WINNIE-WW-C

~65° wide beam with holder C compatible with LEDiL HEKLA

SPECIFICATION:

Dimensions	Ø 50.0 mm
Height	15.7 mm
Fastening	socket
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish
C16189_WINNIE-WW	Single lens	PMMA	clear	
C15821_WINNIE-HLD-C	Holder	PC	black	

ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1
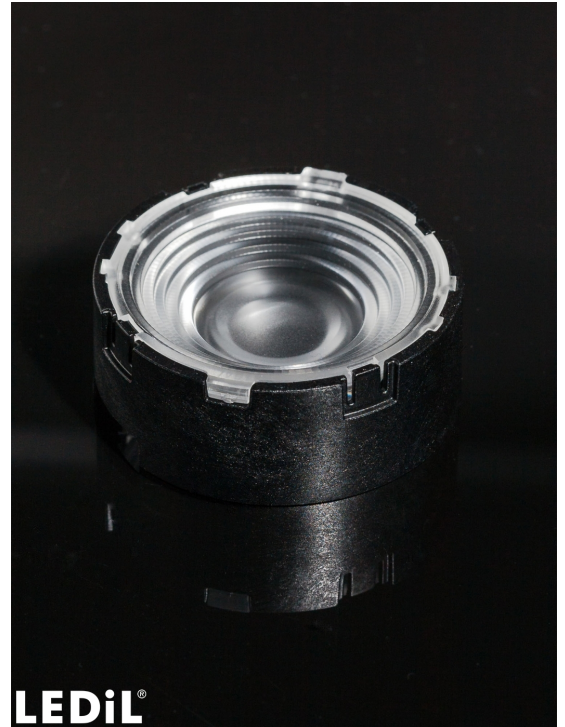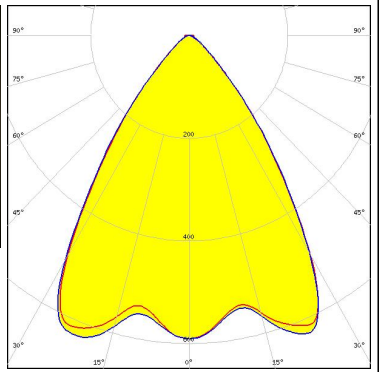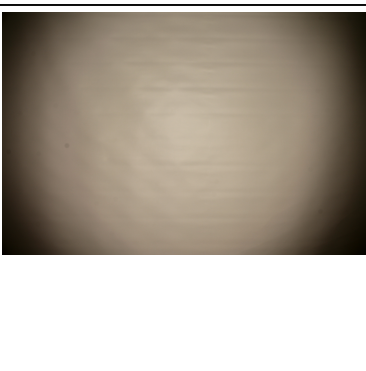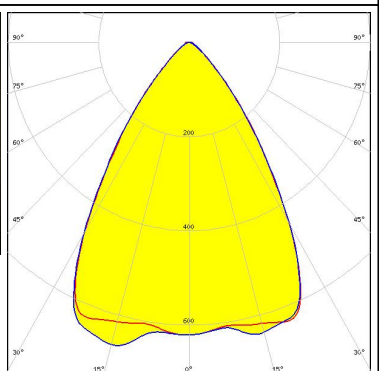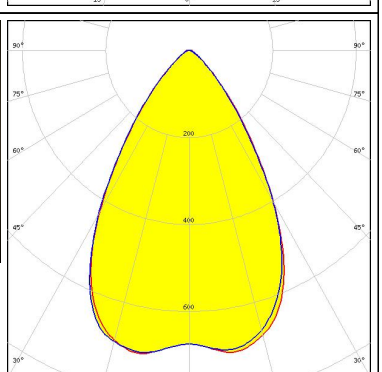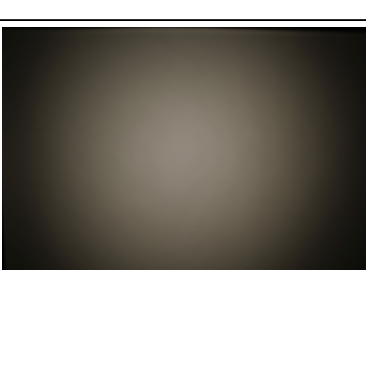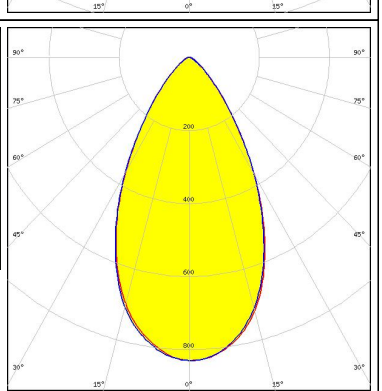
Component		Qty in box	MOQ	MPQ	Box weight (kg)
C16189_WINNIE-WW » Box size: 476 x 273 x 292 mm	Single lens	364	84	28	5.6
C15821_WINNIE-HLD-C » Box size: 400 x 300 x 300 mm	Holder	420		28	4.1

