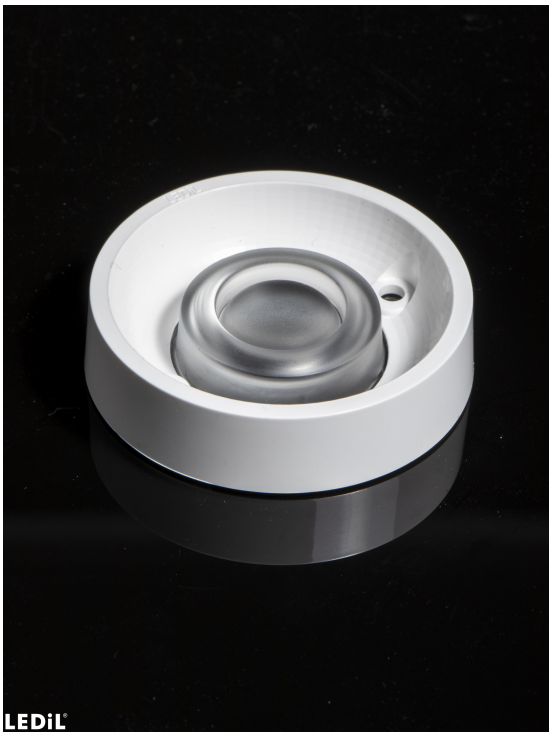
SAGA-HB-IP-WHT

~60° high bay beam



SPECIFICATION:

Dimensions	Ø 50.0 mm
Height	12 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes

MATERIALS:

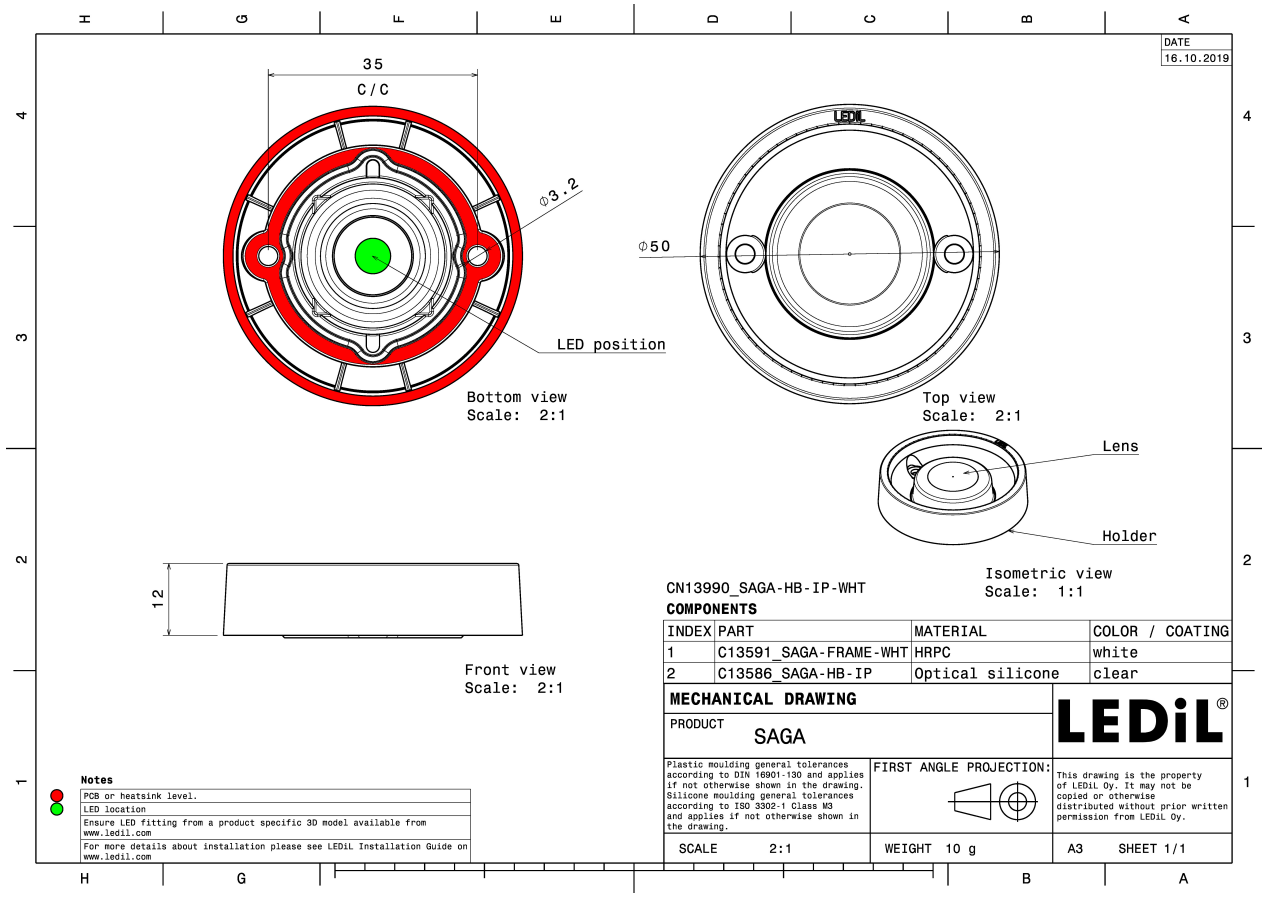
Component	Type	Material	Colour	Finish	Length
C13586_SAGA-HB-IP	Single lens	Silicone	clear		37.0
C13591_SAGA-FRAME-WHT	Holder	HRPC	white		50.0

ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C13586_SAGA-HB-IP » Box size: 480 x 280 x 300 mm	Single lens	650	52	26	4.7
C13591_SAGA-FRAME-WHT » Box size: 480 x 280 x 300 mm	Holder	900	52	26	6.5



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

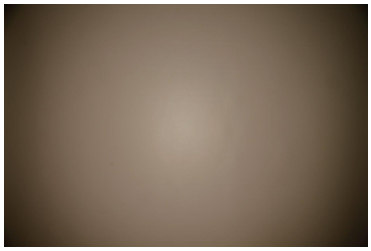
OPTICAL RESULTS (MEASURED):

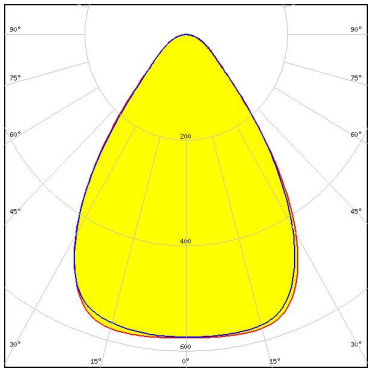
bridgelux

LED	V10 Gen6
FWHM / FWTM	58.0° / 106.0°
Efficiency	89 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

bridgelux

LED	V6 Gen6
FWHM / FWTM	73.0° / 115.0°
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

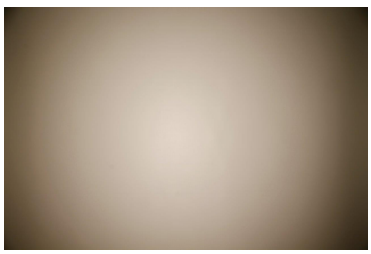


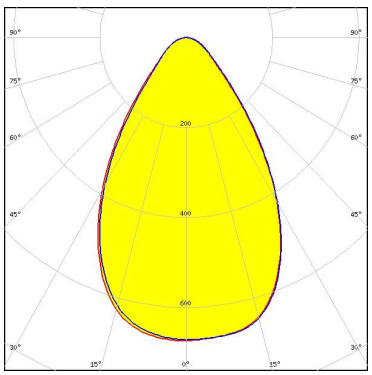


Light distribution files

bridgelux

LED	V8 Gen6
FWHM / FWTM	66.0° / 109.0°
Efficiency	88 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



