ILONA-WW

~55° wide beam

SPECIFICATION:

Dimensions	Ø 49.7 mm
Height	29.4 mm
Fastening	socket
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish
ILONA-WW	Single lens	PMMA	clear	
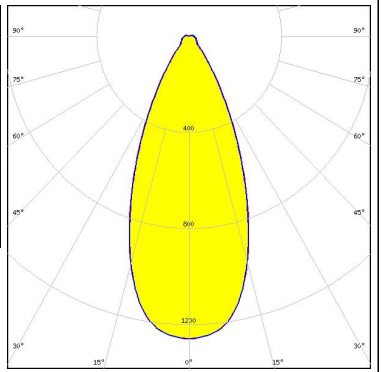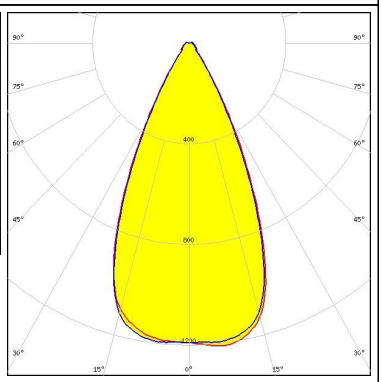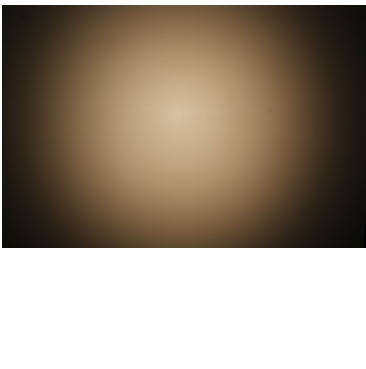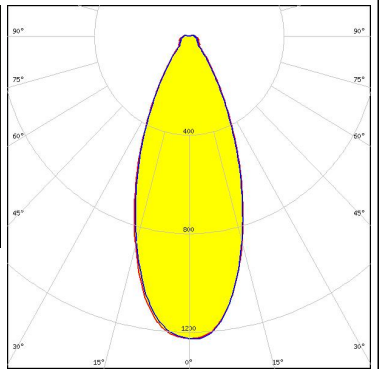
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17434_ILONA-WW	264	99	33	9.2

» Box size: 480 x 280 x 300 mm

Top view
Scale: 4:3

⌀49.7

Isometric view
Scale: 4:3

Example assembly:

Lens

A

Hekla Socket

Front view
Scale: 4:3

29.44

1.25

Optically optimal
LES/LED chip location

Notice right
assembly direction

Detail A
Scale: 4:1

Bottom view
Scale: 4:3

⌀31.6

DATE
14.09.2018

PART	TYPE	MATERIAL	COLOR / COATING
C17434_ILONA-WW	Lens	PMMA	Clear

MECHANICAL DRAWING

PRODUCT
ILONA

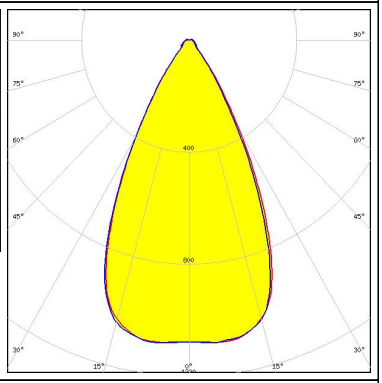Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

LEDiL®

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SCALE	1:1	WEIGHT -	A3	SHEET 1/1

Notes

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
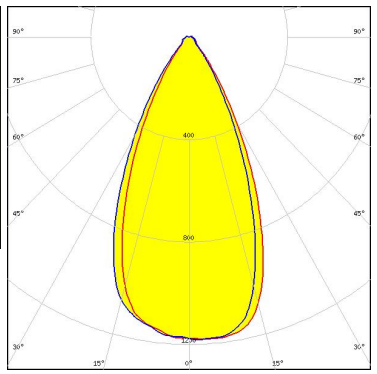
LED	V11 HD Gen 8
FWHM / FWTM	45.0° / 77.0°
Efficiency	93 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 633d Hekla	

