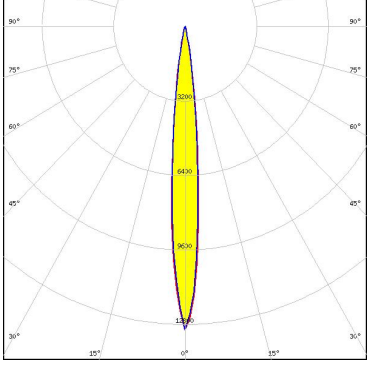

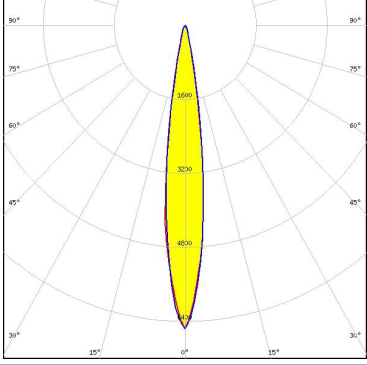

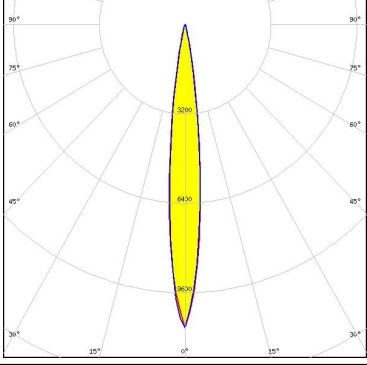

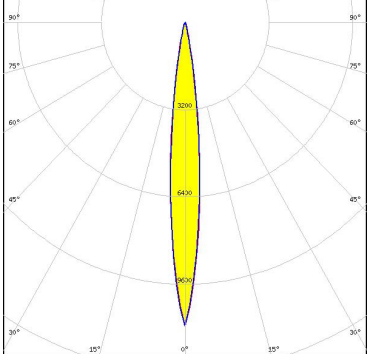
PHOTOMETRIC DATA (MEASURED):

XICATO

LED XTM - 9mm LES
FWHM 15.0°
Efficiency 60 %
Peak intensity 5.800 cd/m
LEDs/each optic 1
Light colour White
Required components:
C15743_XTM-ADAPTER-50-B



PHOTOMETRIC DATA (SIMULATED):

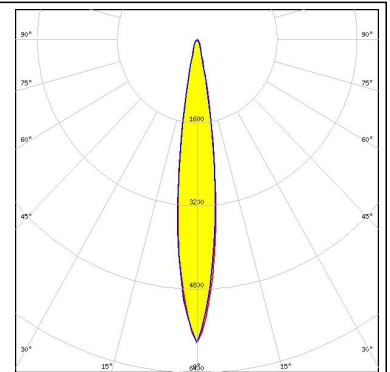
<p> bridgelux</p> <p>LED V6 Gen6 FWHM 10.0° Efficiency 66 % Peak intensity 13.000 cd/lm LEDs/each optic 1 Light colour White Required components: F15253_HEKLA-SOCKET-A</p>	
<p> bridgelux</p> <p>LED VERO10 FWHM 15.0° Efficiency 61 % Peak intensity 6.700 cd/lm LEDs/each optic 1 Light colour White Required components: F15616_HEKLA-SOCKET-F</p>	
<p> CREE</p> <p>LED CXA/B 13xx FWHM 12.0° Efficiency 69 % Peak intensity 11.000 cd/lm LEDs/each optic 1 Light colour White Required components: F15956_HEKLA-SOCKET-J</p>	
<p> LUMILEDS</p> <p>LED LUXEON CoB 1202s FWHM 12.0° Efficiency 69 % Peak intensity 11.000 cd/lm LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

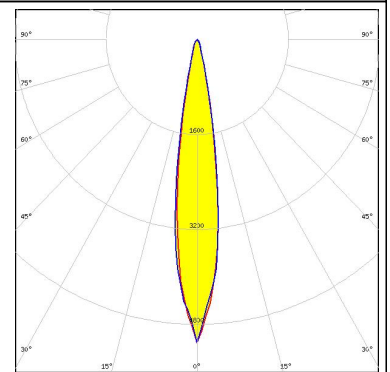
Opto Semiconductors

LED Soleriq S9
FWHM 15.0°
Efficiency 59 %
Peak intensity 5.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



TRIDONIC

LED SLE G5 LES11
FWHM 16.0°
Efficiency 57 %
Peak intensity 5.100 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.

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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