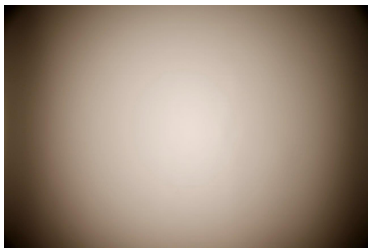


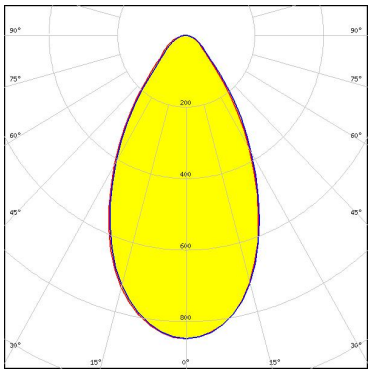
Light distribution files

OPTICAL RESULTS (MEASURED):

bridgelux

LED	VERO10
FWHM / FWTM	58.0° / 101.0°
Efficiency	92 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

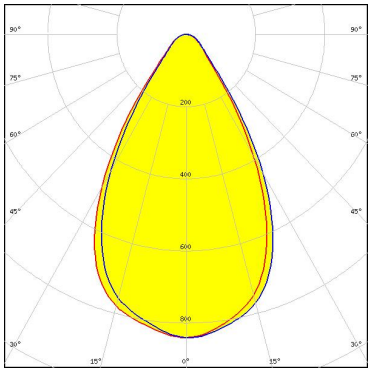




Light distribution files

CITIZEN

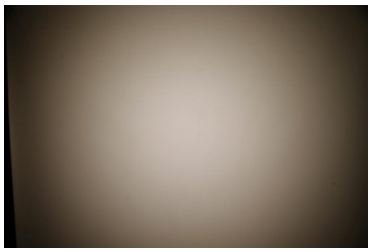
LED	CLL01x
FWHM / FWTM	61.0° / 93.0°
Efficiency	92 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

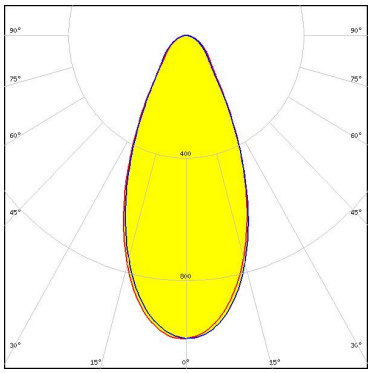


Light distribution files

CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	47.0° / 95.0°
Efficiency	86 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 434 Typ L6	



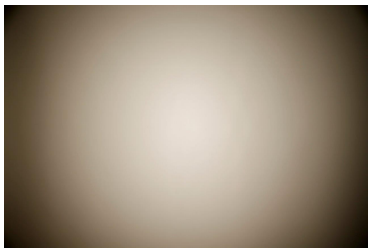


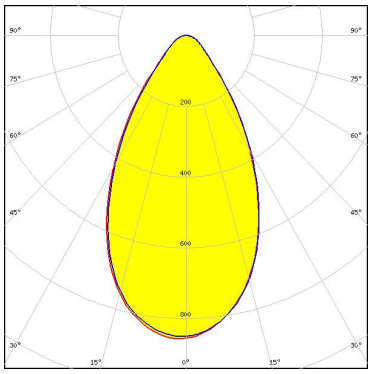
Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	58.0° / 98.0°
Efficiency	91 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

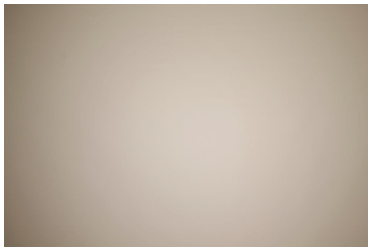


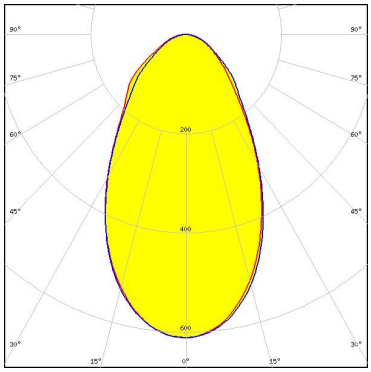


Light distribution files

CITIZEN

LED	CLL03x/CLU03x
FWHM / FWTM	61.0° / 125.0°
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 433 Typ L6	