DATE
24.02.2021

Bottom view

Isometric view

15.72

Front view

Φ50

Top view

CN16191_WINNIE-WW-C
COMPONENTS

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C15821_WINNIE-HLD-C	HOLDER	PC	black
2	C16189_WINNIE-WW	LENS	PMMA	clear

MECHANICAL DRAWING

PRODUCT
WINNIE

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

LEDiL®

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SCALE 3:2	WEIGHT 18.81g	A3 SHEET 1/1

Notes
- ● PCB or heatsink level.
- ● LED location
- Ensure LED fitting from a product specific 3D model available from www.ledil.com
- For more details about installation please see LEDiL Installation Guide on www.ledil.com

See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

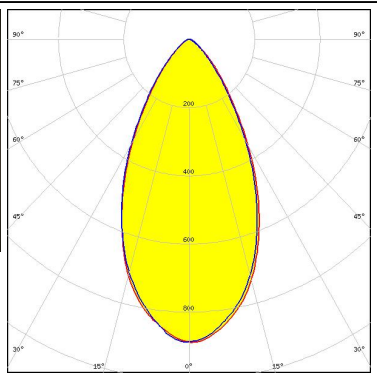|	
bridgelux	
LED	V4 HD Gen 7
FWHM / FWTM	72.0° / 98.0°
Efficiency	83 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15253_HEKLA-SOCKET-A	

bridgelux	
LED	V6 HD Gen 7
FWHM / FWTM	69.0° / 98.0°
Efficiency	83 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

bridgelux	
LED	V9 HD Gen7
FWHM / FWTM	65.0° / 97.0°
Efficiency	82 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	

bridgelux	
LED	VERO13
FWHM / FWTM	56.0° / 94.0°
Efficiency	80 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	

OPTICAL RESULTS (MEASURED):

bridgelux

LED	VERO18
FWHM / FWTM	59.0° / 100.0°
Efficiency	78 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	

bridgelux

LED	Vesta DTW 13mm (21W)
FWHM / FWTM	50.0° / 89.0°
Efficiency	76 %
Peak intensity	0.9 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	53.0° / 92.0°
Efficiency	79 %
Peak intensity	0.9 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	60.0° / 92.0°
Efficiency	79 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 504 Typ L8	

OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLC030 Series (Dim-To-Warm)
FWHM / FWTM	57.0° / 95.0°
Efficiency	78 %
Peak intensity	8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
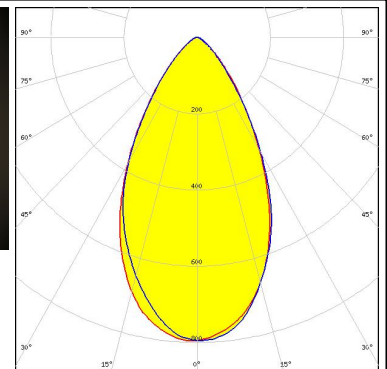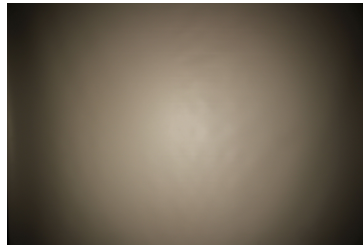
CITIZEN

