STELLA-HB-WWW

~100° very wide beam for warehouse and outdoor lighting. Compatible with up to 30 mm LES size COBs. Variant with black frame.

SPECIFICATION:

Dimensions	Ø 90.0 mm
Height	11.3 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish
STELLA-HB-WWW	Single lens	Silicone	clear	
STELLA-FRAME	Holder	PA66	black	
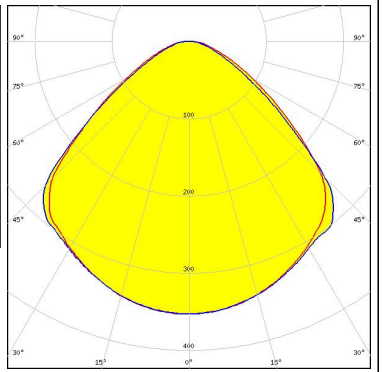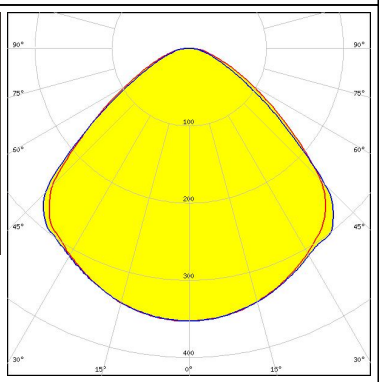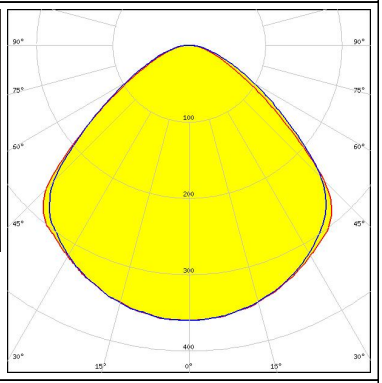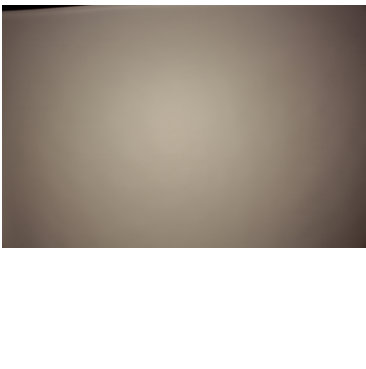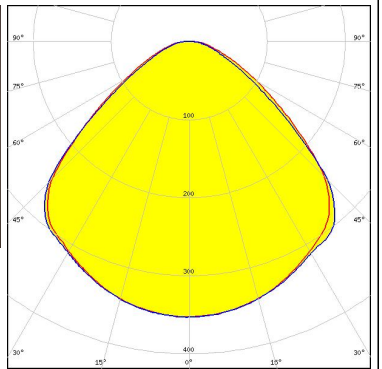
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN15264_STELLA-HB-WWW	Single lens	135	135	15	5.0

» Box size: 480 x 280 x 300 mm

Φ90

11.8

NOTE: Maximum recommended tightening torque for STELLA-FRAME is 0,4Nm

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F13322	STELLA-FRAME	PA	black
2	F15263	STELLA-HB-WWW	Silicone	Clear

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

THIRD ANGLE PROJECTION:

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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
FN15264_STELLA-HB-WWW

SIZE	PART NUMBER		
A3	FN15264		
SCALE 1:1	WEIGHT 29,44 g		SHEET 1/1

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

OPTICAL RESULTS (MEASURED):