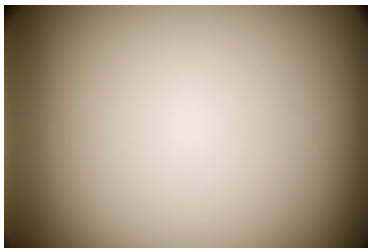


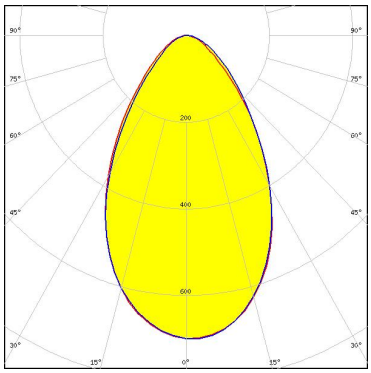


Light distribution files

CITIZEN

LED	CLL03x/CLU03x
FWHM / FWTM	64.0° / 116.0°
Efficiency	92 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



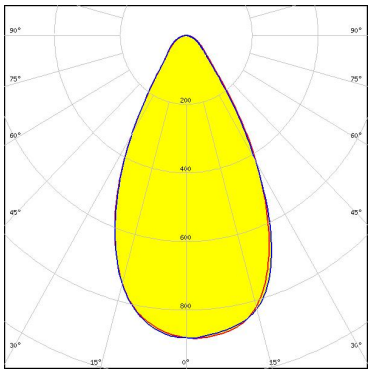


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

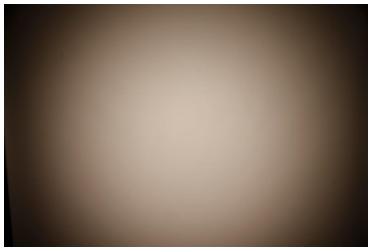
LED	CLU700/701/702/703
FWHM / FWTM	56.0° / 90.0°
Efficiency	87 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

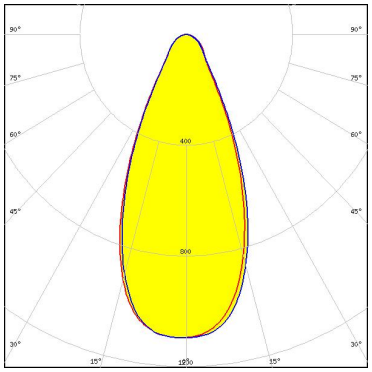


Light distribution files

CITIZEN

LED	CLU700/701/702/703
FWHM / FWTM	46.0° / 82.0°
Efficiency	86 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 434 Typ L6	

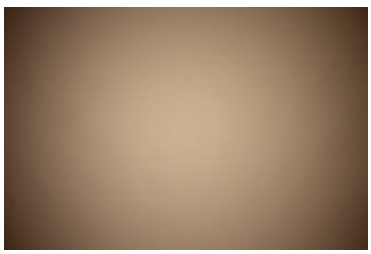


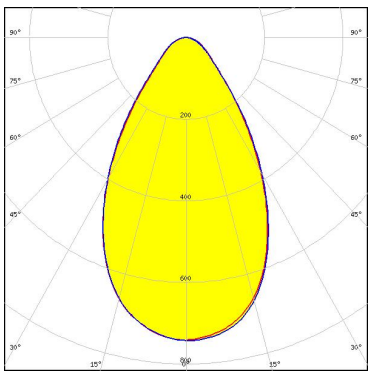


Light distribution files

CITIZEN

LED	CLU710/711
FWHM / FWTM	62.0° / 107.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



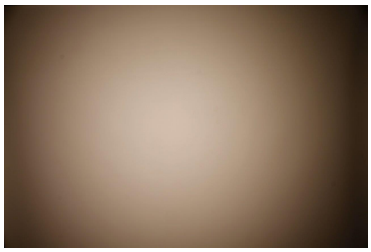


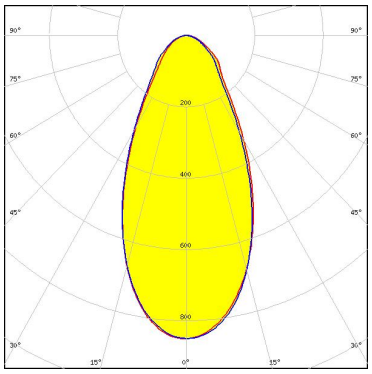
Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLU720/721/723
FWHM / FWTM	50.0° / 109.0°
Efficiency	85 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 433 Typ L6	

