RONDA-O-C

~50° + 30° oval beam with holder C compatible with LEDiL HEKLA

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 53.9 mm
Height	20.5 mm
Fastening	socket
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
F15990_RONDA-O	Single lens	PMMA	clear	
F15635_RONDA-HLD-C	Holder	PC	white	

ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1
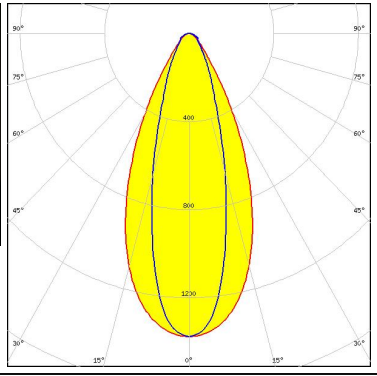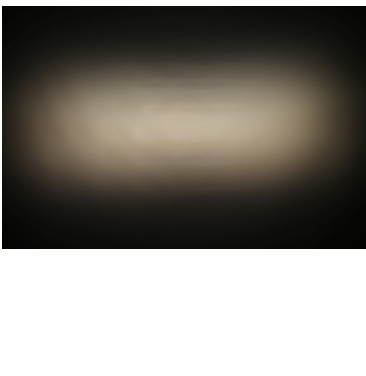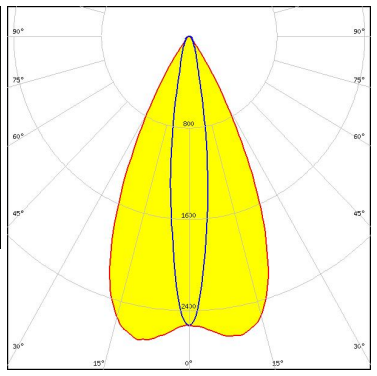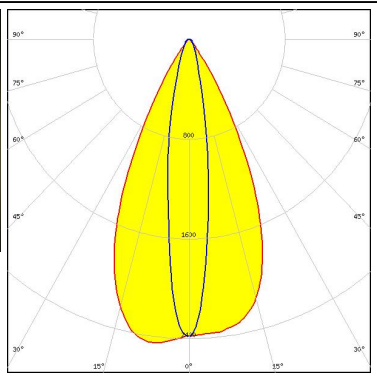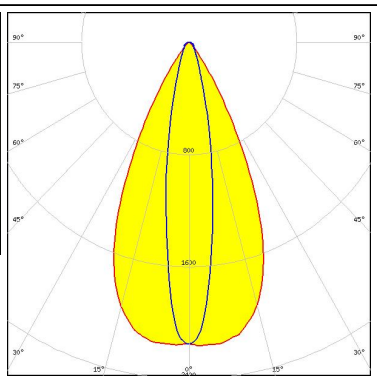
Component		Qty in box	MOQ	MPQ	Box weight (kg)
F15990_RONDA-O	Single lens	420	120	30	6.5
» Box size: 480 x 280 x 300 mm					
F15635_RONDA-HLD-C	Holder	420	120	30	4.1
» Box size: 480 x 280 x 300 mm					

Ronda optics

F15635_RONDA-HLD-C

M3 screw+washer

Hekla socket, see compatibility www.ledil.com

Led, see compatibility www.ledil.com

OPTIC/HOLDER ASSEMBLY

1. Place pin on the side of the lens into relative hole on the holder.

2. Press the lens under clips on the holder, ensuring both clips are fixed.

Pin

Holder hole

Clips

Holder C can be turned 90°->fixing screw can be at beam direction or 90°angle to it

20.46
(with socket)

16.61

Max.28.2
(F156156_Ronda WAS)

Leads out
AWG20 recommended

Oval beam direction

3.42

54.95

Φ53.9

Tolerances if not otherwise shown	
According to DIN ISO 2768-1	
Linear measures:	
Up to 30mm class M, otherwise class C.	
According to DIN ISO 2768-2	
Form and position: class L	

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
RONDA-C_Datasheet

This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.

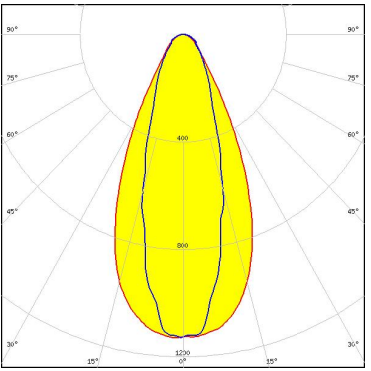| SIZE	PART NUMBER		
A3			
SCALE 1:1	WEIGHT		SHEET 1/1

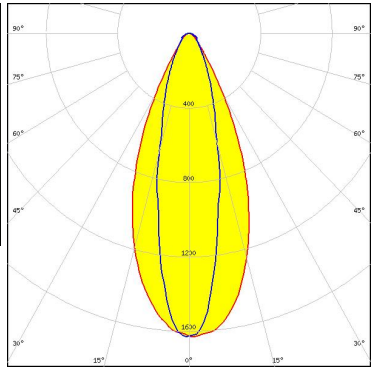See also our general installation guide: www.ledil.com/installation_guide
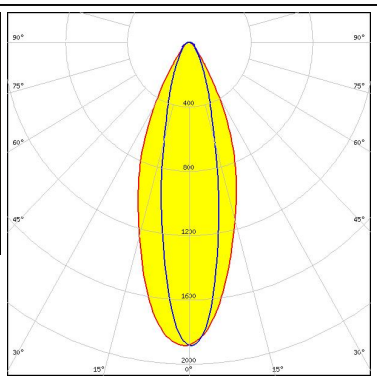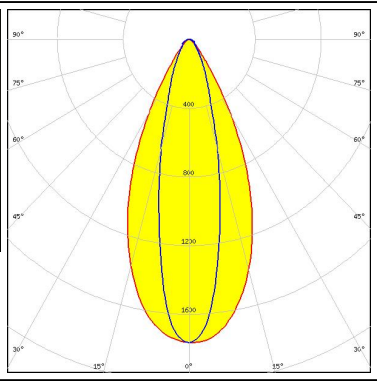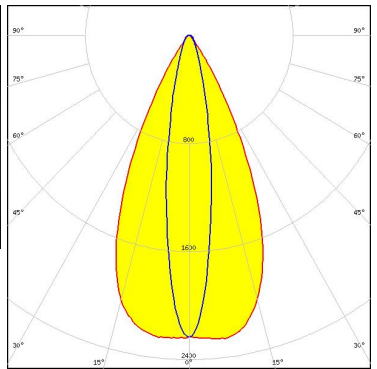
PHOTOMETRIC DATA (MEASURED):