LED	CLU700/701/702/703
FWHM / FWTM	70.0° / 100.0°
Efficiency	83 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	
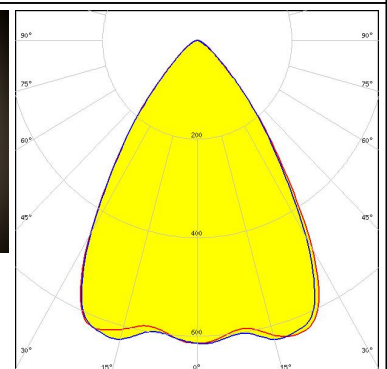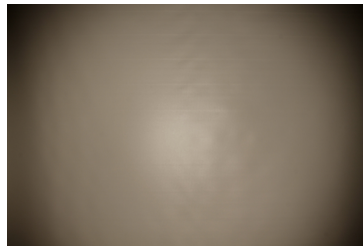
CITIZEN

LED	CLU7A2/7A3
FWHM / FWTM	70.0° / 97.0°
Efficiency	84 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

CREE LEDs
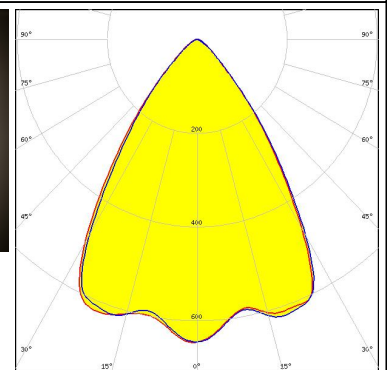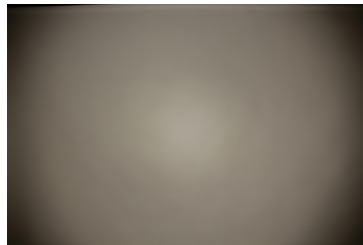
LED	CMT14xx
FWHM / FWTM	67.0° / 100.0°
Efficiency	82 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

OPTICAL RESULTS (MEASURED):

CREE LEDs
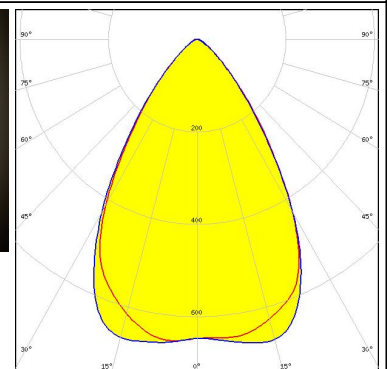
LED	CMT19xx
FWHM / FWTM	63.0° / 100.0°
Efficiency	80 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	

LUMILEDS
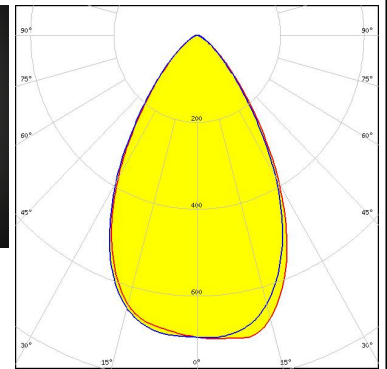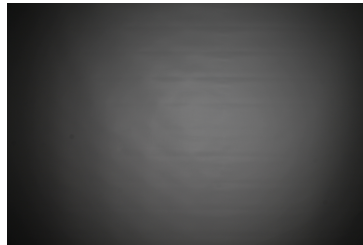
LED	LUXEON CX Plus CoB L08 (Gen2)
FWHM / FWTM	59.0° / 97.0°
Efficiency	80 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 637a Hekla	

