

WINNIE-S-C

~20° spot beam with holder C compatible with
LEDiL HEKLA

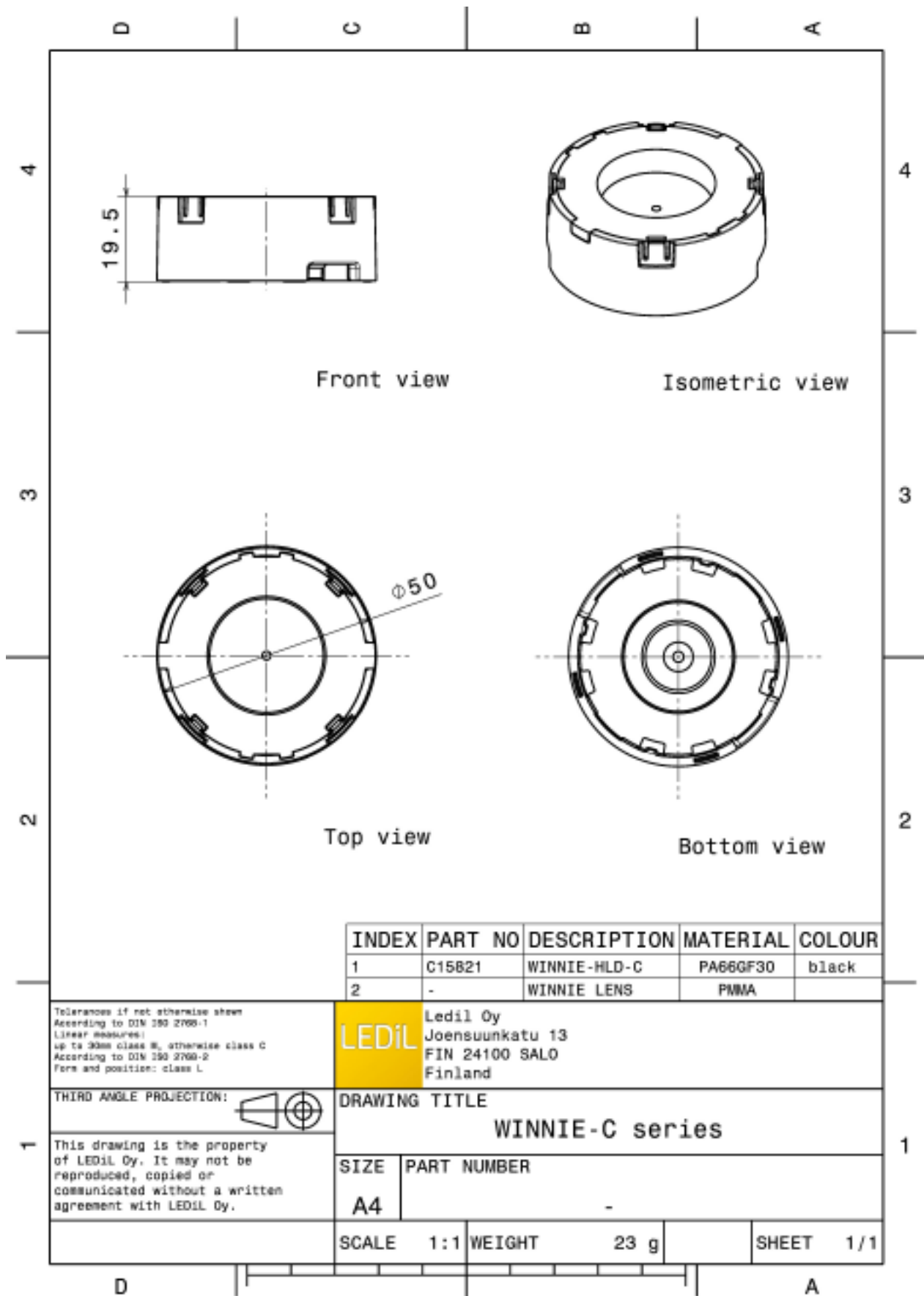
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50.0 mm
Height	19.5 mm
Fastening	socket
Colour	black
Box size	
Box weight	0 kg
Quantity in Box	364 pcs
ROHS compliant	yes 