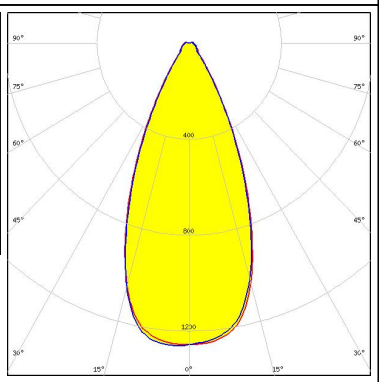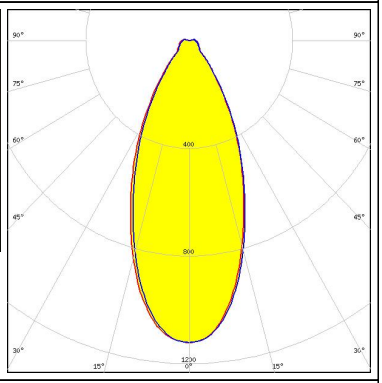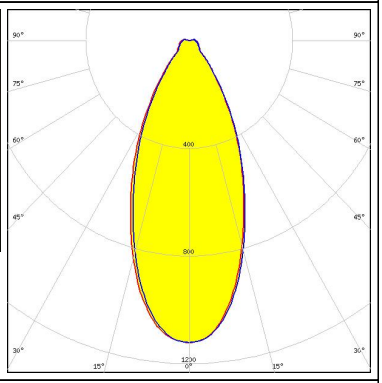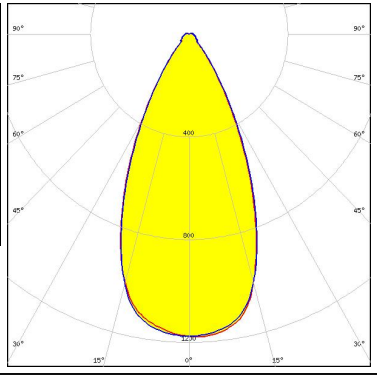**bridgelux**

LED	V6 HD Gen 7
FWHM / FWTM	50.0° / 74.0°
Efficiency	94 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 634c Hekla	

bridgelux

LED	V6 HD Gen 7
FWHM / FWTM	54.0° / 78.0°
Efficiency	95 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

bridgelux

LED	Vesta DTW 13mm (21W)
FWHM / FWTM	42.0° / 78.0°
Efficiency	90 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 491 Typ L8	

OPTICAL RESULTS (MEASURED):

bridgelux

LED	Vesta TW 6mm DP
FWHM / FWTM	50.0° / 73.0°
Efficiency	91 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 504 Typ L8	

SAMSUNG

LED	LC010T (Tunable White)
FWHM / FWTM	46.0° / 75.0°
Efficiency	94 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 501 Typ L8	

SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
FWHM / FWTM	45.0° / 84.0°
Efficiency	92 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17438_HEKLA-G2-I	

SEOUL SEMICONDUCTOR

LED	MJT COB LES 6
FWHM / FWTM	55.0° / 79.0°
Efficiency	95 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	

OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	MJT COB LES 9.8
FWHM / FWTM	49.0° / 79.0°
Efficiency	95 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	

TRIDONIC

LED	SLE G7 LES09
FWHM / FWTM	50.0° / 79.0°
Efficiency	95 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

OPTICAL RESULTS (SIMULATED):

bridgelux

LED	V13 Gen 8
FWHM / FWTM	47.0° / 83.0°
Efficiency	88 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	
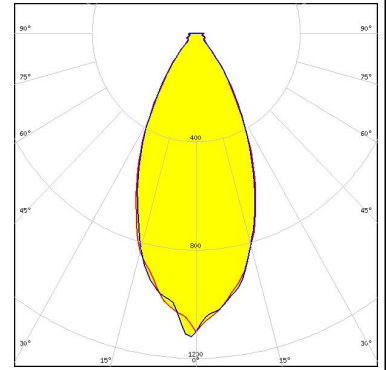
bridgelux

LED	V4 HD Gen 7
FWHM / FWTM	58.0° / 78.0°
Efficiency	85 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15253_HEKLA-SOCKET-A	
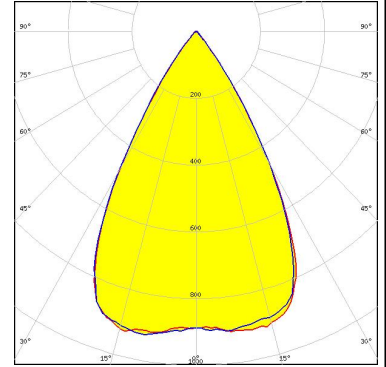
bridgelux