bridgelux		
LED	V11 HD Gen 8	
FWHM / FWTM	48.0 + 29.0° / 80.0 + 68.0°	
Efficiency	83 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
Bender Wirth: 633d Hekla		

bridgelux		
LED	V4 HD Gen 7	
FWHM / FWTM	51.0 + 16.0° / 70.0 + 35.0°	
Efficiency	92 %	
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
F15253_HEKLA-SOCKET-A		

bridgelux		
LED	V6 Gen6	
FWHM / FWTM	50.0 + 17.0° / 72.0 + 40.0°	
Efficiency	91 %	
Peak intensity	2.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
F15253_HEKLA-SOCKET-A		

bridgelux		
LED	V6 HD Gen 7	
FWHM / FWTM	51.0 + 19.0° / 73.0 + 43.0°	
Efficiency	91 %	
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
F15255_HEKLA-SOCKET-C		

PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	V9 HD Gen7
FWHM / FWTM	47.0 + 23.0° / 74.0 + 54.0°
Efficiency	89 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	

bridgelux

LED	Vesta DTW 13mm (21W)
FWHM / FWTM	53.0 + 35.0° / 89.0 + 84.0°
Efficiency	80 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 491 Typ L8	

bridgelux

LED	Vesta TW 13mm (25W) CSP
FWHM / FWTM	50.0 + 31.0° / 85.0 + 81.0°
Efficiency	82 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 492 Typ L8	

bridgelux

LED	Vesta TW 6mm DP
FWHM / FWTM	48.0 + 19.0° / 71.0 + 45.0°
Efficiency	85 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 504 Typ L8	

PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	Vesta TW 9mm (12W) CSP
FWHM / FWTM	44.0 + 25.0° / 73.0 + 64.0°
Efficiency	85 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	

CITIZEN

LED	CLC020 Series (Dim-To-Warm)
FWHM / FWTM	29.0 + 23.0° / 72.0 + 57.0°
Efficiency	84 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	

CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	47.0 + 24.0° / 75.0 + 58.0°
Efficiency	88 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

CITIZEN

LED	CLU700/701/702
FWHM / FWTM	50.0 + 18.0° / 71.0 + 43.0°
Efficiency	90 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLU7A2 (LES 4.2mm)
FWHM / FWTM	49.0 + 14.0° / 68.0 + 31.0°
Efficiency	91 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	
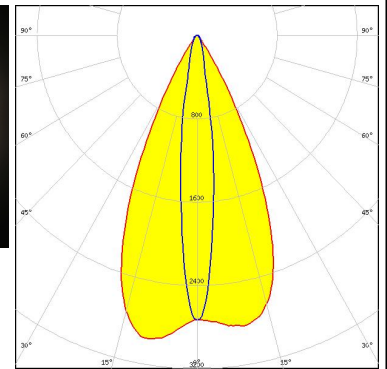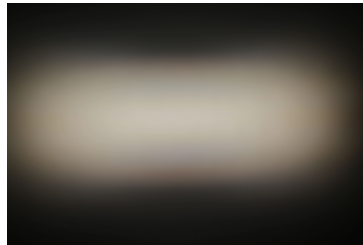
CREE LED

LED	CMA1516
FWHM / FWTM	49.0 + 25.0° / 76.0 + 57.0°
Efficiency	91 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15256_HEKLA-SOCKET-D	
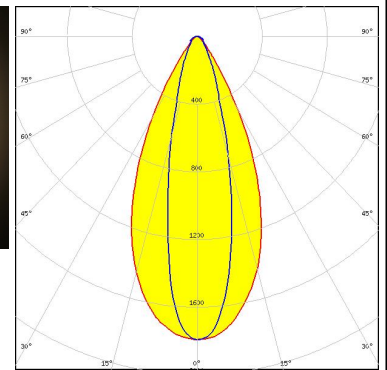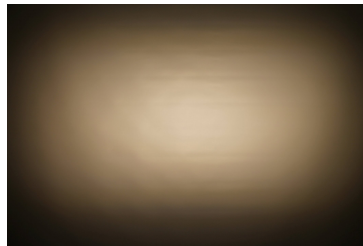
CREE LED

LED	CMA1825
FWHM / FWTM	51.0 + 33.0° / 83.0 + 76.0°
Efficiency	88 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15254_HEKLA-SOCKET-B	
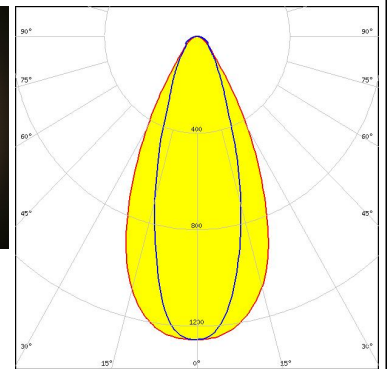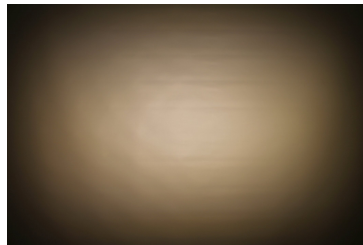
CREE LED