bridgelux

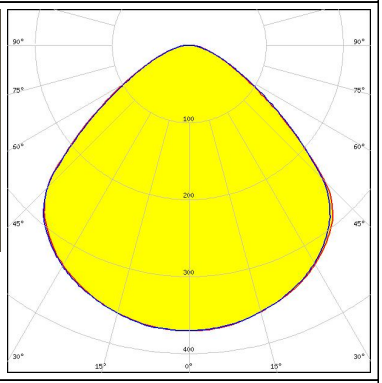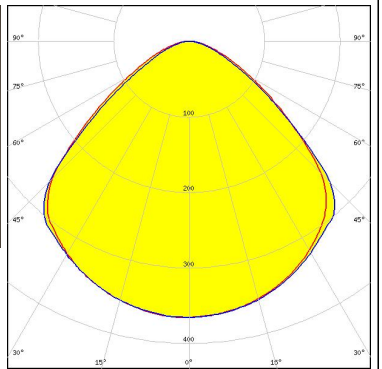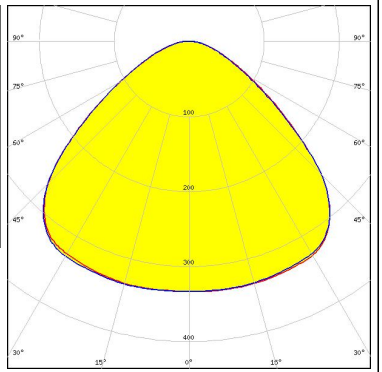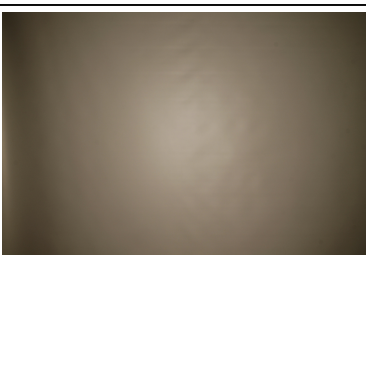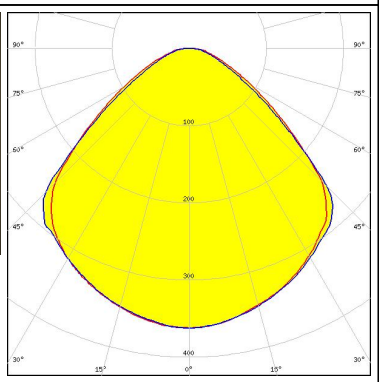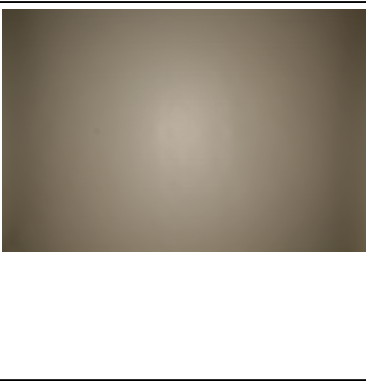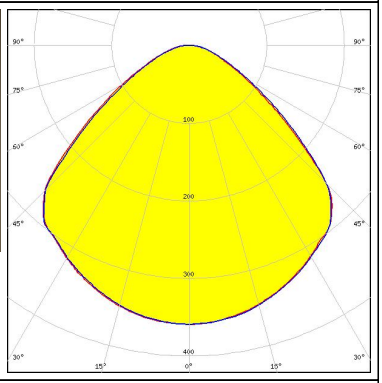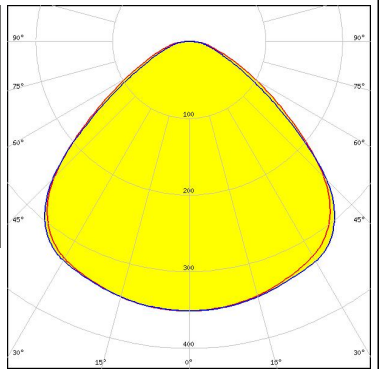|	
LED	V18 Gen7
FWHM / FWTM	102.0° / 145.0°
Efficiency	87 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
BJB: 47.319.2350	

bridgelux

LED	V18 Gen7
FWHM / FWTM	101.0° / 144.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

bridgelux

LED	V18 Gen7
FWHM / FWTM	102.0° / 144.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 439 Typ L3	

bridgelux

LED	V22 Gen7
FWHM / FWTM	102.0° / 147.0°
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 431 Typ Z1	

OPTICAL RESULTS (MEASURED):

bridgelux

LED	V22 Gen7
FWHM / FWTM	102.0° / 146.0°
Efficiency	92 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
TE Connectivity: 2213480-1	

bridgelux

LED	V22 Gen7
FWHM / FWTM	101.0° / 147.0°
Efficiency	87 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

bridgelux

LED	Vero SE 13
FWHM / FWTM	101.0° / 142.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

bridgelux

LED	Vero SE 18
FWHM / FWTM	101.0° / 144.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (MEASURED):

bridgelux		
LED	Vero SE 29	
FWHM / FWTM	105.0° / 149.0°	
Efficiency	92 %	
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		

bridgelux		
LED	VERO13	
FWHM / FWTM	100.0° / 145.0°	
Efficiency	88 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		

bridgelux		
LED	VERO18	
FWHM / FWTM	102.0° / 144.0°	
Efficiency	89 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		

bridgelux		
LED	VERO29	
FWHM / FWTM	103.0° / 148.0°	
Efficiency	91 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		

OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	100.0° / 142.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
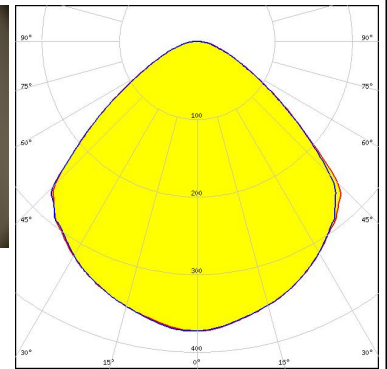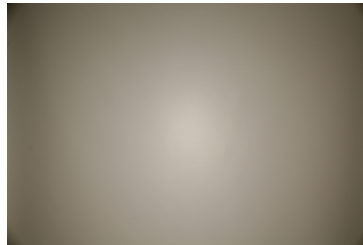
CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	100.0° / 143.0°
Efficiency	92 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	
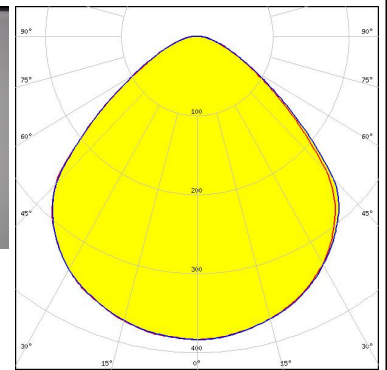
CITIZEN
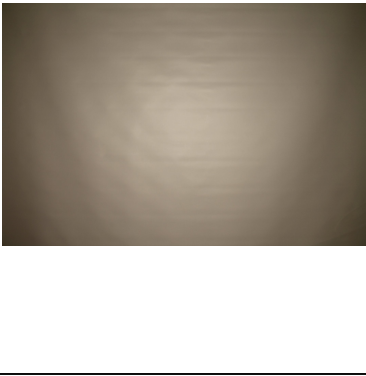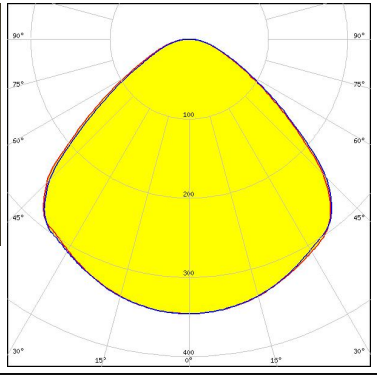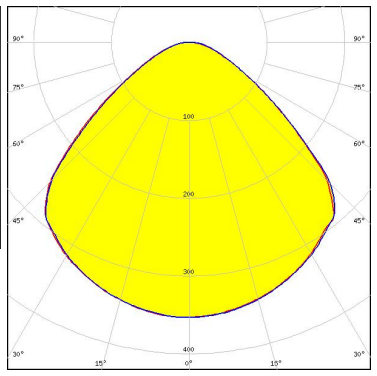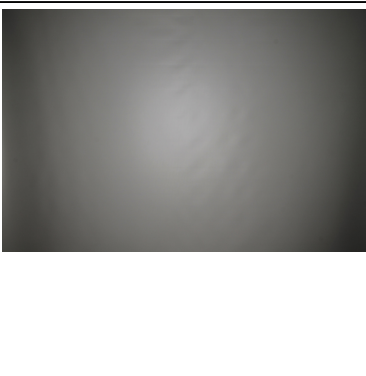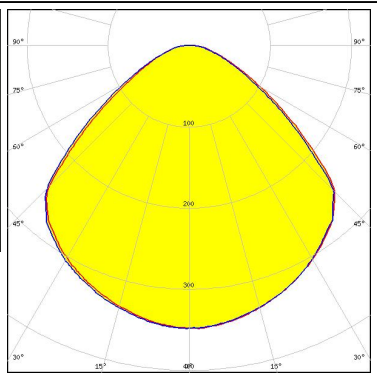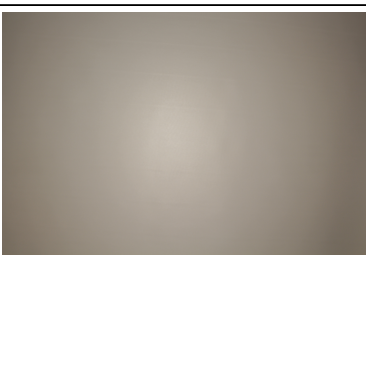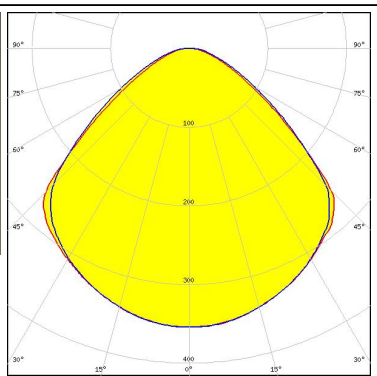
LED	CLL04x/CLU04x
FWHM / FWTM	102.0° / 144.0°
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
