

MIRELLA-50-W-PF

~40° wide beam



TECHNICAL SPECIFICATIONS:

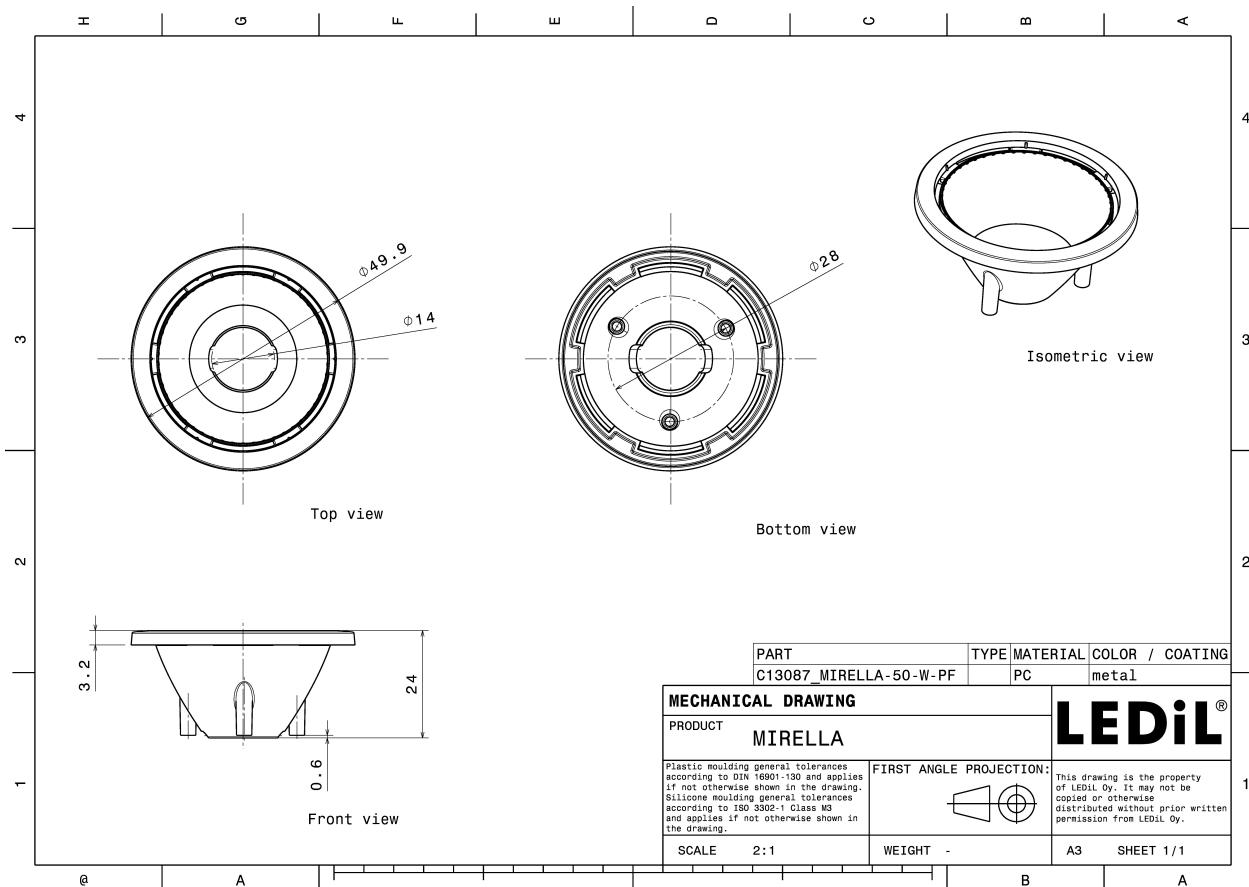
Dimensions	Ø 49.9 mm
Height	24 mm
Fastening	socket
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish	Coating
MIRELLA-50-W-PF	Reflector	PC	metal		lacquer

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13087_MIRELLA-50-W-PF	336	112	28	2.8
» Box size: 480 x 280 x 300 mm				