LED	CMT14xx
FWHM / FWTM	48.0 + 26.0° / 77.0 + 60.0°
Efficiency	90 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	
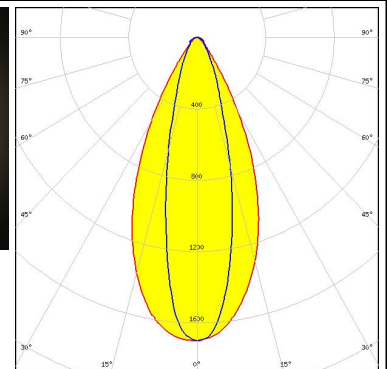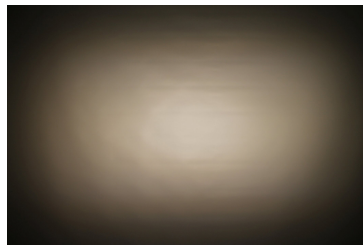
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	CMT19xx
FWHM / FWTM	54.0 + 38.0° / 92.0 + 88.0°
Efficiency	84 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	
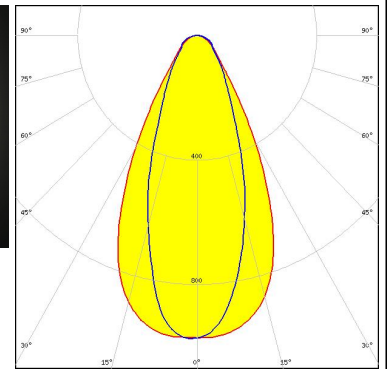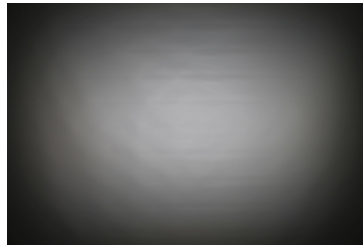
CREE LED

LED	CXA/B 13xx
FWHM / FWTM	50.0 + 17.0° / 72.0 + 40.0°
Efficiency	91 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15956_HEKLA-SOCKET-J	
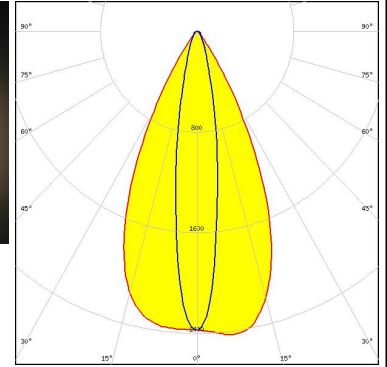
CREE LED