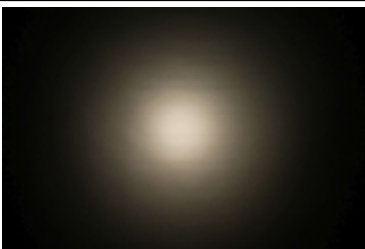
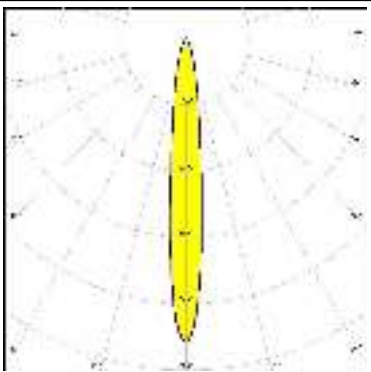
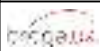
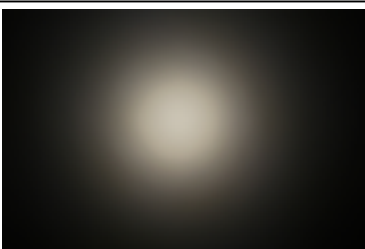
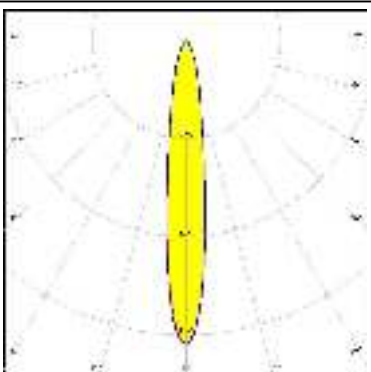
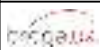
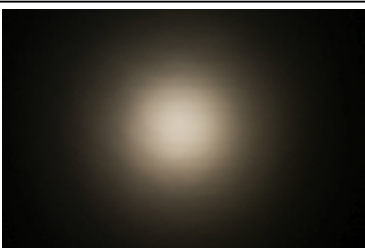
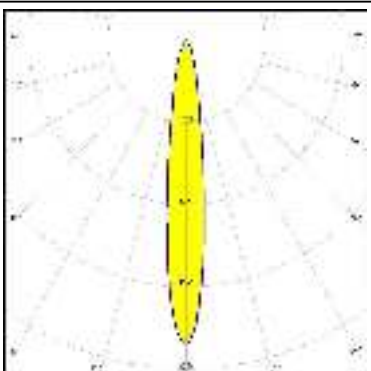
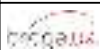
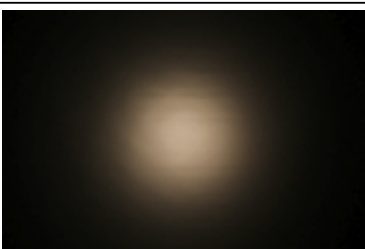
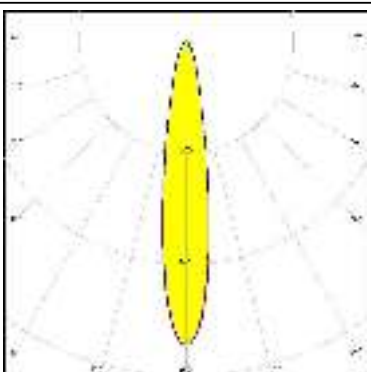


MATERIAL SPECIFICATIONS:

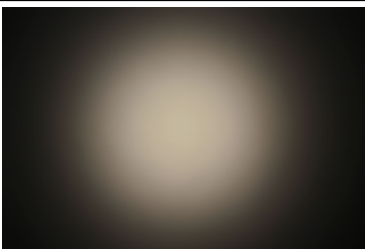
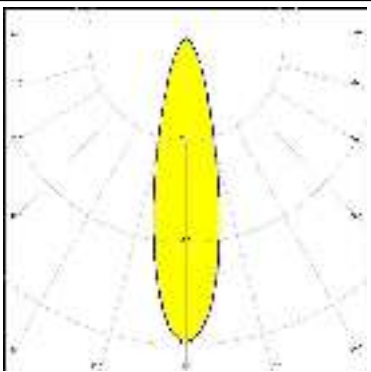
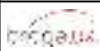
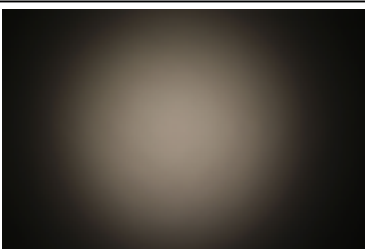
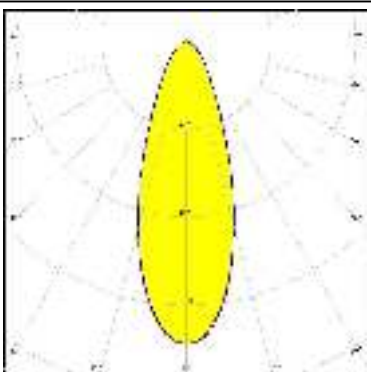
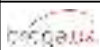
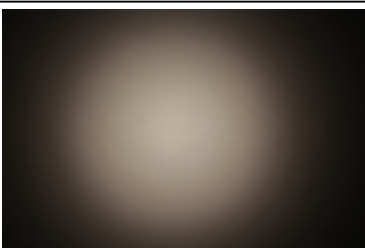
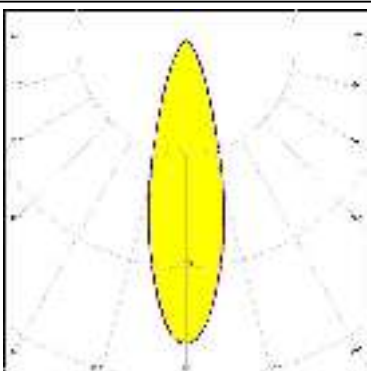
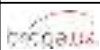
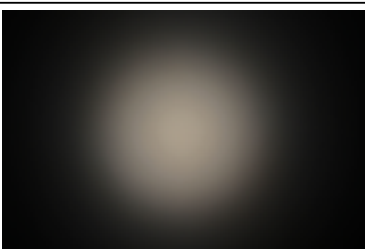
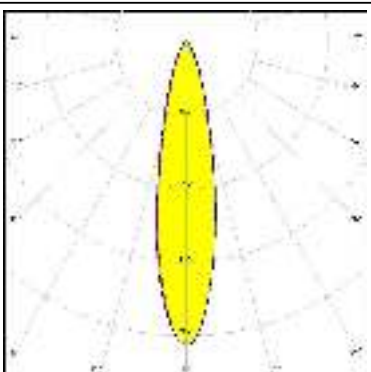
Component	Type	Material	Colour
WINNIE-S	Single lens	PMMA	clear
WINNIE-HLD-C	Holder	PC	black



PHOTOMETRIC DATA (MEASURED):

	LED V4 HD FWHM 13.0° Efficiency 87 % Peak intensity 7.300 cd/lm Required components: F15253_HEKLA-SOCKET-A		
	LED V6 Gen6 FWHM 15.0° Efficiency 84 % Peak intensity 5.000 cd/lm Required components: F15253_HEKLA-SOCKET-A		
	LED V6 HD FWHM 15.0° Efficiency 87 % Peak intensity 5.900 cd/lm Required components: F15255_HEKLA-SOCKET-C		
	LED V9 HD FWHM 18.0° Efficiency 86 % Peak intensity 4.400 cd/lm Required components: F15859_HEKLA-SOCKET-I		