LUMILEDS
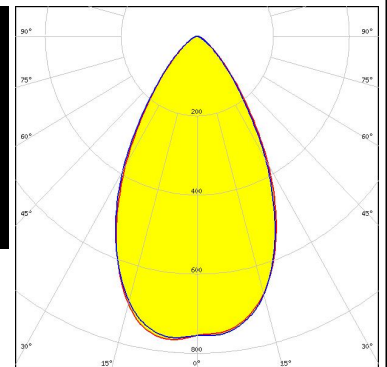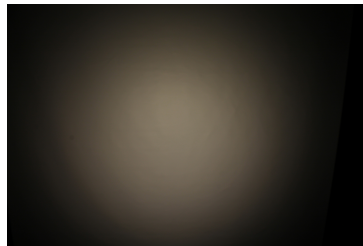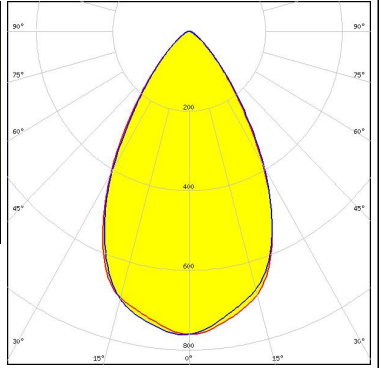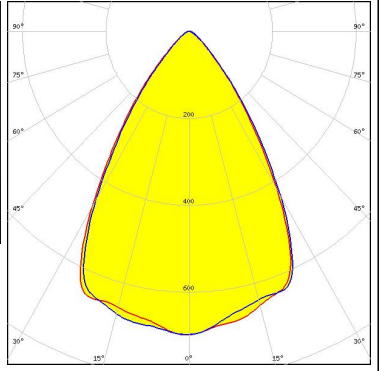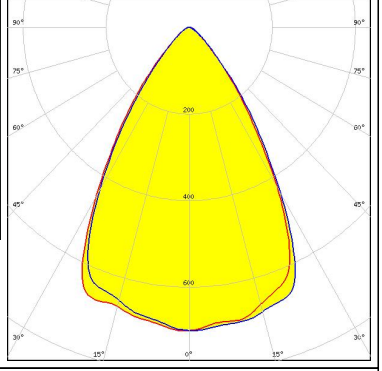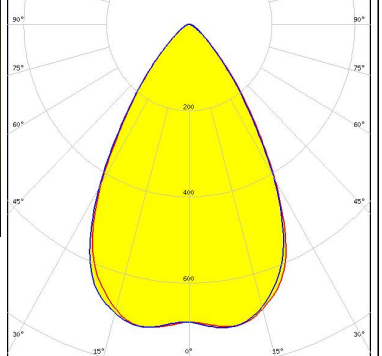
LED	LUXEON CoB 1202HD
FWHM / FWTM	69.0° / 98.0°
Efficiency	82 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15848_HEKLA-SOCKET-G	
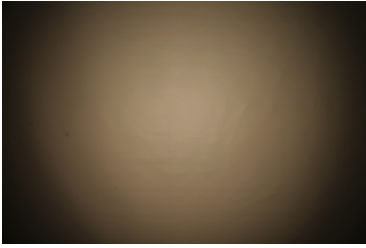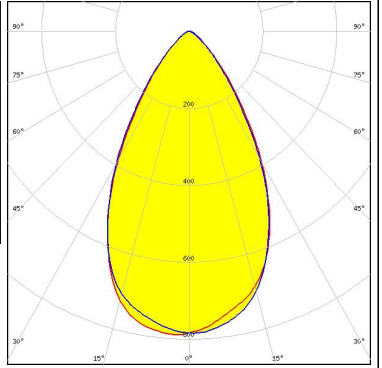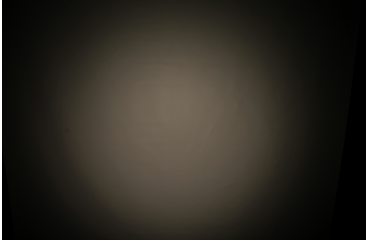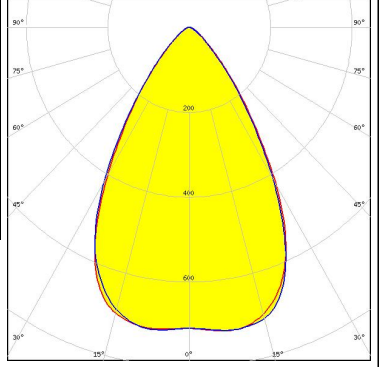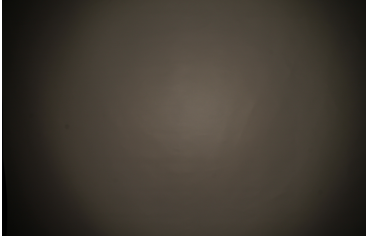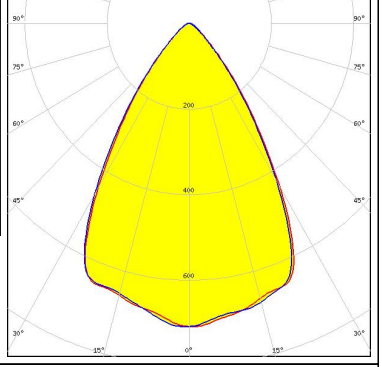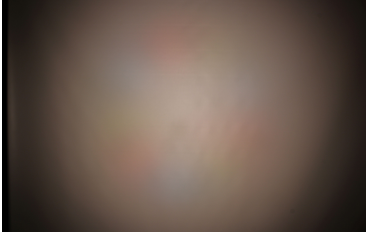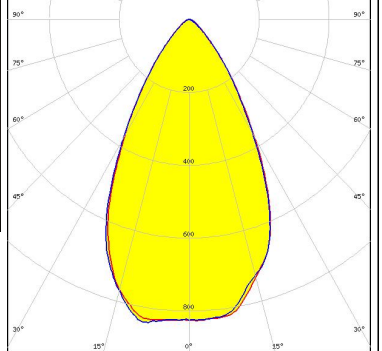
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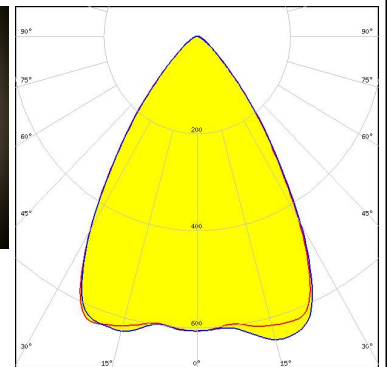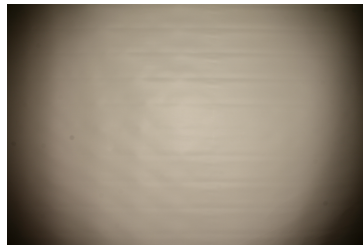
LED	LUXEON CoB 1204HD
FWHM / FWTM	64.0° / 96.0°
Efficiency	82 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15858_HEKLA-SOCKET-H	