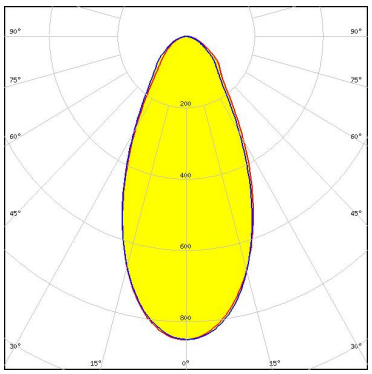




Light distribution files

CITIZEN

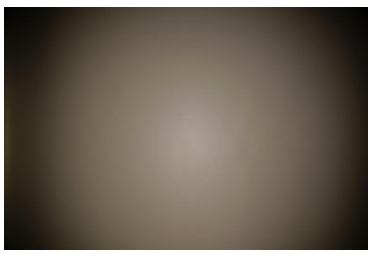
LED	CLU720/721/723
FWHM / FWTM	61.0° / 113.0°
Efficiency	89 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

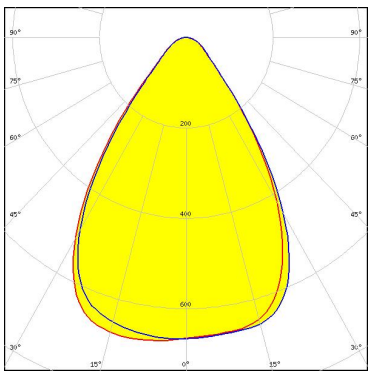


Light distribution files

CREE LEDs

LED	CXA/B 13xx
FWHM / FWTM	70.0° / 104.0°
Efficiency	92 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



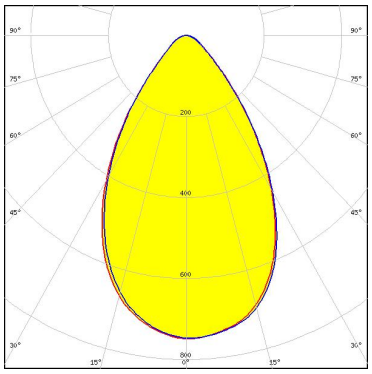


Light distribution files

OPTICAL RESULTS (MEASURED):

CREE LEDs

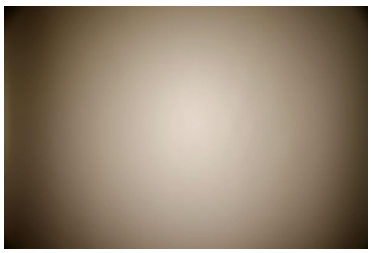
LED	CXA/B 15xx
FWHM / FWTM	64.0° / 102.0°
Efficiency	90 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

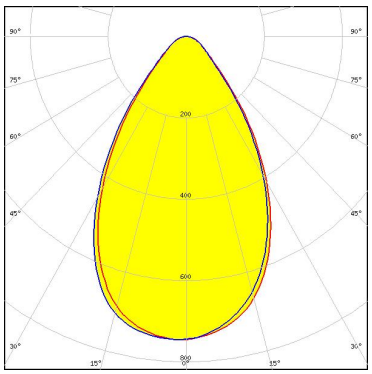


Light distribution files

CREE LEDs

LED	CXA/B 15xx
FWHM / FWTM	64.0° / 104.0°
Efficiency	92 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

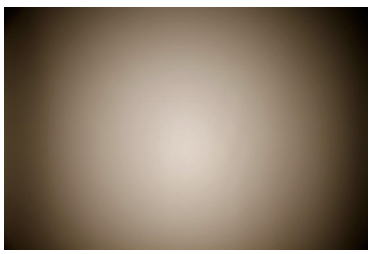


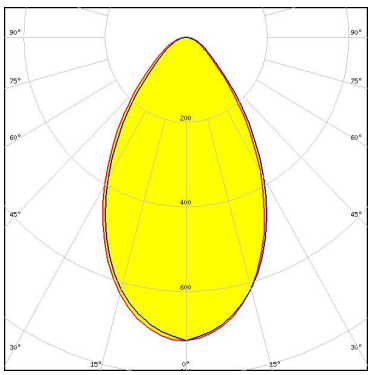


Light distribution files

CREE LEDs

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM	63.0° / 111.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