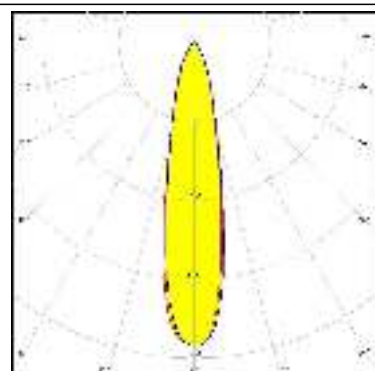
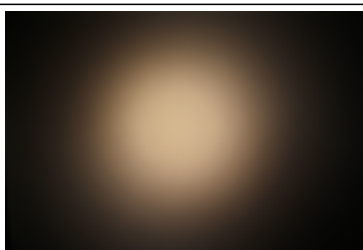
PHOTOMETRIC DATA (MEASURED):

	LED VERO13 FWHM 26.0° Efficiency 83 % Peak intensity 2.400 cd/lm Required components: C16142_HEKLA-SOCKET-K		
	LED VERO18 FWHM 37.0° Efficiency 81 % Peak intensity 1.400 cd/lm Required components: C16142_HEKLA-SOCKET-K		
	LED Vesta TW 13mm (25W) FWHM 29.0° Efficiency 82 % Peak intensity 2.100 cd/lm Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 492 Typ L8		
	LED Vesta TW 9mm (12W) FWHM 23.0° Efficiency 84 % Peak intensity 3.300 cd/lm Required components: C16142_HEKLA-SOCKET-K		

PHOTOMETRIC DATA (MEASURED):

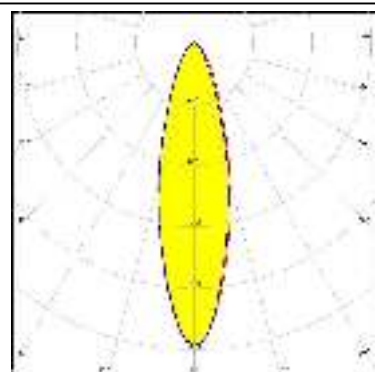
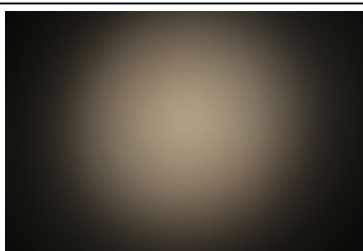
CITIZEN

LED CLC020 Series (Dim-To-Warm)
FWHM 22.0°
Efficiency 83 %
Peak intensity 3.100 cd/lm
Required components:
C16142_HEKLA-SOCKET-K



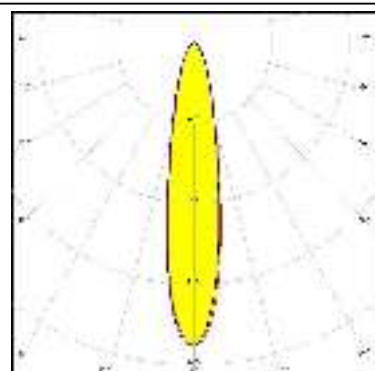
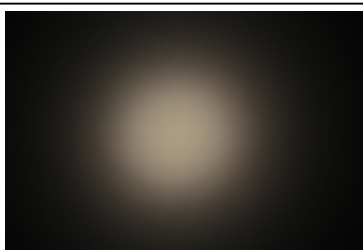
CITIZEN

LED CLC030 Series (Dim-To-Warm)
FWHM 29.0°
Efficiency 80 %
Peak intensity 2.000 cd/lm
Required components:
C16142_HEKLA-SOCKET-K



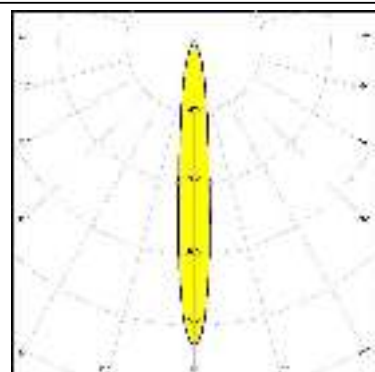
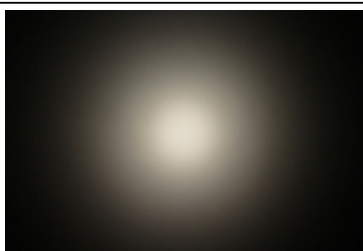
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 20.0°
Efficiency 81 %
Peak intensity 3.000 cd/lm
Required components:
F15255_HEKLA-SOCKET-C