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON CoB 1205HD
FWHM / FWTM	61.0° / 96.0°
Efficiency	81 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	

LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H4
FWHM / FWTM	66.0° / 95.0°
Efficiency	83 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 634c Hekla	

LUMILEDS

LED	LUXEON CX Plus CoB - HD S02H6
FWHM / FWTM	65.0° / 94.0°
Efficiency	83 %
Peak intensity	0.7 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	64.0° / 96.0°
Efficiency	83 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 634c Hekla	

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB L04 / L05 (Gen2)
FWHM / FWTM	60.0° / 96.0°
Efficiency	82 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 637a Hekla	

LUMILEDS

LED	LUXEON CX Plus CoB M02 / M03 (Gen2)
FWHM / FWTM	63.0° / 95.0°
Efficiency	82 %
Peak intensity	0.7 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	65.0° / 94.0°
Efficiency	83 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 634c Hekla	

LUMILEDS

LED	LUXEON Fusion
FWHM / FWTM	57.0° / 91.0°
Efficiency	80 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 442 Typ L8	

OPTICAL RESULTS (MEASURED):

LUMINUS

LED	CxM-14 (19x19)
FWHM / FWTM	60.0° / 97.0°
Efficiency	80 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	

LUMINUS
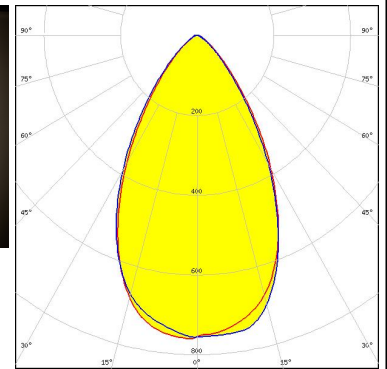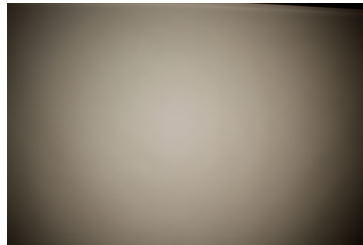
LED	CxM-9 (13.5x13.5)
FWHM / FWTM	66.0° / 99.0°
Efficiency	82 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