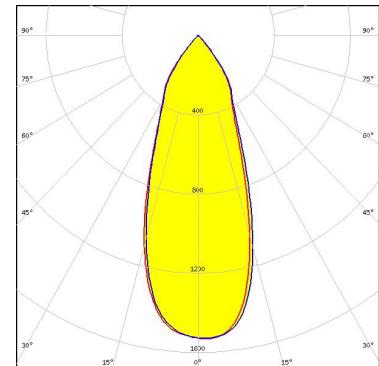
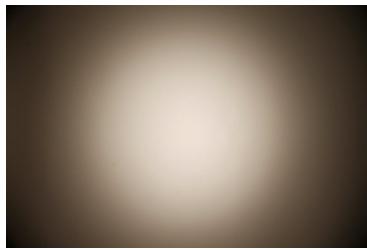


See also our general installation guide: www.ledil.com/installation_guide

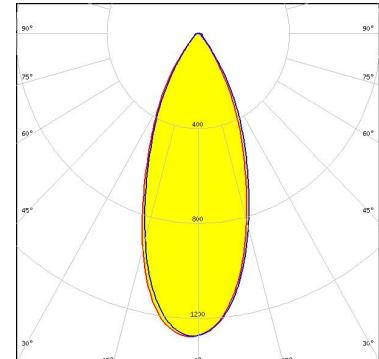
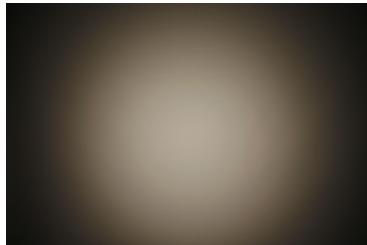
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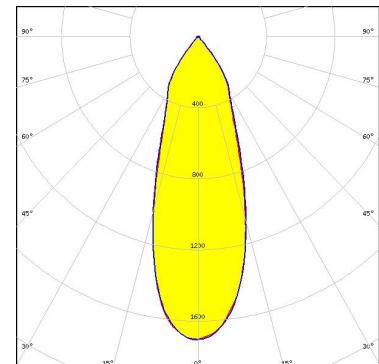
LED V10 Gen6
FWHM 39.0°
Efficiency 86 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14115_PF-SOCKET-CXA15-18



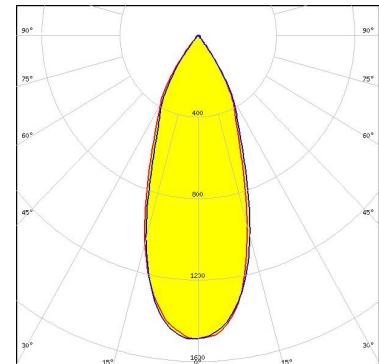
LED V10 Gen7
FWHM 40.0°
Efficiency 77 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL



LED V10 Gen7
FWHM 35.0°
Efficiency 84 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18



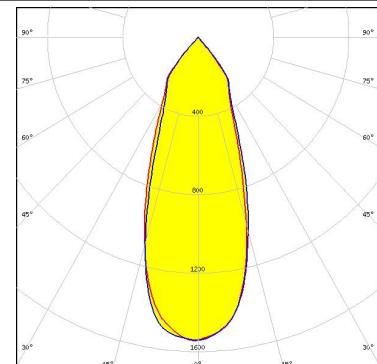
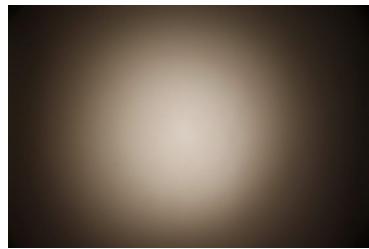
LED V10 Gen7
FWHM 39.0°
Efficiency 79 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL



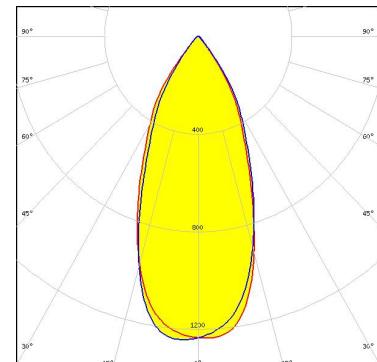
PHOTOMETRIC DATA (MEASURED):



LED V6 Gen6
FWHM 39.0°
Efficiency 87 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13761_PF-SOCKET-CXA15



LED V6 Gen6
FWHM 44.0°
Efficiency 81 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



LED V6 Gen6
FWHM 31.0°
Efficiency 74 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 460 Typ L1