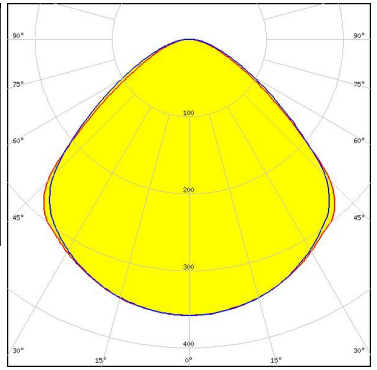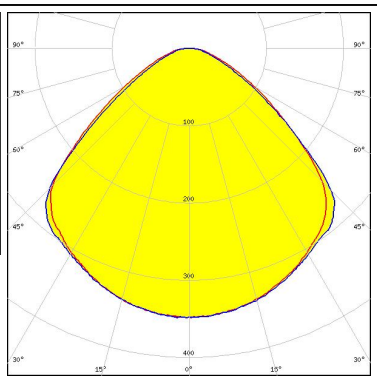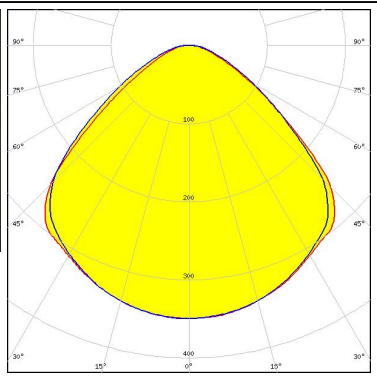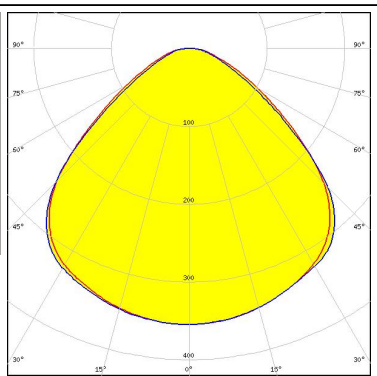
CREE LEDs
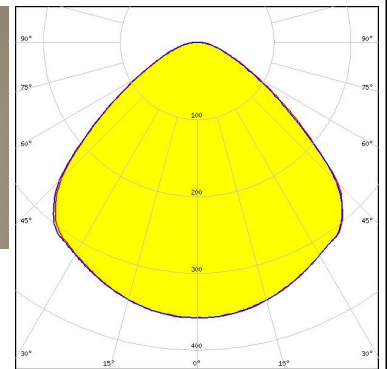
LED	CMA2550
FWHM / FWTM	102.0° / 145.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
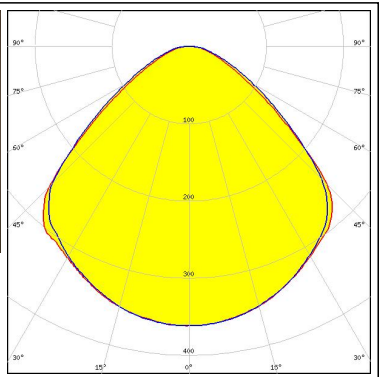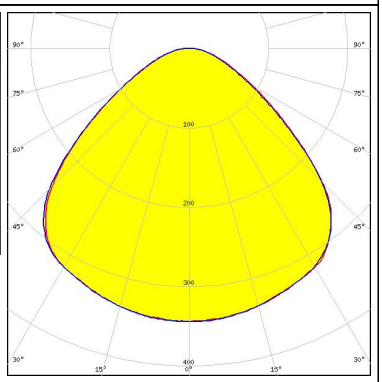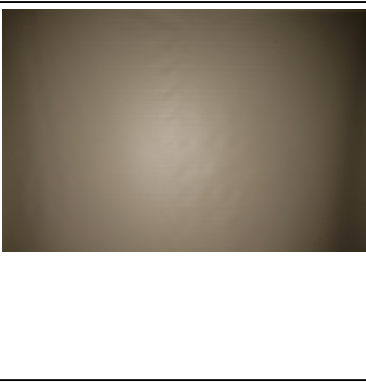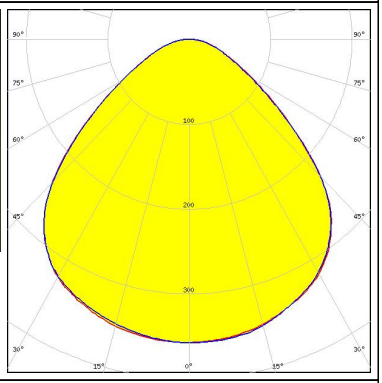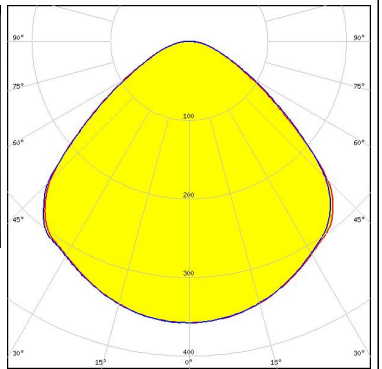
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	CMA3090
FWHM / FWTM	102.0° / 147.0°
Efficiency	88 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	CMT19xx
FWHM / FWTM	101.0° / 145.0°
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 477 Typ Z1	