SAMSUNG
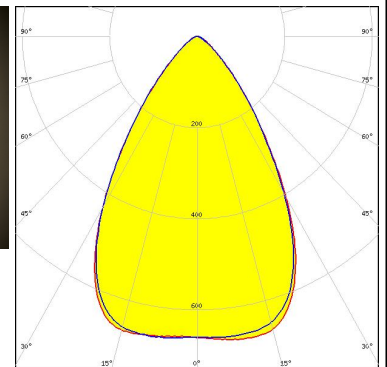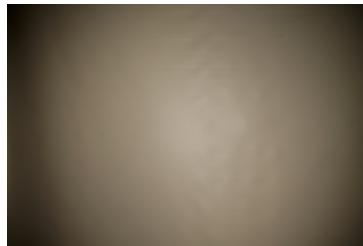
LED	LC010C G2
FWHM / FWTM	68.0° / 97.0°
Efficiency	82 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

SAMSUNG
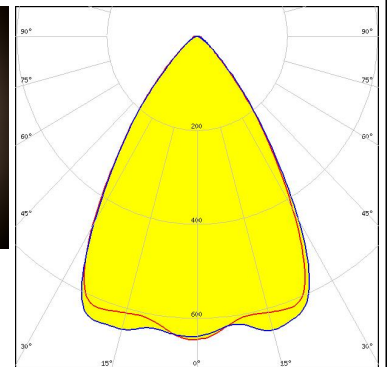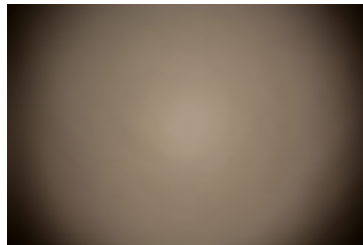
LED	LC020C G2
FWHM / FWTM	64.0° / 96.0°
Efficiency	82 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	
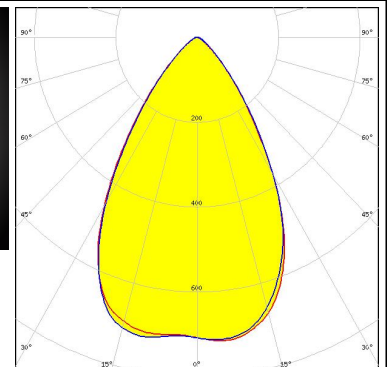
OPTICAL RESULTS (MEASURED):

TRIDONIC

LED	SLE G7 LES09
FWHM / FWTM	67.0° / 99.0°
Efficiency	81 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	
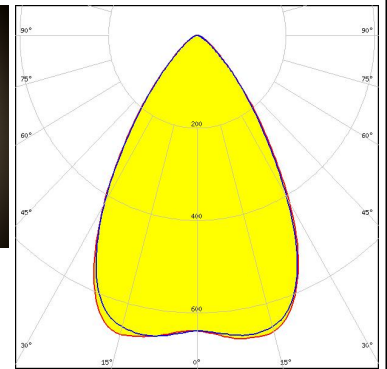
TRIDONIC

LED	SLE G7 LES13
FWHM / FWTM	60.0° / 98.0°
Efficiency	80 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	
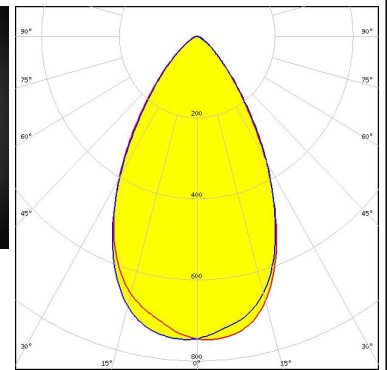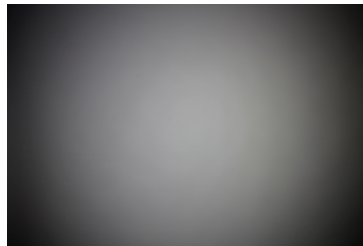
TRIDONIC