LED	V9 HD Gen 8
FWHM / FWTM	52.0° / 78.0°
Efficiency	91 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 633d Hekla	
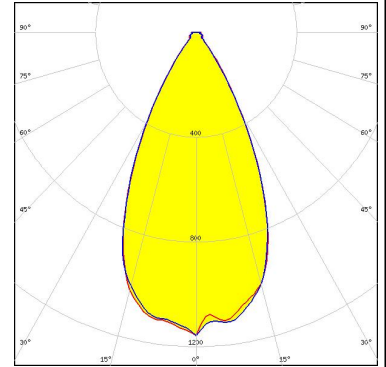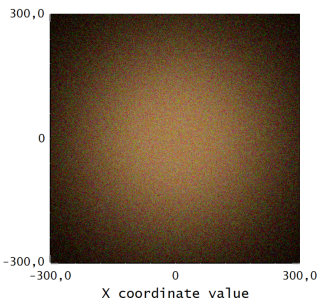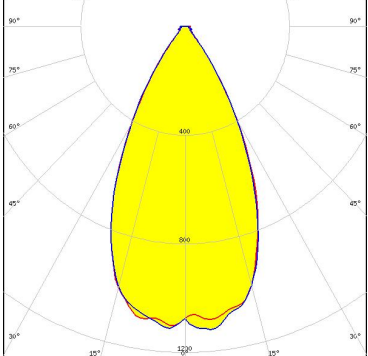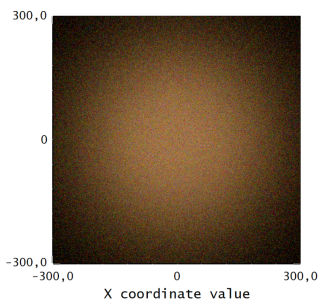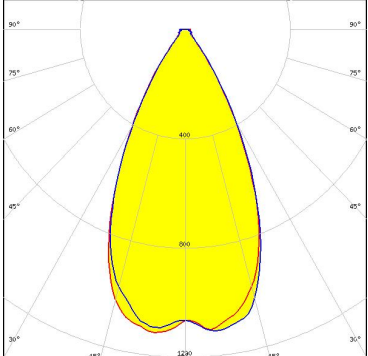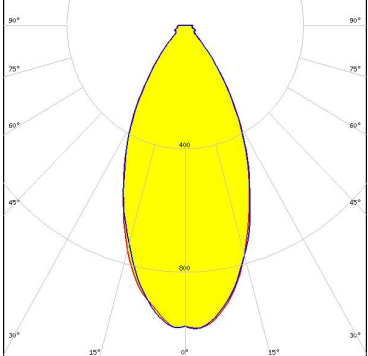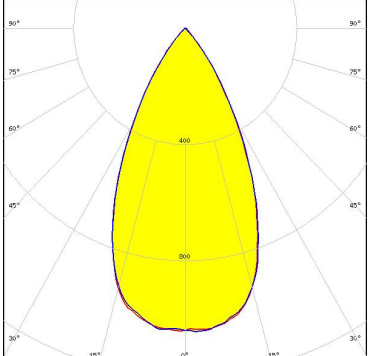
bridgelux

LED	Vero SE 13
FWHM / FWTM	38.0° / 74.0°
Efficiency	87 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	

OPTICAL RESULTS (SIMULATED):

bridgelux

LED	VERO10
FWHM / FWTM	53.0° / 80.0°
Efficiency	93 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15616_HEKLA-SOCKET-F	

bridgelux

LED	Vesta DTW 9mm (4W/6W/12W)
FWHM / FWTM	52.0° / 78.0°
Efficiency	92 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 490 Typ L8	

bridgelux

LED	Vesta TW 15mm DP
FWHM / FWTM	49.0° / 87.0°
Efficiency	87 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	52.0° / 80.0°
Efficiency	79 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

OPTICAL RESULTS (SIMULATED):

CITIZEN

LED	CLU700/701/702/703
FWHM / FWTM	57.0° / 78.0°
Efficiency	83 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	
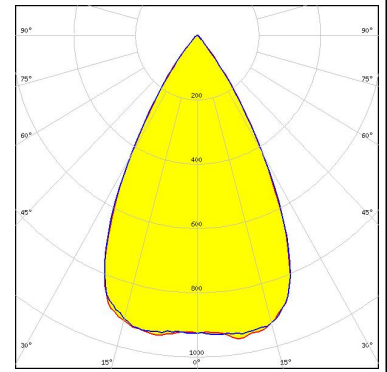
CITIZEN

LED	CLU712/713
FWHM / FWTM	54.0° / 82.0°
Efficiency	93 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17438_HEKLA-G2-I	