CITIZEN

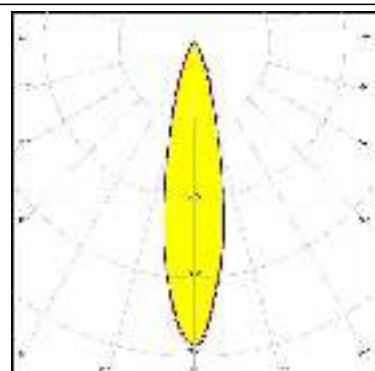
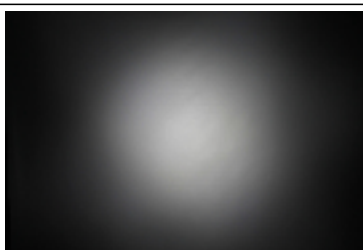
LED CLU LES 4.2mm (HI-Ver.3)
FWHM 13.0°
Efficiency 85 %
Peak intensity 6.800 cd/lm
Required components:
F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

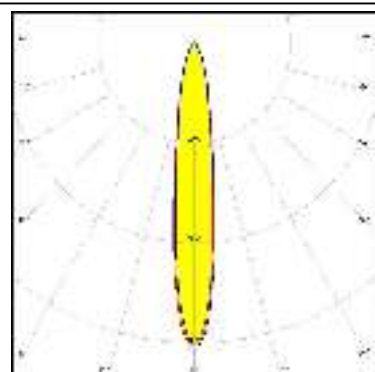
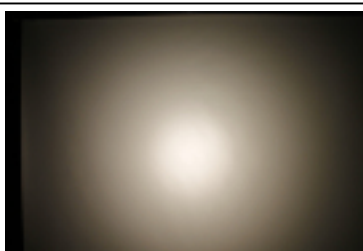
CITIZEN

LED LCN-C01B (Tunable White)
 FWHM 23.0°
 Efficiency 83 %
 Peak intensity 3.100 cd/lm
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 481 Typ L8



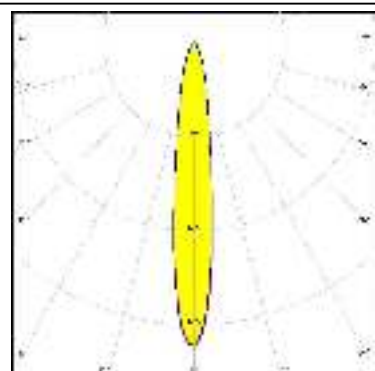
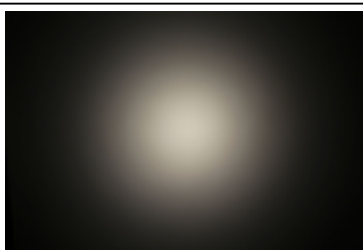
CREE

LED CXA/B 13xx
 FWHM 15.0°
 Efficiency 85 %
 Peak intensity 4.900 cd/lm
 Required components:
 F15956_HEKLA-SOCKET-J



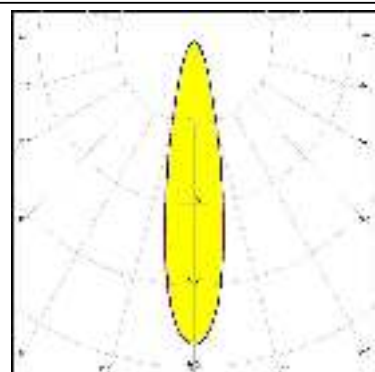
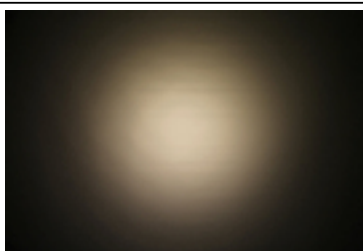
LUMILEDS