LED	CXA/B 15xx
FWHM / FWTM	49.0 + 23.0° / 75.0 + 54.0°
Efficiency	90 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15256_HEKLA-SOCKET-D	
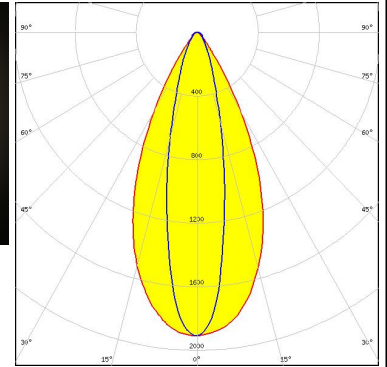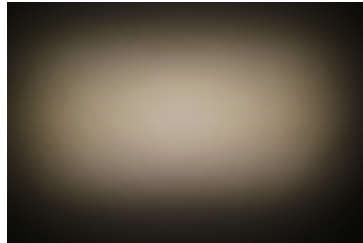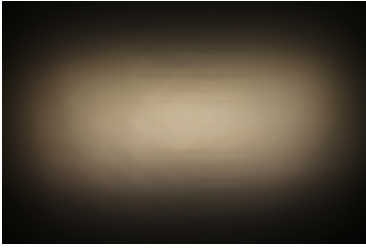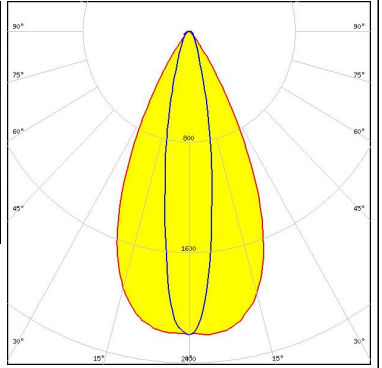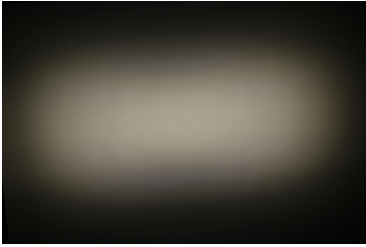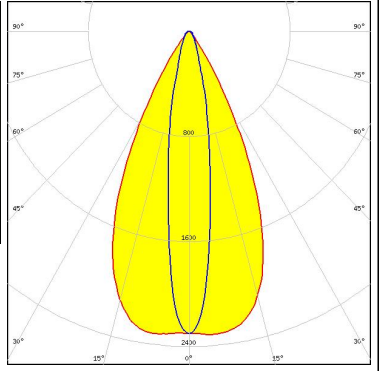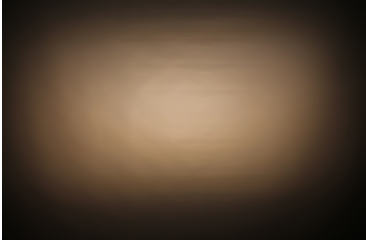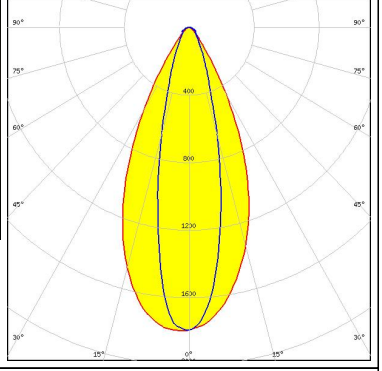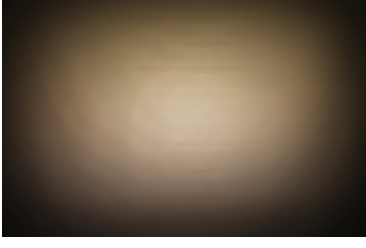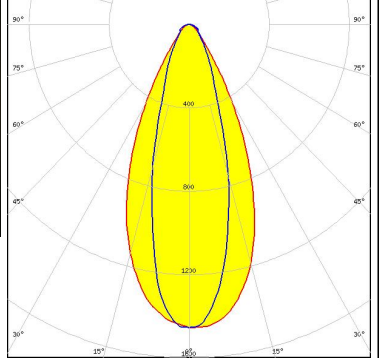
LUMILEDS
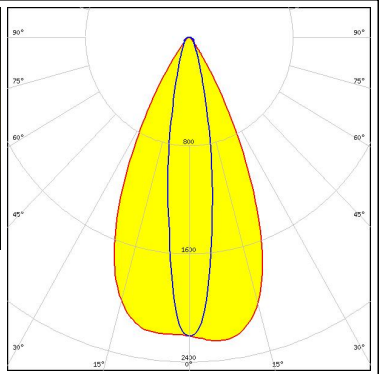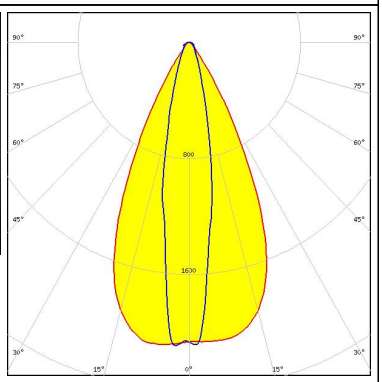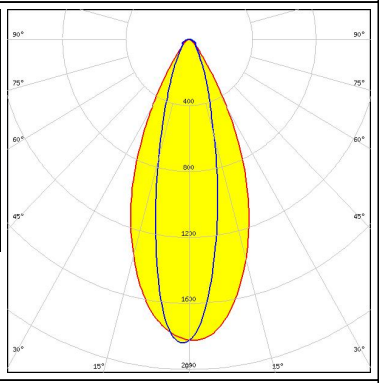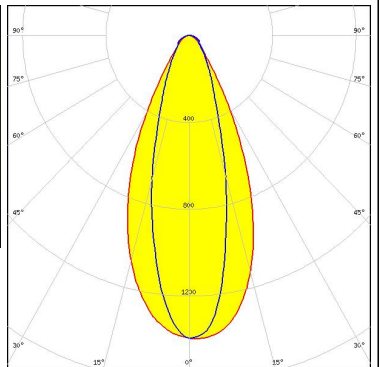
LED	LUXEON CX Plus CoB L08 (Gen2)
FWHM / FWTM	54.0 + 38.0° / 93.0 + 90.0°
Efficiency	85 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 637a Hekla	
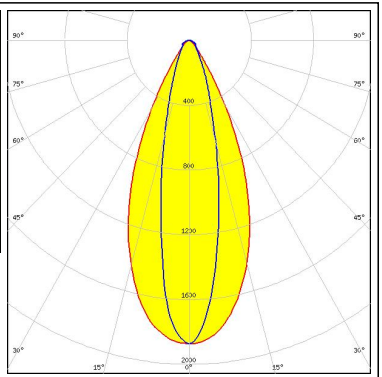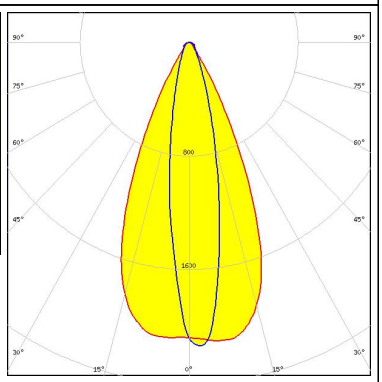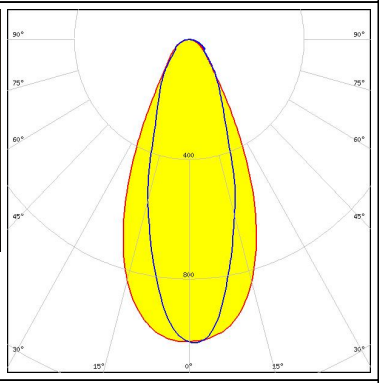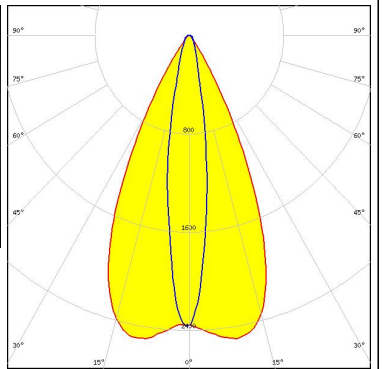
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1202HD
FWHM / FWTM	51.0 + 18.0° / 73.0 + 43.0°
Efficiency	91 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15848_HEKLA-SOCKET-G	

LUMILEDS

LED	LUXEON CoB 1202s
FWHM / FWTM	51.0 + 17.0° / 72.0 + 40.0°
Efficiency	91 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15848_HEKLA-SOCKET-G	

LUMILEDS

LED	LUXEON CoB 1204HD
FWHM / FWTM	48.0 + 25.0° / 76.0 + 56.0°
Efficiency	91 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15858_HEKLA-SOCKET-H	