CREE LEDs

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM	102.0° / 146.0°
Efficiency	87 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	CXA/B 1830
FWHM / FWTM	102.0° / 145.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C14305_STELLA-CLAMP-CXA15-18	
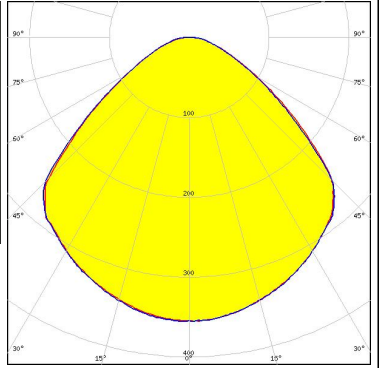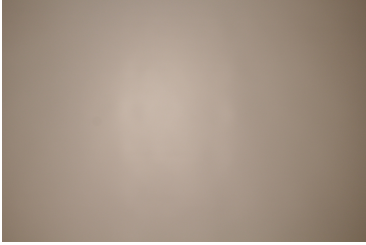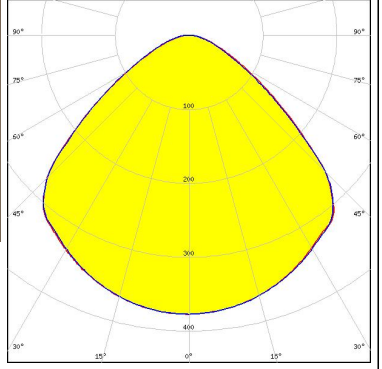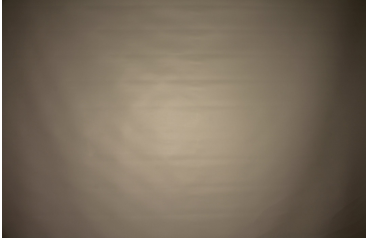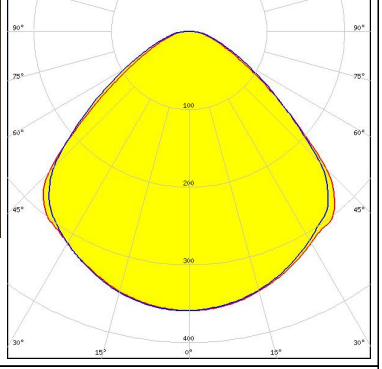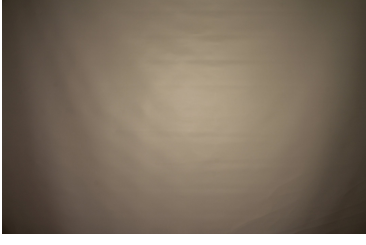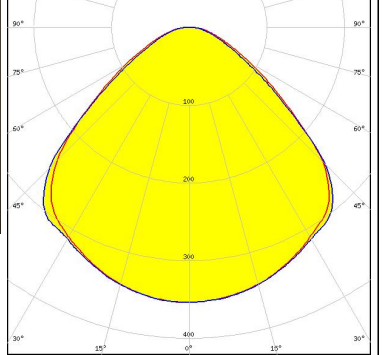
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	CXA/B 25xx
FWHM / FWTM	101.0° / 145.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 439 Typ L3	

CREE LEDs

LED	CXA/B 25xx
FWHM / FWTM	102.0° / 144.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	CXA/B 30xx
FWHM / FWTM	102.0° / 144.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	CXA/B 3590
FWHM / FWTM	102.0° / 147.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON CoB 1211
FWHM / FWTM	101.0° / 144.0°
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 431 Typ L3	

LUMILEDS

LED	LUXEON CoB 1321
FWHM / FWTM	102.0° / 149.0°
Efficiency	89 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON CoB 1825
FWHM / FWTM	100.0° / 147.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	COB H-Type
FWHM / FWTM	101.0° / 146.0°
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (MEASURED):

NICHIA

LED	COB J-Type
FWHM / FWTM	102.0° / 145.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHILIPS

LED	Fortimo SLM L19 + SLM holder (PI)
FWHM / FWTM	101.0° / 142.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHILIPS

LED	Fortimo SLM L19 CoB
FWHM / FWTM	100.0° / 144.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 431 Typ Z1	

PHILIPS

LED	Fortimo SLM L23 CoB
FWHM / FWTM	100.0° / 145.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 431 Typ Z1	

OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LC040D / LC060D / LC080D
FWHM / FWTM	102.0° / 144.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
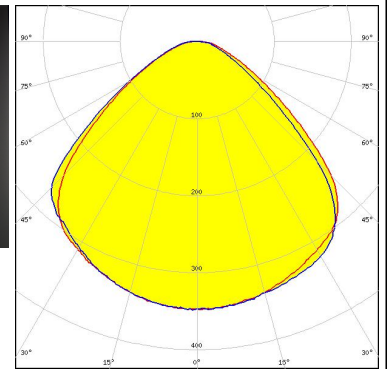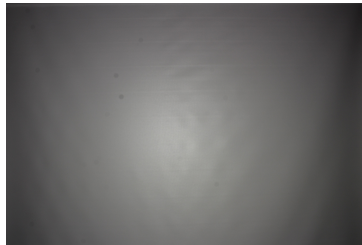
SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
FWHM / FWTM	101.0° / 141.0°
Efficiency	87 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
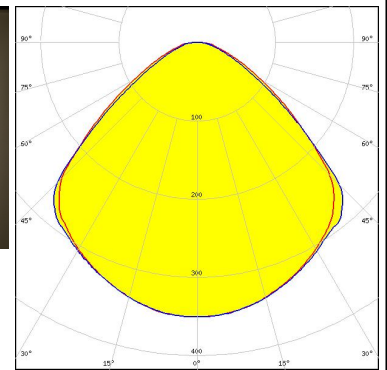
SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
FWHM / FWTM	101.0° / 145.0°
Efficiency	90 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 433 Typ Z1	
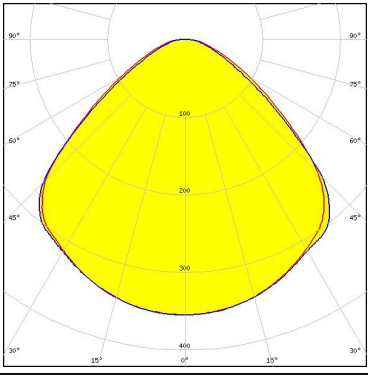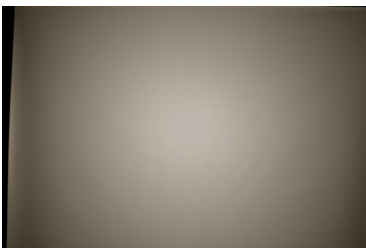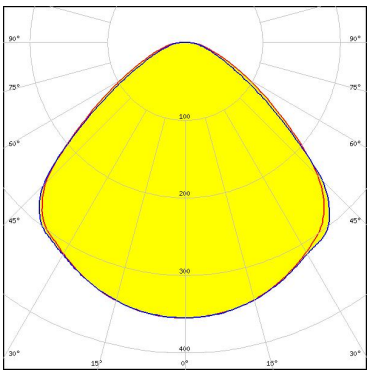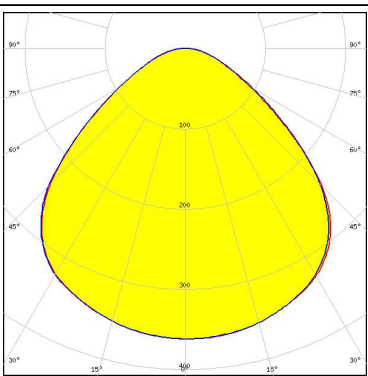
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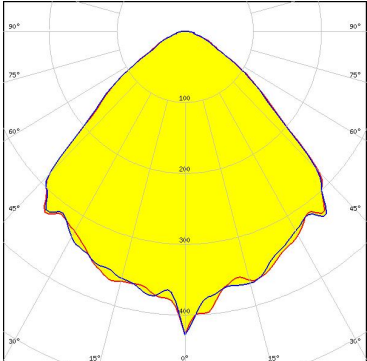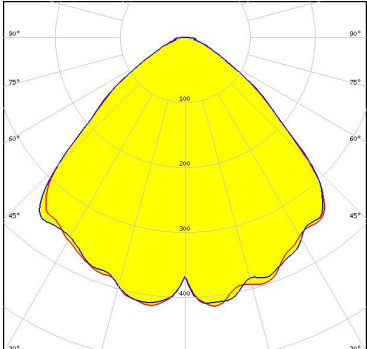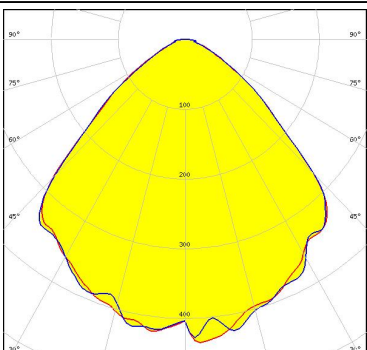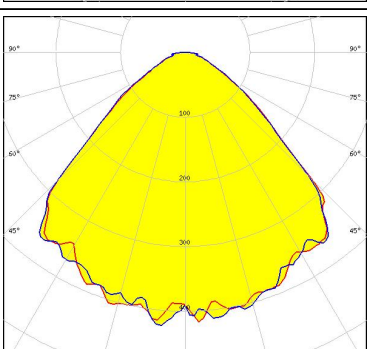
LED	MJT COB LES 22
FWHM / FWTM	101.0° / 146.0°
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
IDEAL: 50-2204CT	

OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR	
LED	MJT COB LES 22
FWHM / FWTM	101.0° / 145.0°
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 431 Typ Z1	

SEOUL SEMICONDUCTOR	
LED	MJT COB LES 22
FWHM / FWTM	101.0° / 145.0°
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 431 Typ Z1	

SEOUL SEMICONDUCTOR	
LED	MJT COB LES 22
FWHM / FWTM	101.0° / 146.0°
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
IDEAL: 50-2204CT	

SEOUL SEMICONDUCTOR	
LED	MJT COB LES 33
FWHM / FWTM	101.0° / 147.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 458 Typ L4	