LED LUXEON CoB 1202s
 FWHM 15.0°
 Efficiency 85 %
 Peak intensity 5.200 cd/lm
 Required components:
 F15848_HEKLA-SOCKET-G



LUMILEDS

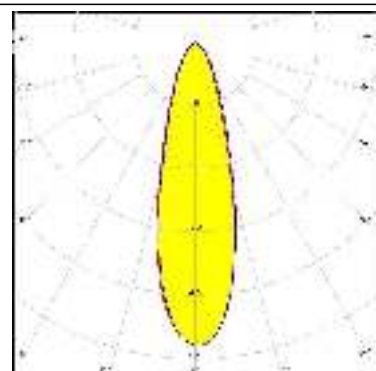
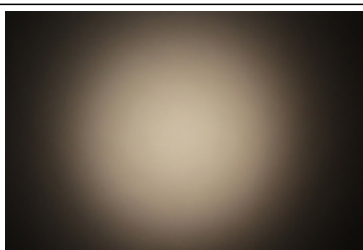
LED LUXEON CoB 1205HD
 FWHM 22.0°
 Efficiency 85 %
 Peak intensity 3.000 cd/lm
 Required components:
 F15858_HEKLA-SOCKET-H



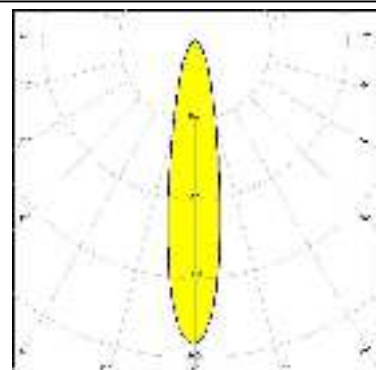
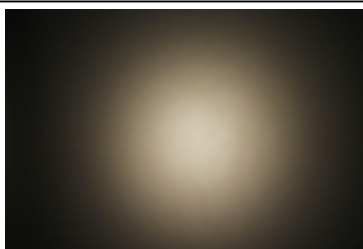
PHOTOMETRIC DATA (MEASURED):



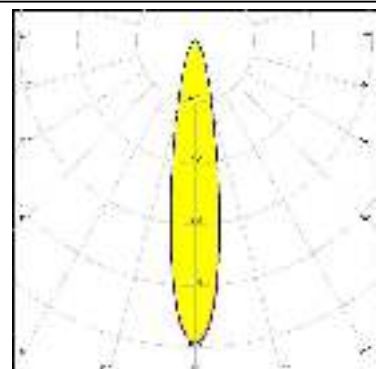
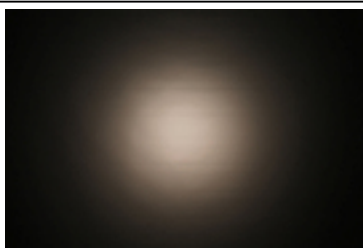
LED CXM-14
FWHM 29.0°
Efficiency 83 %
Peak intensity 1.900 cd/lm
Required components:
F15859_HEKLA-SOCKET-I



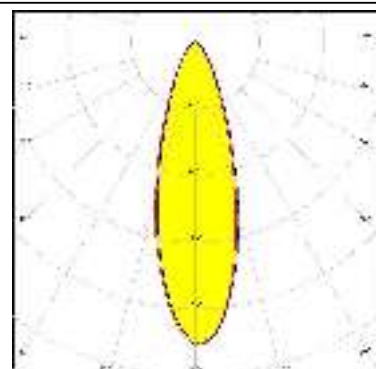
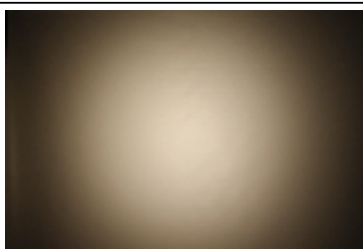
LED CXM-9
FWHM 20.0°
Efficiency 83 %
Peak intensity 3.100 cd/lm
Required components:
F15255_HEKLA-SOCKET-C