LUMILEDS

LED	LUXEON CoB 1205HD
FWHM / FWTM	48.0 + 30.0° / 79.0 + 68.0°
Efficiency	88 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15858_HEKLA-SOCKET-H	
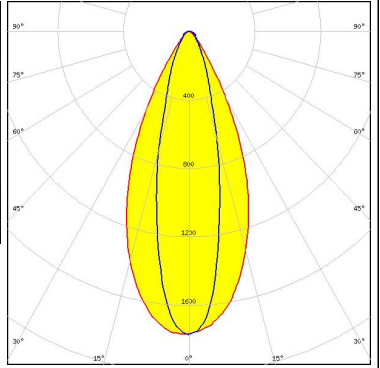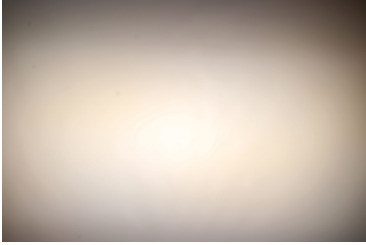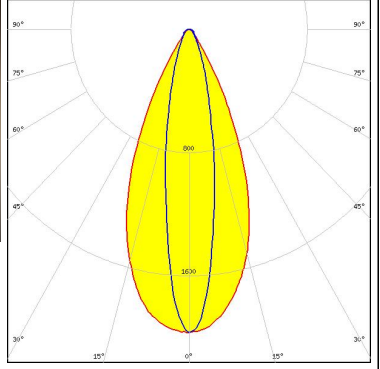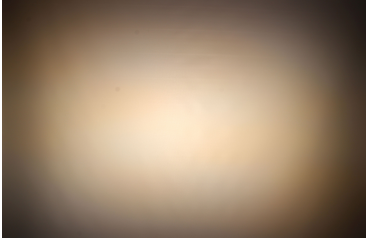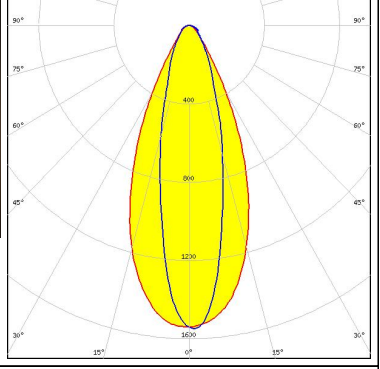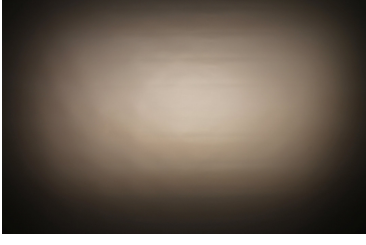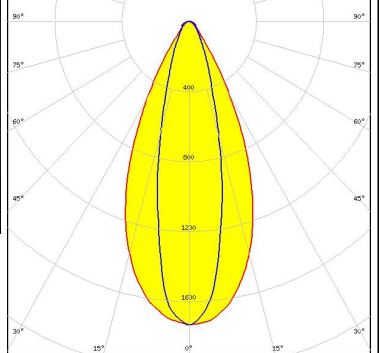
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H4
FWHM / FWTM	50.0 + 18.0° / 72.0 + 43.0°
Efficiency	90 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 634c Hekla	

LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H6 / HD S02H6
FWHM / FWTM	51.0 + 20.0° / 72.0 + 45.0°
Efficiency	91 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 634c Hekla	

LUMILEDS

LED	LUXEON CX Plus CoB - HD S04H9
FWHM / FWTM	46.0 + 25.0° / 75.0 + 58.0°
Efficiency	90 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 634c Hekla	

LUMILEDS

LED	LUXEON CX Plus CoB L04 / L05 (Gen2)
FWHM / FWTM	48.0° / 79.0 + 72.0°
Efficiency	88 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 637a Hekla	

PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB M02 / M03 (Gen2)
FWHM / FWTM	46.0 + 23.0° / 74.0 + 56.0°
Efficiency	90 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 641a Hekla	

LUMILEDS

LED	LUXEON CX Plus CoB S01 (Gen2)
FWHM / FWTM	48.0 + 20.0° / 68.0 + 47.0°
Efficiency	89 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 634c Hekla	

LUMINUS

LED	CxM-14 (19x19)
FWHM / FWTM	49.0 + 35.0° / 89.0 + 88.0°
Efficiency	79 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	

LUMINUS

LED	CXM-4
FWHM / FWTM	51.0 + 16.0° / 70.0 + 37.0°
Efficiency	90 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CxM-9 (13.5x13.5)
FWHM / FWTM	47.0 + 25.0° / 75.0 + 59.0°
Efficiency	89 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

NICHIA

LED	NJCWL024Z-V1MT: COB L-Type Tunable White
FWHM / FWTM	46.0 + 20.0° / 70.0 + 50.0°
Efficiency	82 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 497 Typ L8	

NICHIA

LED	NVCWJ024Z-V1MT: COB J-Type Tunable White
FWHM / FWTM	45.0 + 25.0° / 75.0 + 67.0°
Efficiency	84 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 498 Typ L8	

PHILIPS

LED	Fortimo SLM L09 CoB
FWHM / FWTM	48.0 + 25.0° / 76.0 + 58.0°
Efficiency	90 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15858_HEKLA-SOCKET-H	

PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED	Fortimo SLM L13 CoB
FWHM / FWTM	41.0 + 45.0° / 90.0 + 89.0°
Efficiency	83 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 432 Typ L8	
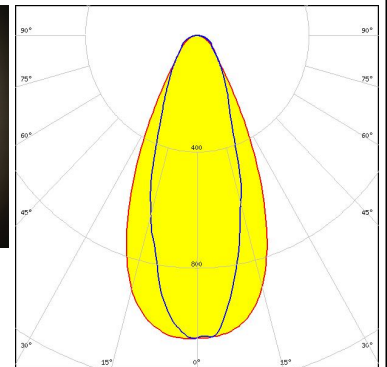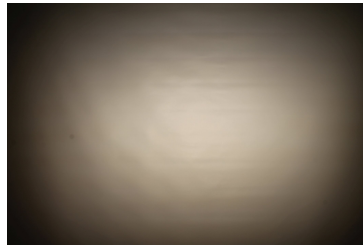
SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
FWHM / FWTM	48.0 + 25.0° / 76.0 + 60.0°
Efficiency	89 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	
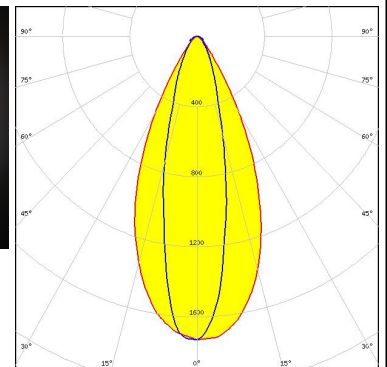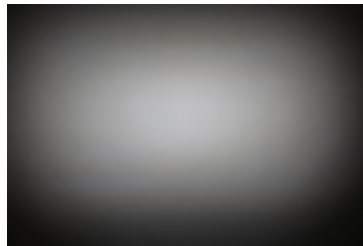
SAMSUNG