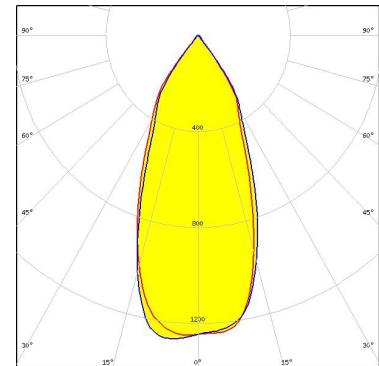
LED V6 Gen6
FWHM 27.0°
Efficiency 82 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 460 Typ L1



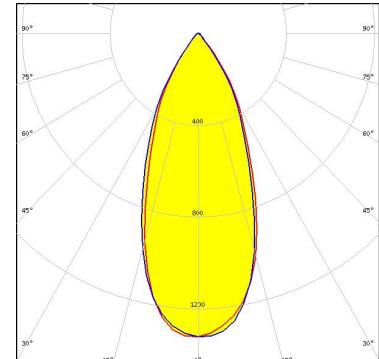
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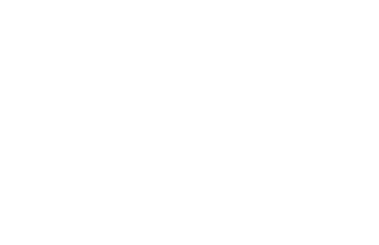
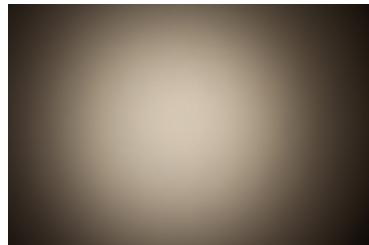
LED V6 Gen6
FWHM 44.0°
Efficiency 81 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



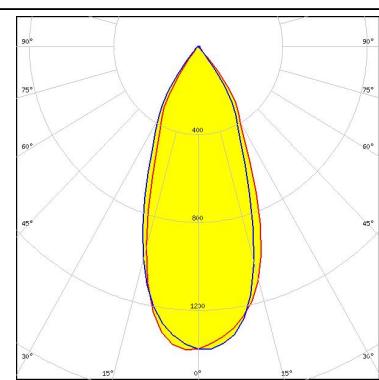
LED V8 Gen6
FWHM 43.0°
Efficiency 82 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



LED V8 Gen6
FWHM 36.0°
Efficiency 73 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 460 Typ L1



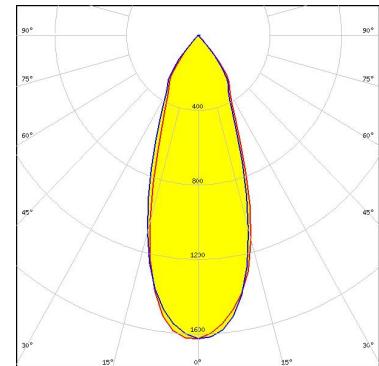
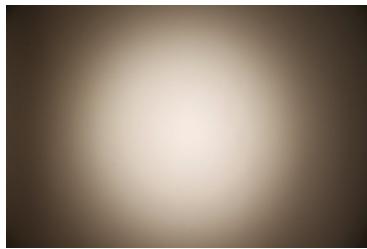
LED V8 Gen6
FWHM 42.0°
Efficiency 82 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



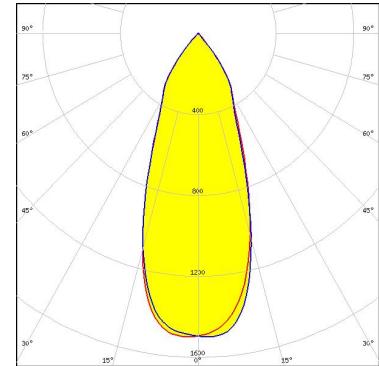
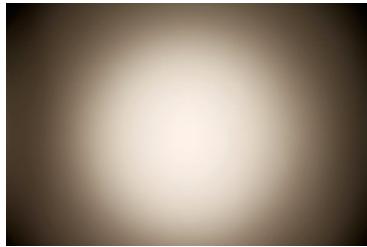
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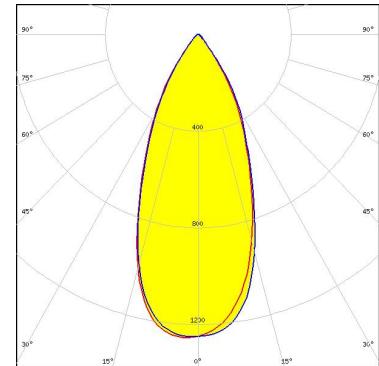
LED V8 Gen6
FWHM 38.0°
Efficiency 87 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13761_PF-SOCKET-CXA15