LED	SLE G7 LES15
FWHM / FWTM	61.0° / 100.0°
Efficiency	79 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	
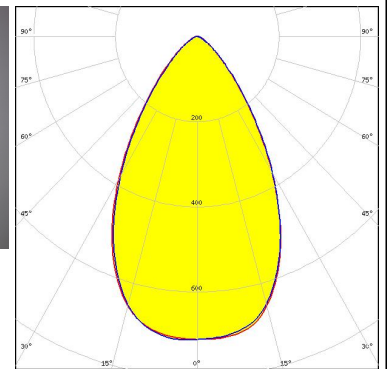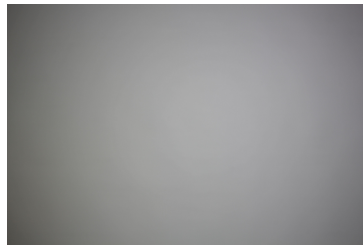
XICATO

LED	XOB 14.5 mm
FWHM / FWTM	62.0° / 99.0°
Efficiency	80 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	
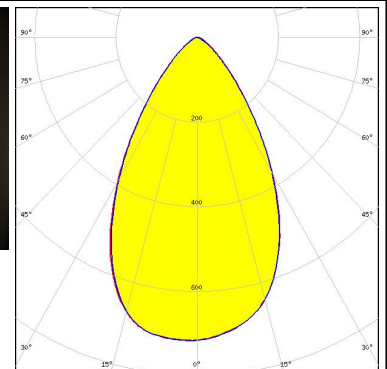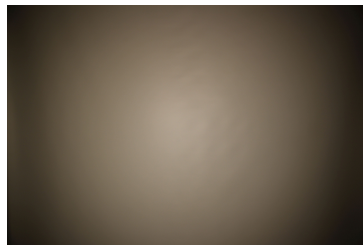
OPTICAL RESULTS (MEASURED):

XICATO

LED	XOB 9.8 mm
FWHM / FWTM	66.0° / 99.0°
Efficiency	82 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

OPTICAL RESULTS (SIMULATED):

bridgelux
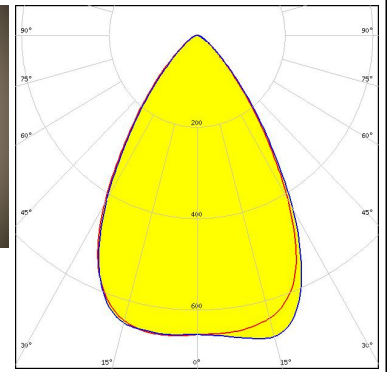
LED	V10 Gen7
FWHM / FWTM	69.0° / 100.0°
Efficiency	83 %
LEDs/each optic	1
Light colour	White
Required components:	
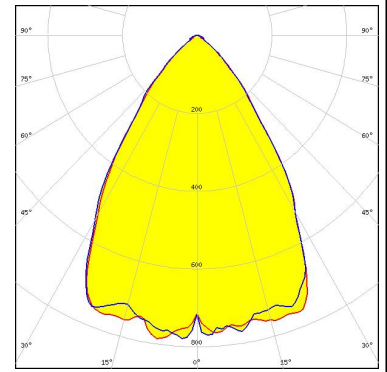
CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	68.0° / 100.0°
Efficiency	82 %
LEDs/each optic	1
Light colour	White
Required components:	
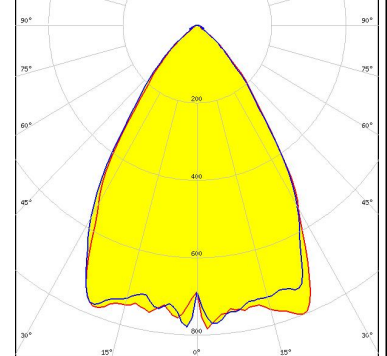
CITIZEN

LED	CLL03x/CLU03x
FWHM / FWTM	62.0° / 97.0°
Efficiency	77 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	

CREE LEDs
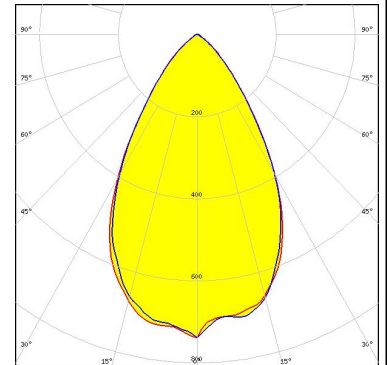
LED	CMA1825
FWHM / FWTM	65.0° / 100.0°
Efficiency	81 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15254_HEKLA-SOCKET-B	