LED	LC010C
FWHM / FWTM	52.0 + 18.0° / 74.0 + 44.0°
Efficiency	90 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15848_HEKLA-SOCKET-G	
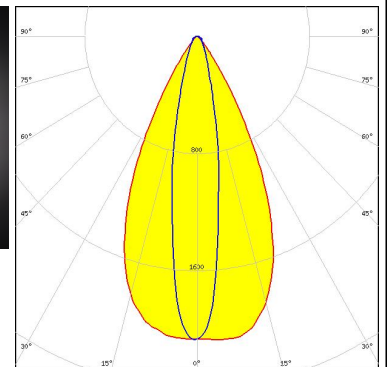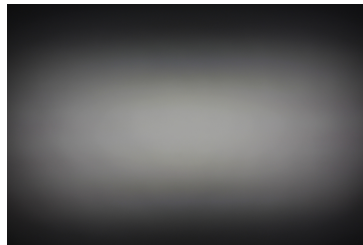
SAMSUNG

LED	LC010C G2
FWHM / FWTM	50.0 + 17.0° / 71.0 + 41.0°
Efficiency	89 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	
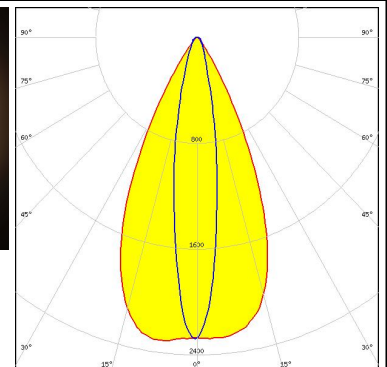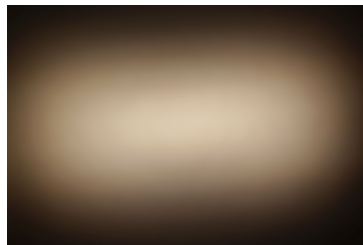
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
FWHM / FWTM	55.0 + 37.0° / 94.0 + 89.0°
Efficiency	82 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	
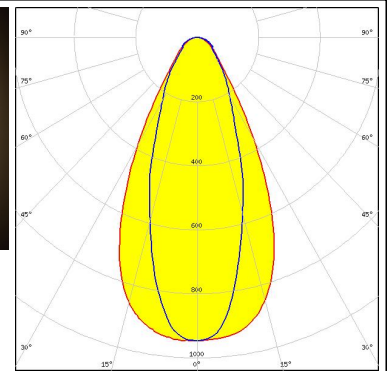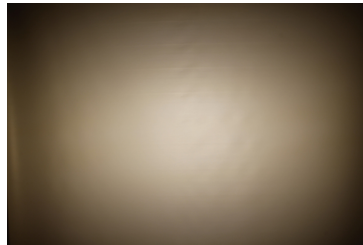
SAMSUNG

LED	LC020C
FWHM / FWTM	49.0 + 22.0° / 75.0 + 52.0°
Efficiency	90 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15848_HEKLA-SOCKET-G	
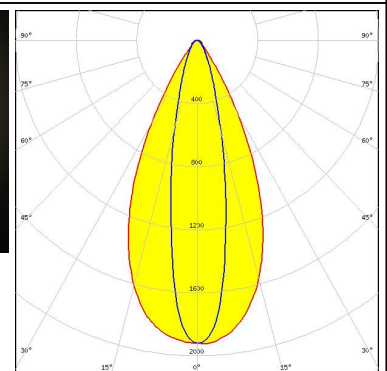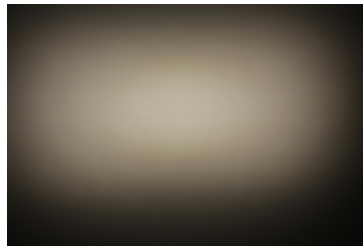
SAMSUNG

LED	LC020C G2
FWHM / FWTM	47.0 + 23.0° / 74.0 + 55.0°
Efficiency	88 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	
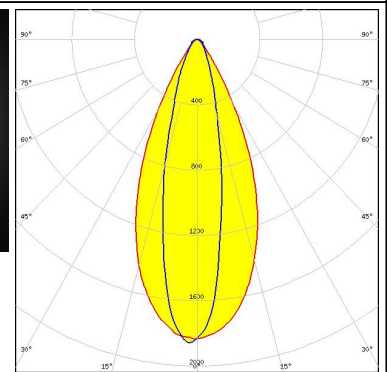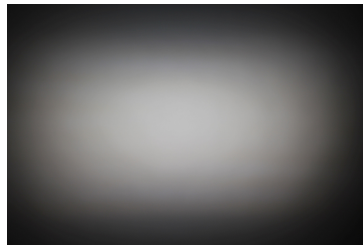
TRIDONIC

LED	SLE G7 LES09
FWHM / FWTM	46.0 + 24.0° / 74.0 + 57.0°
Efficiency	88 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	
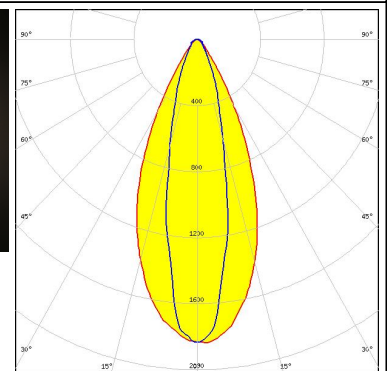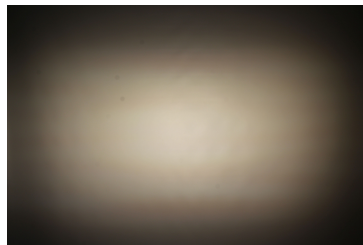
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED	SLE G7 LES13
FWHM / FWTM	52.0 + 35.0° / 85.0 + 81.0°
Efficiency	84 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	
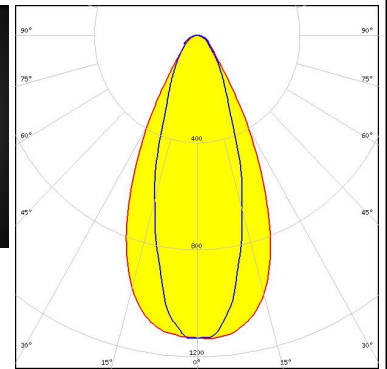
TRIDONIC