LED VERO10
FWHM 40.0°
Efficiency 85 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13708_PF-SOCKET-VERO10



LED VERO10
FWHM 44.0°
Efficiency 80 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13708_PF-SOCKET-VERO10
 C12479_MIRELLA-DL

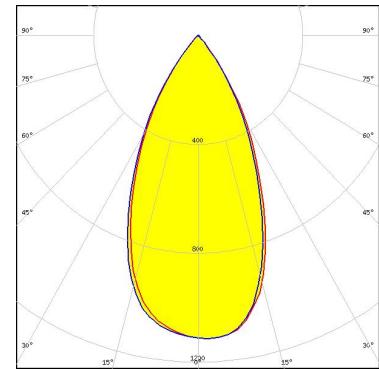
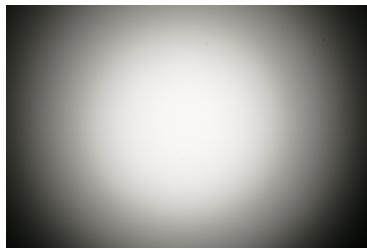


LED VERO10
FWHM 44.0°
Efficiency 80 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13708_PF-SOCKET-VERO10
 C13333_MIRELLA-CL

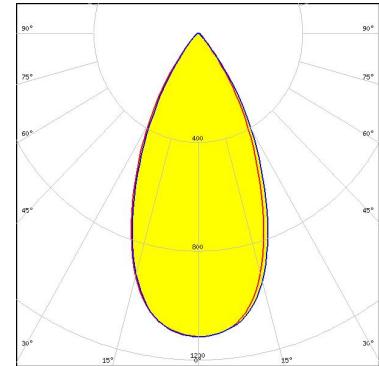
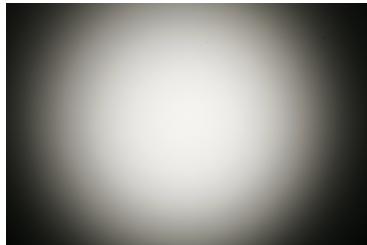
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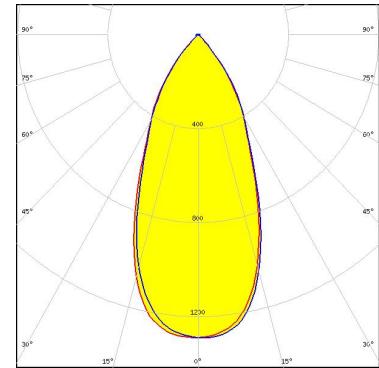
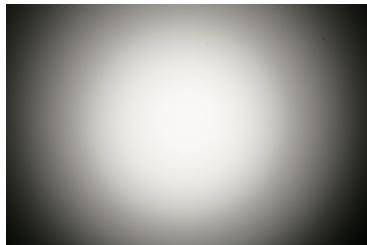
LED VERO13
FWHM 51.0°
Efficiency 77 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL



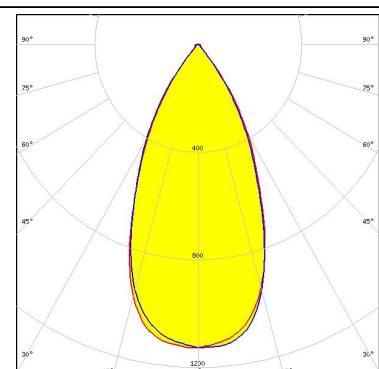
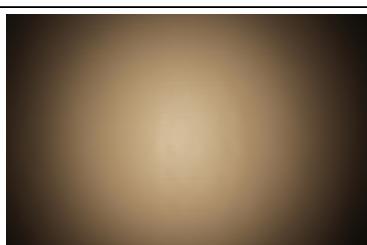
LED VERO13
FWHM 50.0°
Efficiency 82 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL



LED VERO13
FWHM 46.0°
Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18



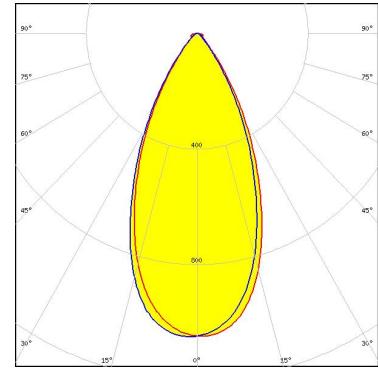
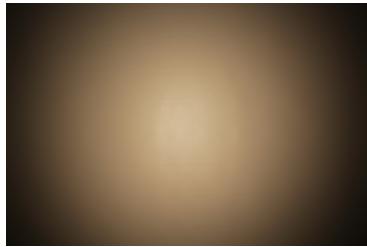
LED Xenio Point 13mm
FWHM 49.0°
Efficiency 81 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL



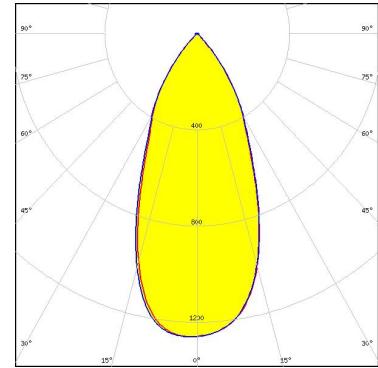
PHOTOMETRIC DATA (MEASURED):



LED	Xenio Point 13mm
FWHM	48.0°
Efficiency	78 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13709_PF-SOCKET-VERO13-18
	C12479_MIRELLA-DL

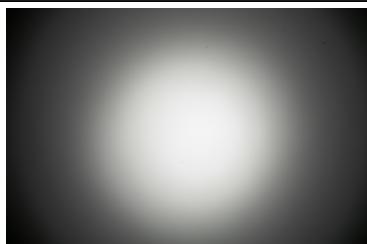


LED	Xenio Point 13mm
FWHM	45.0°
Efficiency	85 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13709_PF-SOCKET-VERO13-18



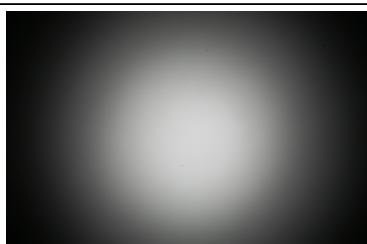
CITIZEN

LED	CLL01x
FWHM	36.0°
Efficiency	90 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13083_PF-SOCKET



CITIZEN

LED	CLL01x
FWHM	44.0°
Efficiency	86 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13083_PF-SOCKET
	C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL01x
 FWHM 42.0°
 Efficiency 86 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



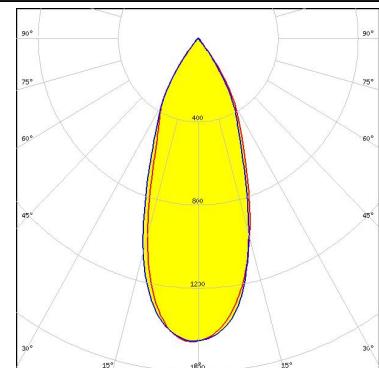
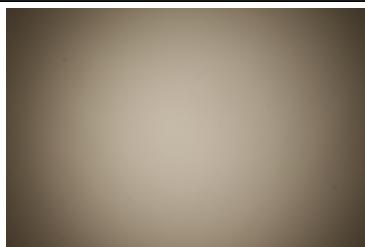
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 41.0°
 Efficiency 90 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



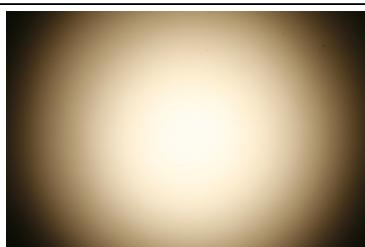
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 39.0°
 Efficiency 78 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 434 Typ L1



CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 46.0°
 Efficiency 86 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM 46.0°

Efficiency %

Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C13083_PF-SOCKET

C13723_MIRELLA-RZL

CN13907_MIRELLA-50-W-PF-FIG-(CLL020)



CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM 41.0°

Efficiency 76 %

Peak intensity 1.3 cd/lm

LEDs/each optic 1

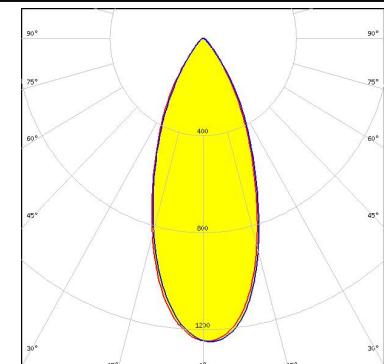
Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL

Bender Wirth: 434 Typ L1



CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM 46.0°

Efficiency 86 %

Peak intensity 1.5 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C13083_PF-SOCKET

C13333_MIRELLA-CL



CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM 36.0°

Efficiency 84 %

Peak intensity 1.7 cd/lm

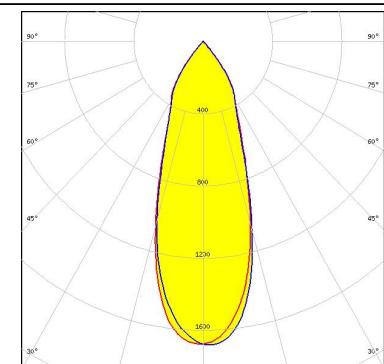
LEDs/each optic 1

Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLU700/701/702

FWHM 39.0°

Efficiency 82 %

Peak intensity 1.4 cd/lm

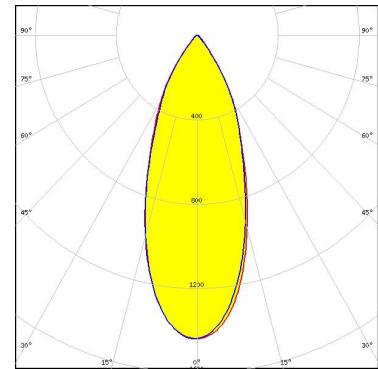
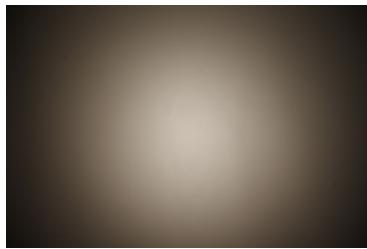
LEDs/each optic 1

Light colour White

Required components:

C13083_PF-SOCKET

C12479_MIRELLA-DL



CITIZEN

LED CLU700/701/702

FWHM 29.0°

Efficiency 80 %

Peak intensity 2.1 cd/lm

LEDs/each optic 1

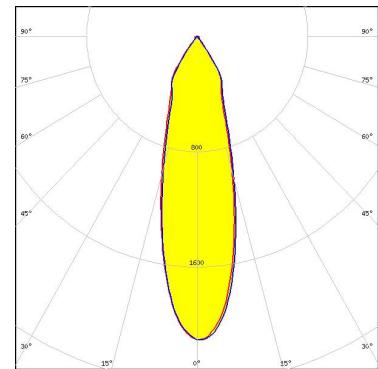
Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL

Bender Wirth: 434 Typ L1



CITIZEN

LED CLU700/701/702

FWHM 42.0°

Efficiency 81 %

Peak intensity 1.3 cd/lm

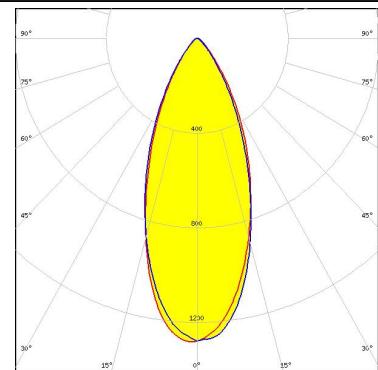
LEDs/each optic 1

Light colour White

Required components:

C13083_PF-SOCKET

C13723_MIRELLA-RZL



CITIZEN

LED CLU700/701/702

FWHM 34.0°

Efficiency 81 %

Peak intensity 1.8 cd/lm

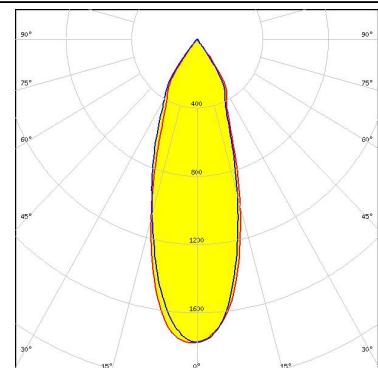
LEDs/each optic 1

Light colour White

Required components:

C13083_PF-SOCKET

C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLU700/701/702

FWHM 31.0°

Efficiency 77 %

Peak intensity 1.8 cd/lm

LEDs/each optic 1

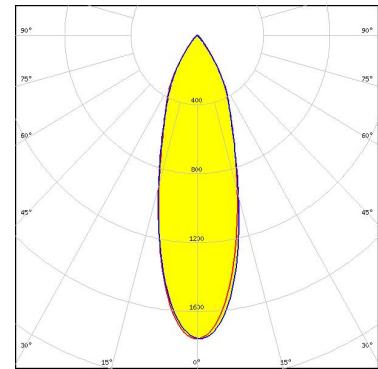
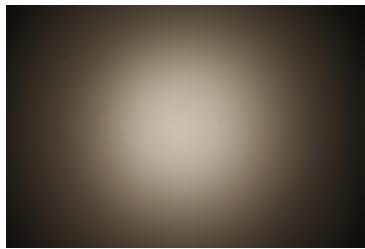
Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL

Bender Wirth: 434 Typ L1



CITIZEN

LED CLU700/701/702

FWHM 33.0°

Efficiency 88 %

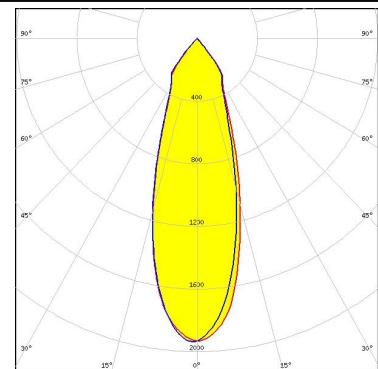
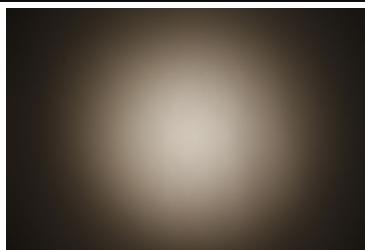
Peak intensity 1.9 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C13083_PF-SOCKET



CITIZEN

LED CLU700/701/702

FWHM 26.0°

Efficiency 83 %

Peak intensity 2.4 cd/lm

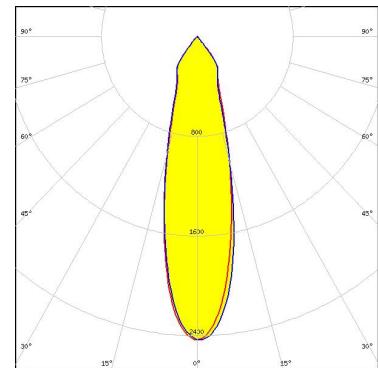
LEDs/each optic 1

Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1



CITIZEN

LED CLU720/721

FWHM 40.0°

Efficiency 81 %

Peak intensity 1.4 cd/lm

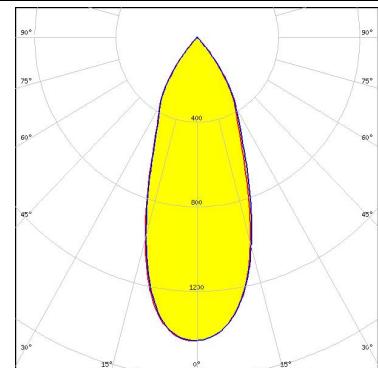
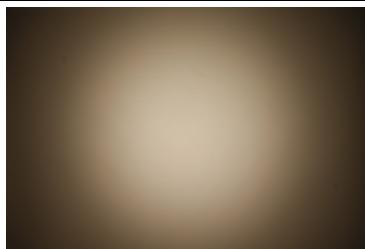
LEDs/each optic 1

Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18

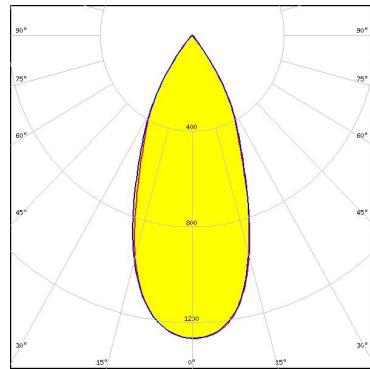
Bender Wirth: 433 Typ L1



PHOTOMETRIC DATA (MEASURED):