CREE LEDs
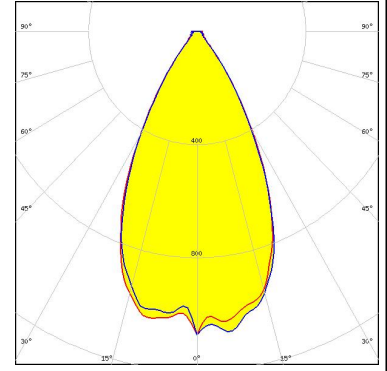
LED	CHA0304
FWHM / FWTM	60.0° / 78.0°
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	

CREE LEDs
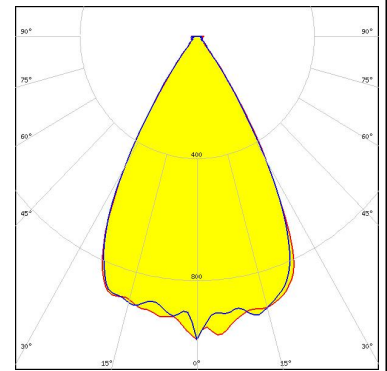
LED	CHA0410
FWHM / FWTM	59.0° / 80.0°
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	

OPTICAL RESULTS (SIMULATED):

CREE LEDs
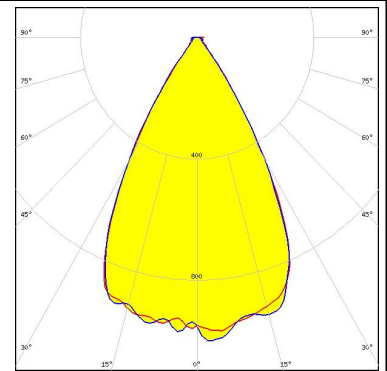
LED	CMA1825
FWHM / FWTM	52.0° / 84.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15254_HEKLA-SOCKET-B	

LED ENGIN
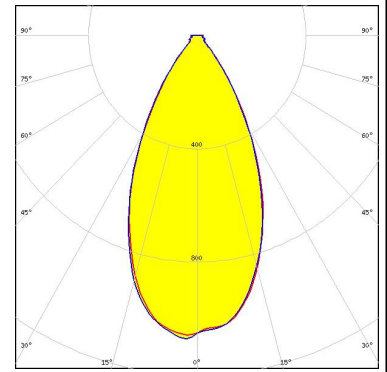
LED	LZ4 (00xW00)
FWHM / FWTM	59.0° / 78.0°
Efficiency	96 %
LEDs/each optic	1
Light colour	IR
Required components:	
F15255_HEKLA-SOCKET-C	

Polar intensity graph

LED ENGIN
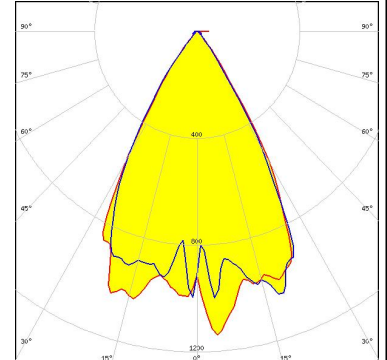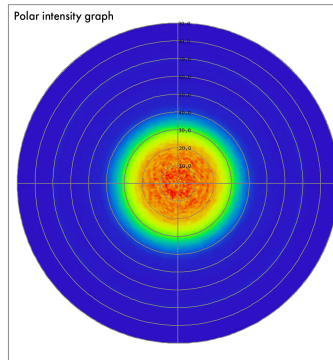
LED	LZ4-00XX08
FWHM / FWTM	52.0° / 70.0°
Efficiency	95 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	

NICHIA
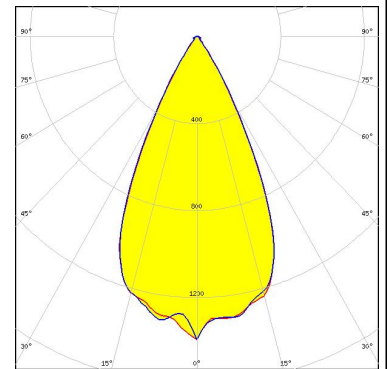
LED	COB S-Type (LES 7)
FWHM / FWTM	56.0° / 81.0°
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15848_HEKLA-SOCKET-G	
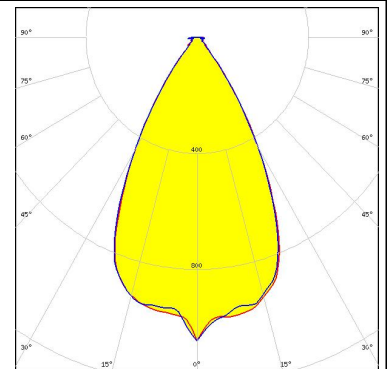
OPTICAL RESULTS (SIMULATED):