LED Fortimo SLM L09 CoB
FWHM 19.0°
Efficiency 87 %
Peak intensity 4.000 cd/lm
Required components:
F15858_HEKLA-SOCKET-H



LED COB D Series LES 14.5 mm
FWHM 32.0°
Efficiency 81 %
Peak intensity 1.800 cd/lm
Required components:
F15859_HEKLA-SOCKET-I



PHOTOMETRIC DATA (MEASURED):

SAMSUNG

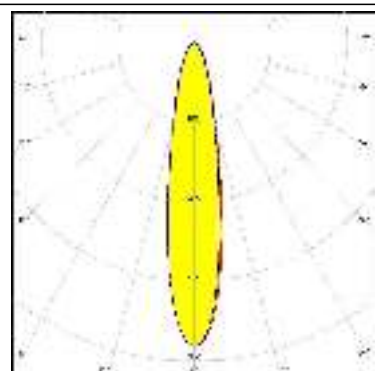
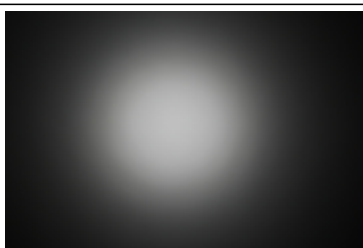
LED COB D Series LES 9.8 mm

FWHM 21.0°

Efficiency 83 %

Peak intensity 3.100 cd/lm

Required components:



SAMSUNG

LED LC010C

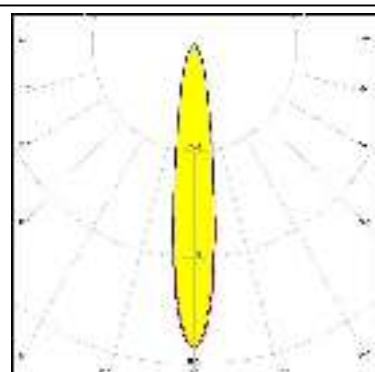
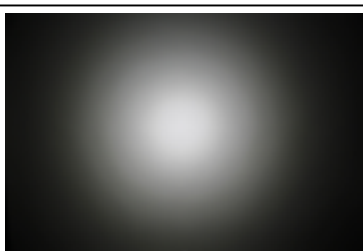
FWHM 16.0°

Efficiency 84 %

Peak intensity 4.600 cd/lm

Required components:

F15848_HEKLA-SOCKET-G



SAMSUNG

LED LC010C G2

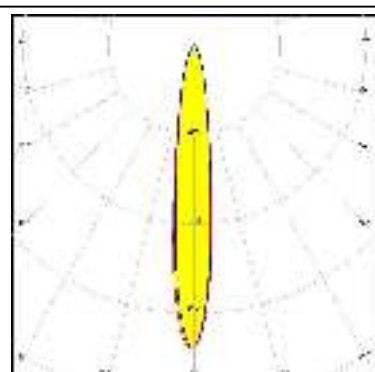
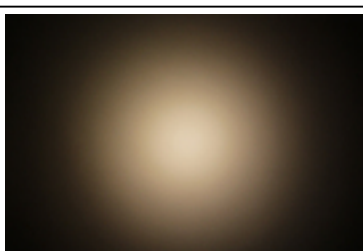
FWHM 14.0°

Efficiency 84 %

Peak intensity 5.400 cd/lm

Required components:

F15255_HEKLA-SOCKET-C



SAMSUNG

LED LC020C

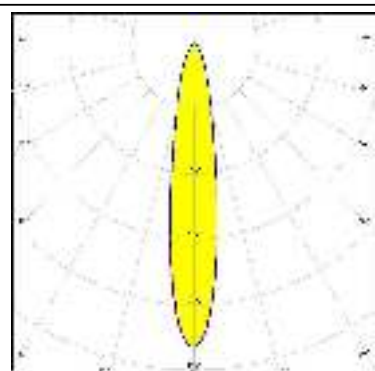
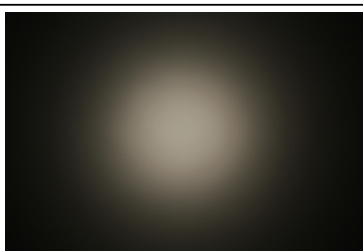
FWHM 18.0°