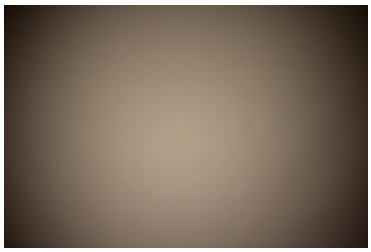


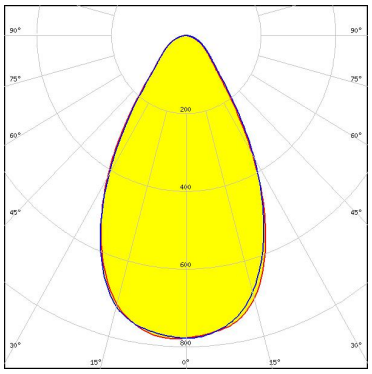
Light distribution files

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	MHD-E/G
FWHM / FWTM	60.0° / 105.0°
Efficiency	90 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

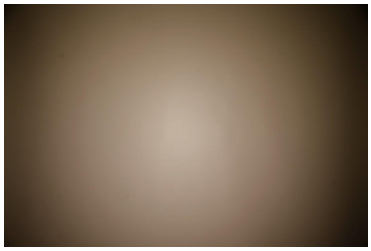


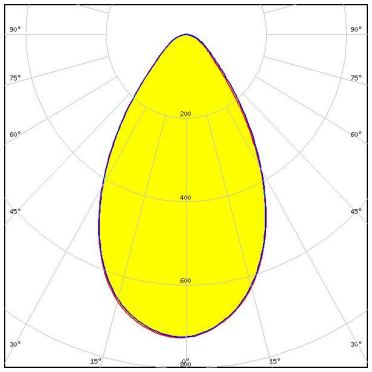


Light distribution files

LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM / FWTM	63.0° / 108.0°
Efficiency	89 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

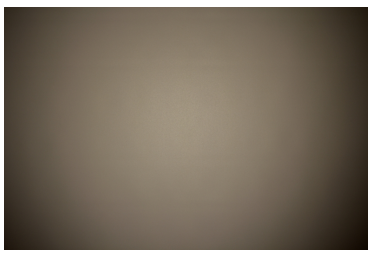




Light distribution files

LUMILEDS

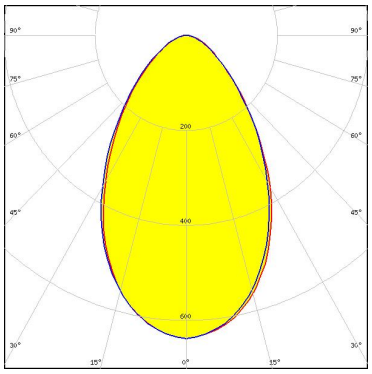
LED	LUXEON CoB 1202s
FWHM / FWTM	67.0° / 106.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



OPTICAL RESULTS (MEASURED):

LUMINUS

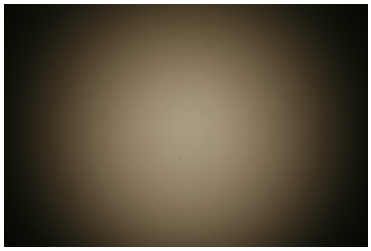
LED	CxM-14 (19x19)
FWHM / FWTM	66.0° / 121.0°
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

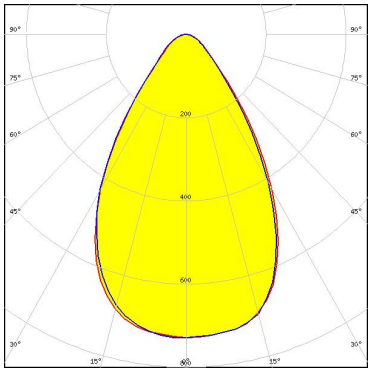


Light distribution files

LUMINUS

LED	CxM-6 (12x13)
FWHM / FWTM	66.0° / 104.0°
Efficiency	89 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