LED	SLE G7 LES15
FWHM / FWTM	55.0 + 39.0° / 94.0 + 90.0°
Efficiency	83 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	
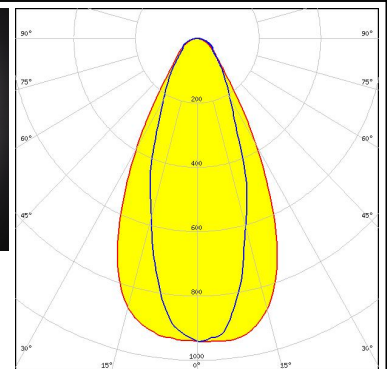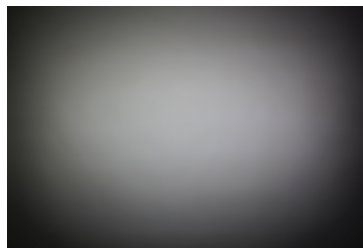
XICATO

LED	XOB 14.5 mm
FWHM / FWTM	54.0 + 36.0° / 88.0 + 84.0°
Efficiency	83 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	
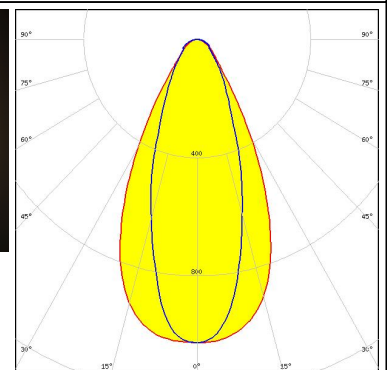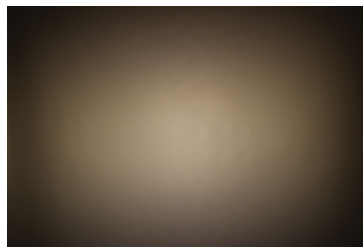
XICATO

LED	XOB 9.8 mm
FWHM / FWTM	48.0 + 24.0° / 76.0 + 89.0°
Efficiency	89 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	
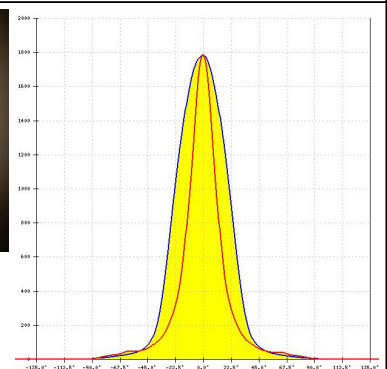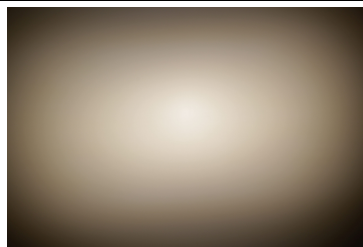
PHOTOMETRIC DATA (MEASURED):

XICATO

LED	XTM - 19mm LES
FWHM / FWTM	57.0 + 40.0° / 111.0 + 107.0°
Efficiency	82 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16058_XTM-ADAPTER-50-C	
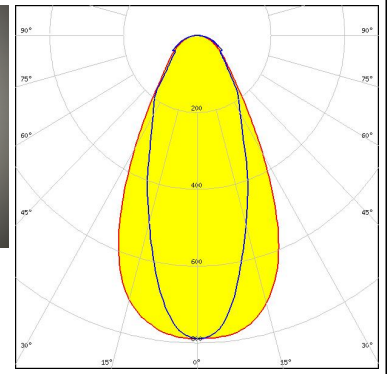
PHOTOMETRIC DATA (SIMULATED):

CITIZEN

LED	CLL03x/CLU03x
FWHM / FWTM	47.0 + 40.0° / 85.0 + 83.0°
Efficiency	80 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	
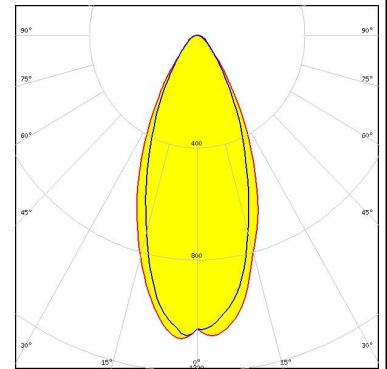
CITIZEN

LED	CLU7B2
FWHM / FWTM	48.0 + 12.0° / 68.0 + 27.0°
Efficiency	91 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	
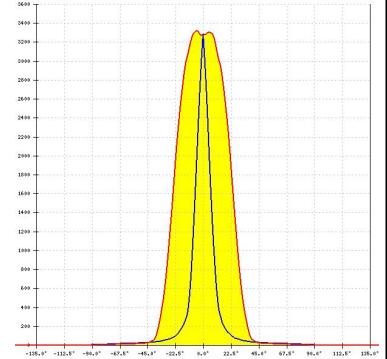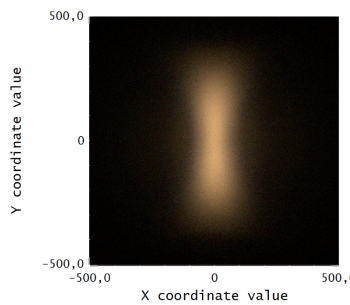
NICHIA