Efficiency 84 %

Peak intensity 3.700 cd/lm

Required components:

F15848_HEKLA-SOCKET-G



PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED SLE G7 LES09

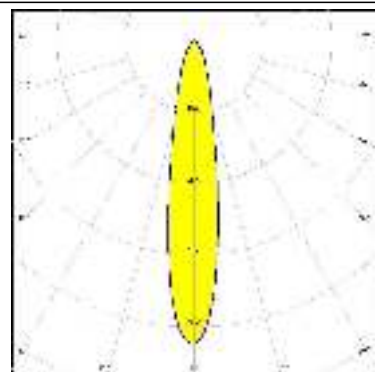
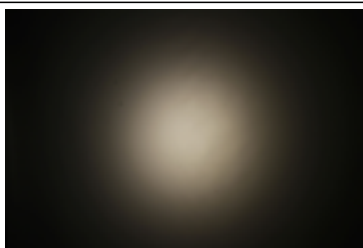
FWHM 19.0°

Efficiency 83 %

Peak intensity 3.400 cd/lm

Required components:

F15255_HEKLA-SOCKET-C



TRIDONIC

LED SLE G7 LES13

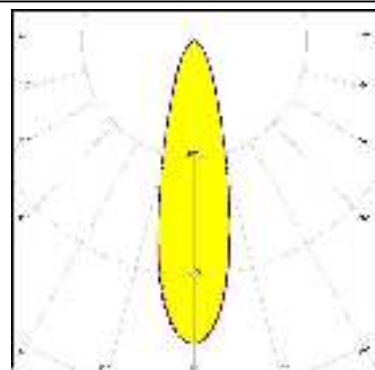
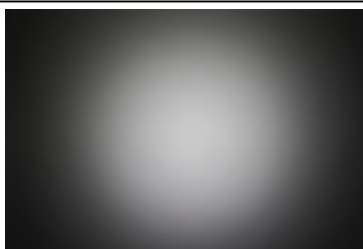
FWHM 27.0°

Efficiency 81 %

Peak intensity 2.100 cd/lm

Required components:

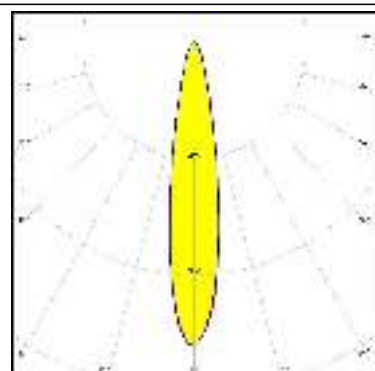
F15859_HEKLA-SOCKET-I



PHOTOMETRIC DATA (SIMULATED):

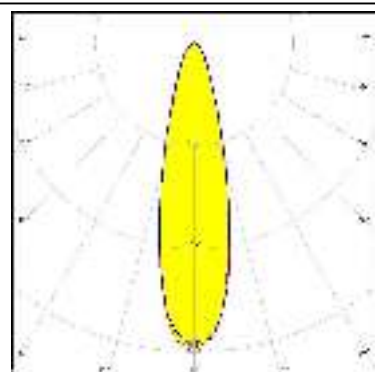
CREE

LED CMT14xx
FWHM 19.0°
Efficiency 85 %
Peak intensity 4.180 cd/lm
Required components:
F15255_HEKLA-SOCKET-C



TRIDONIC

LED SLE G6 LES15
FWHM 26.0°
Efficiency 82 %
Peak intensity 2.400 cd/lm
Required components:
F15859_HEKLA-SOCKET-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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Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)