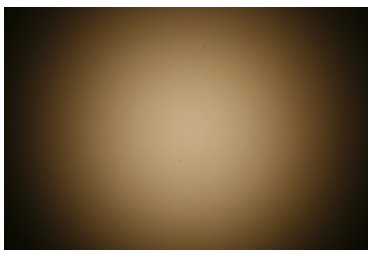


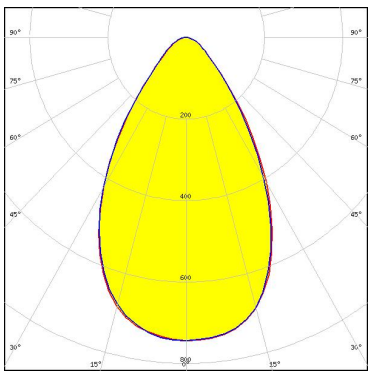


Light distribution files

LUMINUS

LED	CXM-7 (13x13)
FWHM / FWTM	64.0° / 105.0°
Efficiency	89 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



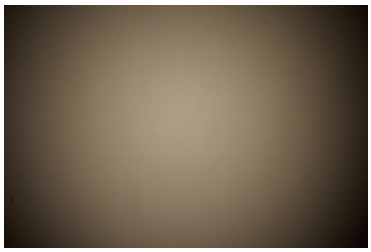


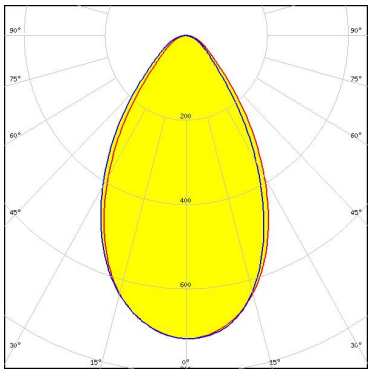
Light distribution files

OPTICAL RESULTS (MEASURED):

LUMINUS

LED	CxM-9 (13.5x13.5)
FWHM / FWTM	63.0° / 109.0°
Efficiency	88 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

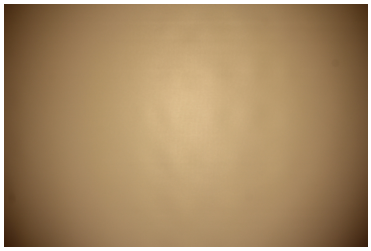




Light distribution files

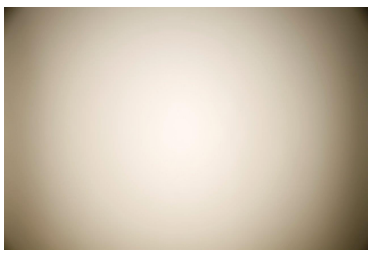
OSRAM
Opto Semiconductors

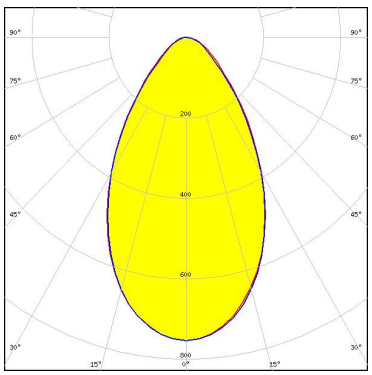
LED	Duris S10
FWHM / FWTM	74.0° / 106.0°
Efficiency	91 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



OSRAM
Opto Semiconductors

LED	Soleriq S13
FWHM / FWTM	61.0° / 110.0°
Efficiency	91 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



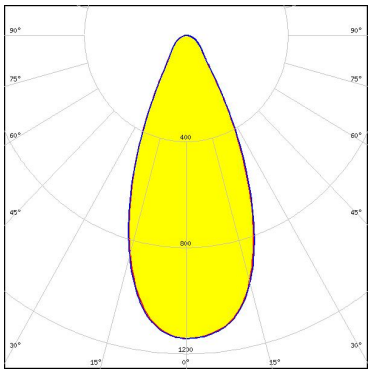


Light distribution files

OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

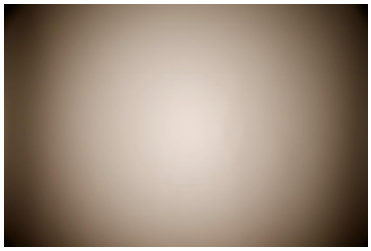
LED	MJT COB LES 6
FWHM / FWTM	46.0° / 79.0°
Efficiency	87 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 434 Typ L6	