OPTICAL RESULTS (SIMULATED):

bridgelux

LED	V10 Gen7
FWHM / FWTM	95.0° / 132.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
　Bender Wirth: 486 Typ L1

bridgelux

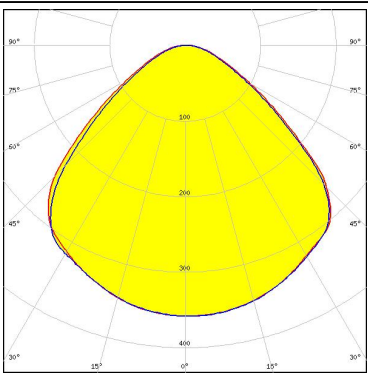|	
LED	V13 Gen7
FWHM / FWTM	94.0° / 132.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
　Bender Wirth: 477 Typ Z1

bridgelux

LED	V13 Gen7
FWHM / FWTM	94.0° / 130.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

bridgelux

LED	V22 Gen7
FWHM / FWTM	96.0° / 132.0°
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
　IDEAL: 50-2204CT

OPTICAL RESULTS (SIMULATED):

bridgelux		
LED	Vesta TW 13mm (18W) DP	
FWHM / FWTM	96.0° / 131.0°	
Efficiency	88 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	
Required components:		

bridgelux		
LED	Vesta TW 18mm (31W) DP	
FWHM / FWTM	96.0° / 130.0°	
Efficiency	89 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	
Required components:		

bridgelux		
LED	Vesta TW 22mm DP	
FWHM / FWTM	96.0° / 130.0°	
Efficiency	88 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	
Required components:		

bridgelux		
LED	Vesta TW 29mm DP	
FWHM / FWTM	96.0° / 131.0°	
Efficiency	88 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	
Required components:		

OPTICAL RESULTS (SIMULATED):

CITIZEN

LED	CLL03x/CLU03x
FWHM / FWTM	98.0° / 133.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
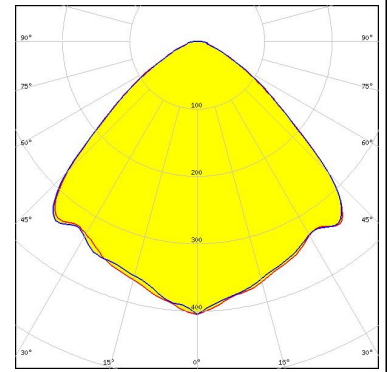
CITIZEN

LED	CLL05x/CLU05x
FWHM / FWTM	97.0° / 137.0°
Efficiency	87 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
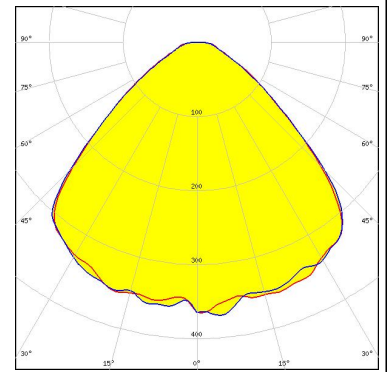
CREE LEDs

LED	CMT28xx
FWHM / FWTM	99.0° / 132.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
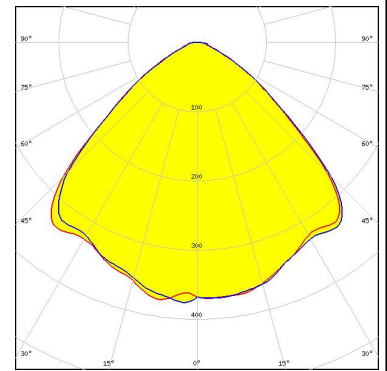
LITEON

LED	LTPL-G35UV275GR-E
FWHM / FWTM	92.0° / 127.0°
Efficiency	71 %
LEDs/each optic	13
Light colour	UV-C
Required components:	
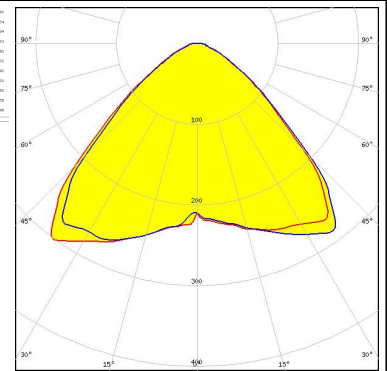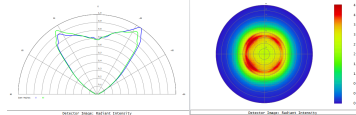
The UVC LED result tolerance is ±10 %

OPTICAL RESULTS (SIMULATED):

LITEON

LED	LTPL-G35UV275GR-E
FWHM / FWTM	92.0° / 129.0°
Efficiency	70 %
LEDs/each optic	3
Light colour	UV-C
Required components:	