LED	COB T-Type
FWHM / FWTM	28.0 + 47.0° / 40.0 + 71.0°
Efficiency	86 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15848_HEKLA-SOCKET-G	
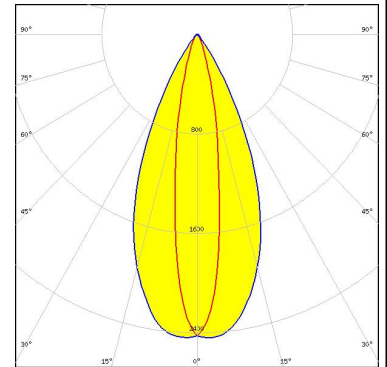
SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
FWHM / FWTM	44.0 + 27.0° / 71.0 + 61.0°
Efficiency	87 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	
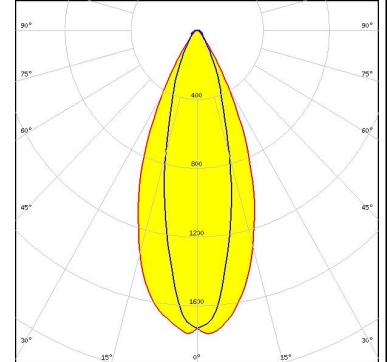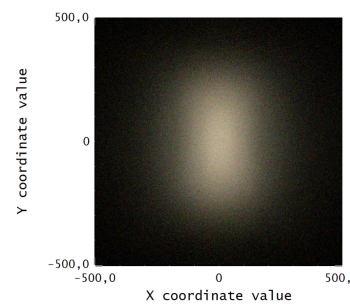
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
FWHM / FWTM	46.0 + 18.0° / 70.0 + 40.0°
Efficiency	90 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	
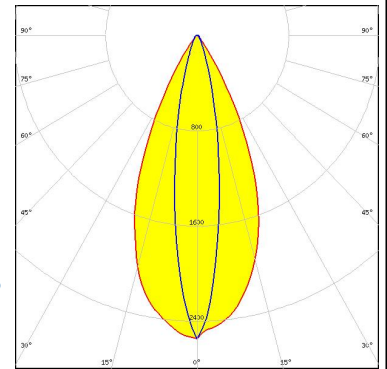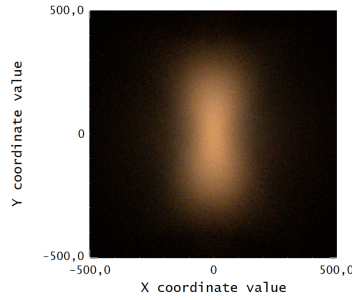
SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
FWHM / FWTM	44.0 + 26.0° / 71.0 + 58.0°
Efficiency	88 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	
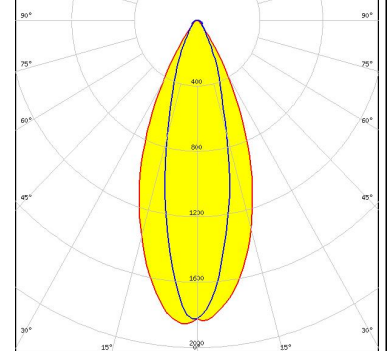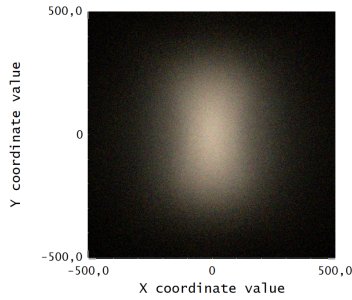
SAMSUNG

LED	LC020C G2
FWHM / FWTM	44.0 + 23.0° / 70.0 + 55.0°
Efficiency	89 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17438_HEKLA-G2-I	
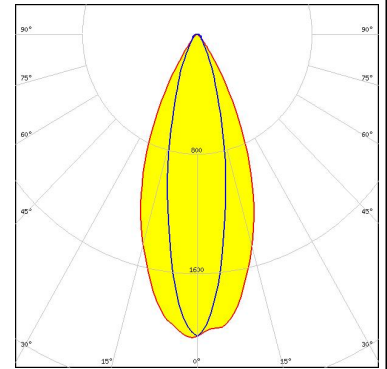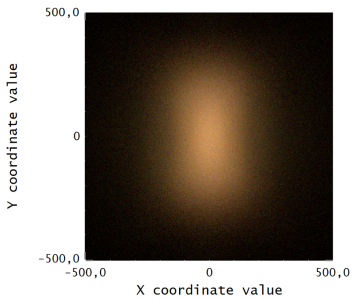
GENERAL INFORMATION:

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for LED Lighting Lenses Assemblies *category:*

Click to view products by Ledil *manufacturer:*

Other Similar products are found below :

FCN12592_LE1-D-COP CA16129_OLGA-W CA16370_HB-SQ-W FN15972_RONDA-ZT45-C CS15759_HB-2X2MX-8-W CA16435_LXP2-SS-WAS CN16210_GABRIELLA-MIDI-W CP17137_CARMEN-M2-C CA16015_STRADA-SQ-SCL CP17594_TINA-SC-RS CS15767_HB-2X2MX-8-M CP10960_RGBX-SS CP12395_LXP3-W CP12939_LARISA-RS-CLIP16 C14636_XTM-PF-ADAPTER CA11819_STRADA-SQ-T-DW CA14508_G2-LXP2-D CA14601_VERONICA-SQ-MINI-RS FCP13895_SEANNA-A CP12943_LARISA-O-CLIP16 FP11124_LISA2-O-PIN CS14597_HB-IP-2X6-O CP14995_FLORENTINA-HLD-O CS15158_STRADA-IP-2X6-T4-B CS16323_STRADELLA-IP-28-HB-M FN14976_STELLA-DWC2 FN15264_STELLA-HB-WWW CA15584_ZORYA-MINI-TAPE FA15229_ROSE-MRK-S FA15232_ROSE-MRK-M FA15233_ROSE-MRK-W FCN13552_CRYSTAL-RS FN15552_RONDA-W FS15626_FLORENCE-3R-IP-Z90 FS15786_FLORENCE-3R-IP-Z60 FS15847_FLORENCE-3R-IP-O CA14505_G2-LXP2-RS2-P FCN12775_IRIS-O CP15304_LARISA-RS-PIN FN15679_RONDA-S CA15519_VERONICA-SQ-MINI-D FP14414_LISA2-O-PIN LL01CR-DF60L06-M2 FN15993_RONDA-O FN15977_RONDA-WAS2 CA14366_FLARE-MAXI-TAPE CA14442_VERONICA-SQ-W CA14509_G2-LXP2-M-P CA15231_VERONICA-SQ-MINI-W FP11002_LISA2-W-PIN