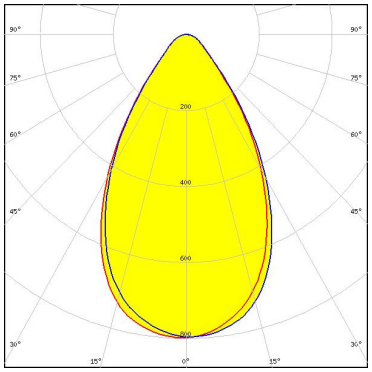


Light distribution files

SHARP

LED	Mini Zenigata (GW6BM)
FWHM / FWTM	62.0° / 100.0°
Efficiency	92 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON CoB Compact
FWHM / FWTM	67.0° / 106.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

LUMINUS

LED	CxM-14 (19x19)
FWHM / FWTM	61.0° / 125.0°
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 433 Typ L6

LUMINUS

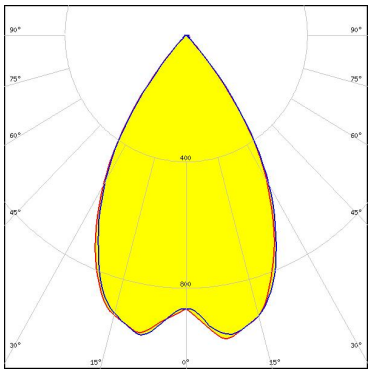
LED	CxM-9 (13.5x13.5)
FWHM / FWTM	47.0° / 95.0°
Efficiency	86 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 434 Typ L6

OPTICAL RESULTS (SIMULATED):

NICHIA

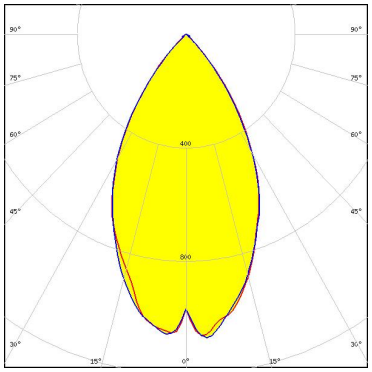
LED	COB S-Type (LES 7)
FWHM / FWTM	64.0° / 84.0°
Efficiency	95 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	Soleriq S9
FWHM / FWTM	56.0° / 87.0°
Efficiency	93 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

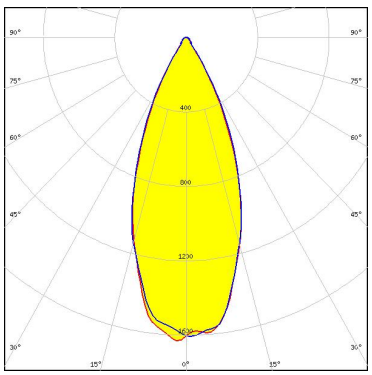


Light distribution files

SAMSUNG

LED	LC020C
FWHM / FWTM	42.0° / 66.0°
Efficiency	87 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 479 Typ L6



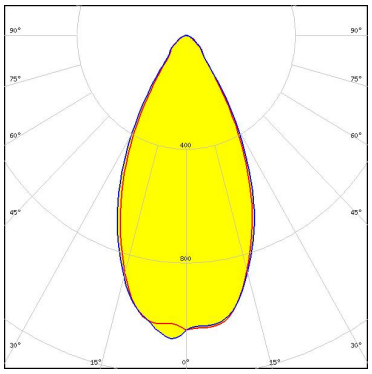
Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LC040C
FWHM / FWTM	51.0° / 81.0°
Efficiency	87 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 480 Typ L6



Light distribution files

SEOUL SEMICONDUCTOR

LED	ZC12/18
FWHM / FWTM	61.0° / 125.0°
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 433 Typ L6

SEOUL SEMICONDUCTOR

LED	ZC4/6
FWHM / FWTM	47.0° / 95.0°
Efficiency	86 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 434 Typ L6

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:

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