The UVC LED result tolerance is ±10 %
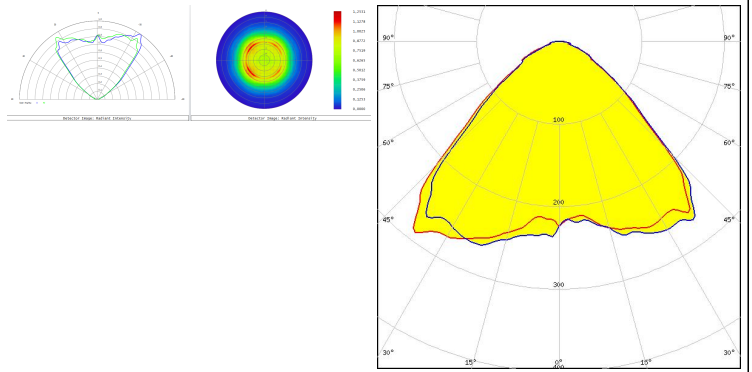
LITEON

LED	LTPL-G35UV275GR-E
FWHM / FWTM	92.0° / 129.0°
Efficiency	70 %
LEDs/each optic	4
Light colour	UV-C
Required components:	

The UVC LED result tolerance is ±10 %
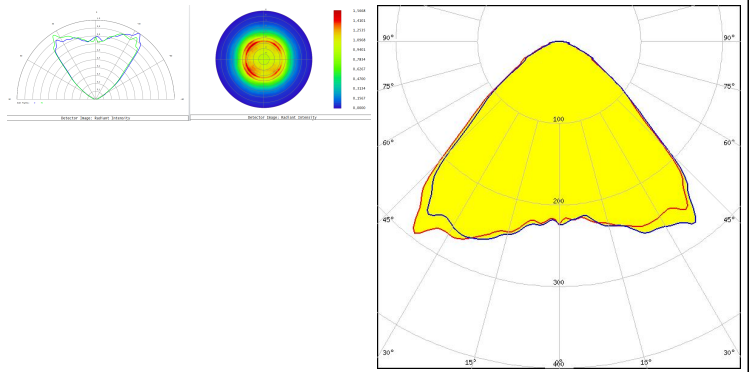
LUMILEDS

LED	LUXEON CoB 1213/1216/1812
FWHM / FWTM	99.0° / 136.0°
Efficiency	91 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 431 Typ L4	
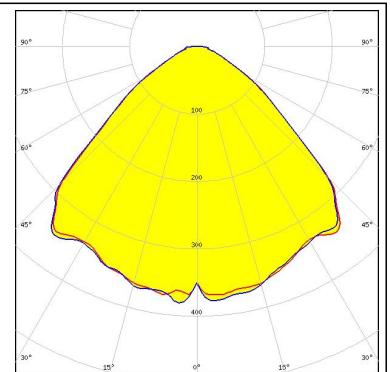
LUMINUS

LED	XBT-3535-UV
FWHM / FWTM	100.0° / 127.0°
Efficiency	70 %
LEDs/each optic	1
Light colour	UV-C
Required components:	

The UVC LED result tolerance is ±10 %
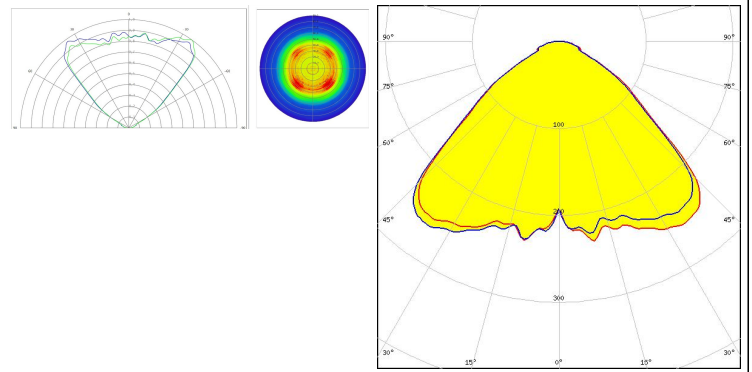
OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NCSU334A
FWHM / FWTM	93.0° / 122.0°
Efficiency	73 %
LEDs/each optic	1
Light colour	UV-A
Required components:	

PHILIPS

LED	Fortimo SLM L13 CoB
FWHM / FWTM	98.0° / 132.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SEOUL SEMICONDUCTOR

LED	CUD8AF1D
FWHM / FWTM	100.0° / 141.0°
Efficiency	69 %
LEDs/each optic	16
Light colour	UV-C
Required components:	

The UVC LED result tolerance is ±10 %

SEOUL SEMICONDUCTOR

LED	WICOP DY9560-27
FWHM / FWTM	92.0° / 129.0°
Efficiency	66 %
LEDs/each optic	24
Light colour	UV-C
Required components:	

The UVC LED result tolerance is ±10 %

OPTICAL RESULTS (SIMULATED):

TRIDONIC

LED	SLE G7 LES21
FWHM / FWTM	96.0° / 132.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	