OPTICAL RESULTS (SIMULATED):

CREE LEDs
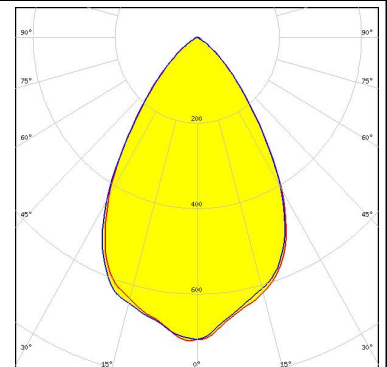
LED	CXA/B 13xx
FWHM / FWTM	72.0° / 100.0°
Efficiency	83 %
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
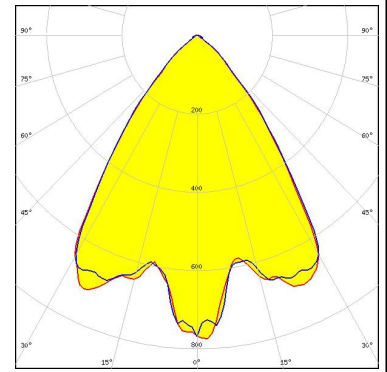
LED	CXA/B 15xx
FWHM / FWTM	70.0° / 100.0°
Efficiency	84 %
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
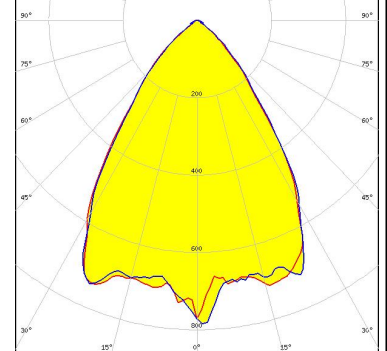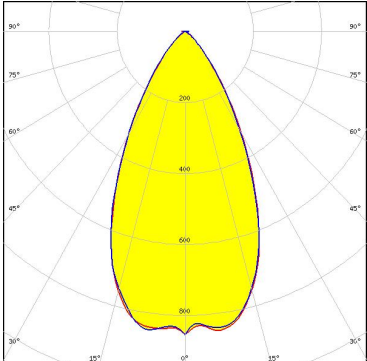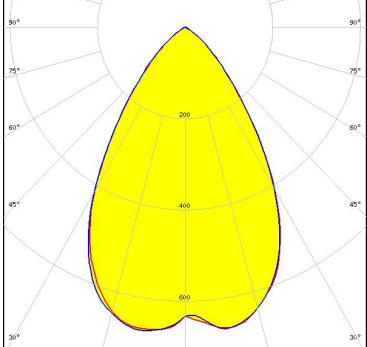
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM	65.0° / 100.0°
Efficiency	83 %
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA
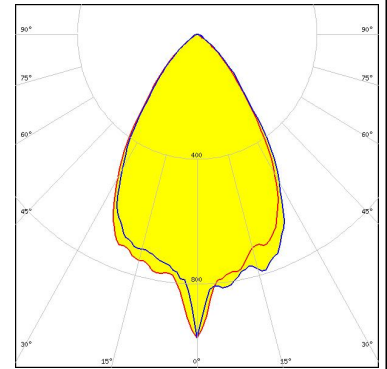
LED	COB J-Type
FWHM / FWTM	60.0° / 97.0°
Efficiency	79 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 463 Typ L8	

OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NFSWE11A
FWHM / FWTM	54.0° / 86.0°
Efficiency	73 %
Peak intensity	0.9 cd/lm
LEDs/each optic	30
Light colour	White
Required components:	

SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
FWHM / FWTM	66.0° / 100.0 + 102.0°
Efficiency	80 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	

SEOUL SEMICONDUCTOR

LED	MJT COB LES 9.8
FWHM / FWTM	68.0° / 100.0°
Efficiency	83 %
Peak intensity	0.7 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.

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