PHILIPS

LED	Fortimo SLM L09 CoB
FWHM / FWTM	46.0° / 74.0°
Efficiency	92 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
  F17437_HEKLA-G2-H
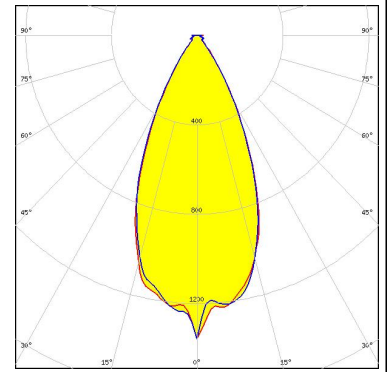
PHILIPS

LED	Fortimo SLM L13 CoB
FWHM / FWTM	48.0° / 81.0°
Efficiency	89 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
  Bender Wirth: 632a Hekla XL
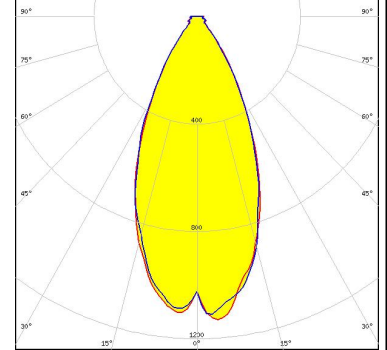
PHILIPS

LED	Fortimo SLM L15 CoB
FWHM / FWTM	44.0° / 82.0°
Efficiency	87 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
  Bender Wirth: 632a Hekla XL
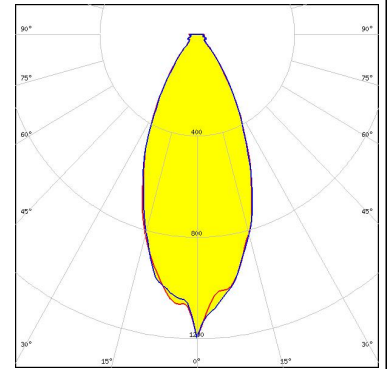
SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
FWHM / FWTM	51.0° / 79.0°
Efficiency	79 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
  F15255_HEKLA-SOCKET-C
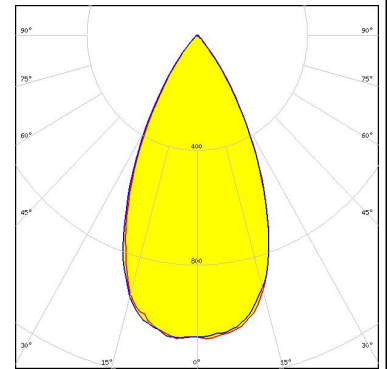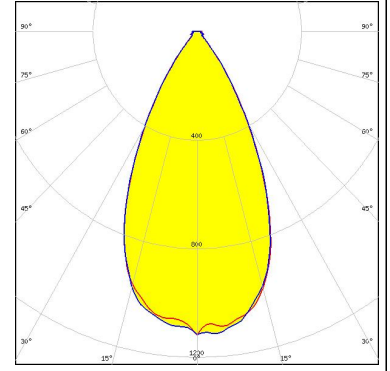
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LC020T (Tunable white)
FWHM / FWTM	52.0° / 84.0°
Efficiency	91 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	
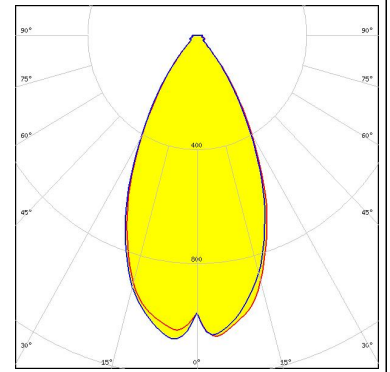
XICATO

LED	XOB 9.8 mm
FWHM / FWTM	52.0° / 80.0°
Efficiency	91 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	

XICATO

LED	XTM - 9mm LES
FWHM / FWTM	54.0° / 82.0°
Efficiency	93 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C15743_XTM-ADAPTER-50-B	