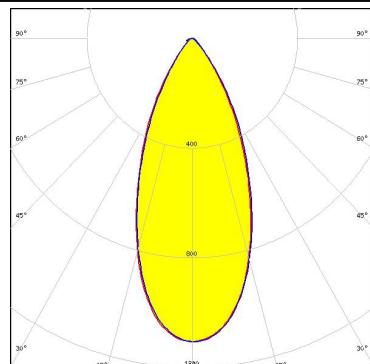
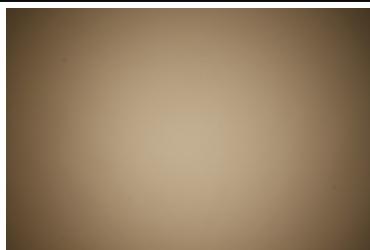
CITIZEN

LED CLU720/721
 FWHM 43.0°
 Efficiency 76 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 433 Typ L1



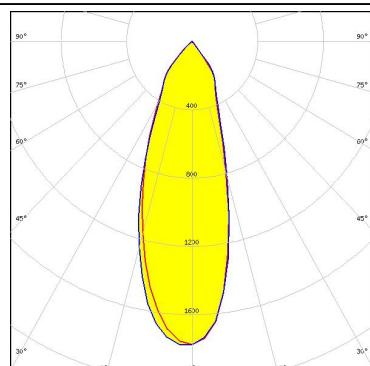
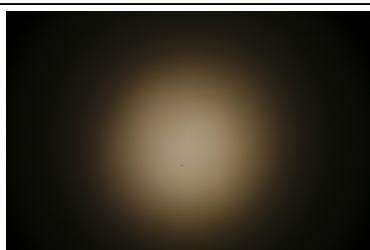
CITIZEN

LED CLU720/721
 FWHM 44.0°
 Efficiency 74 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 433 Typ L1



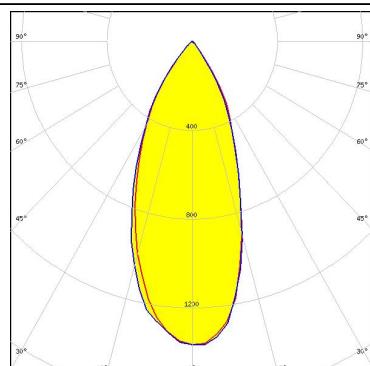
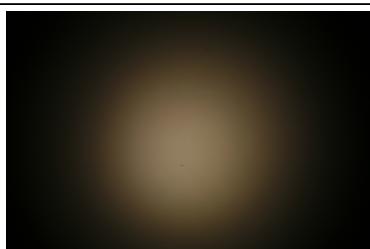
CREE

LED CXA/B 13xx
 FWHM 37.0°
 Efficiency 86 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15



CREE

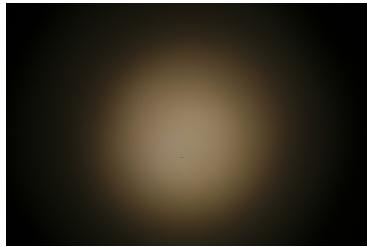
LED CXA/B 13xx
 FWHM 43.0°
 Efficiency 81 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

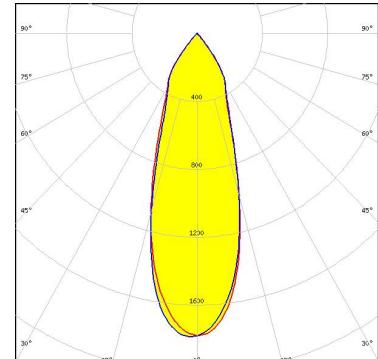
CREE 

LED CXA/B 13xx
 FWHM 42.0°
 Efficiency 81 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



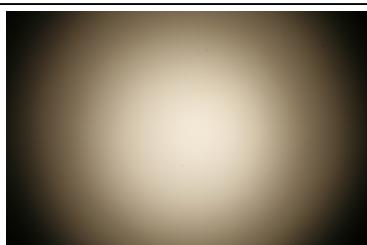
CREE 

LED CXA/B 15xx
 FWHM 34.0°
 Efficiency 82 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 441 Typ L1



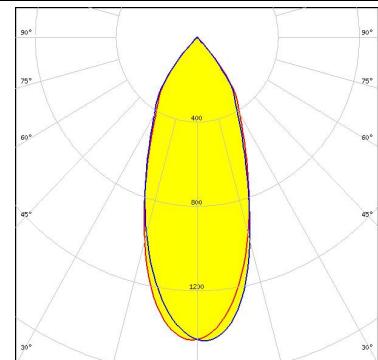
CREE 

LED CXA/B 15xx
 FWHM 46.0°
 Efficiency 85 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



CREE 

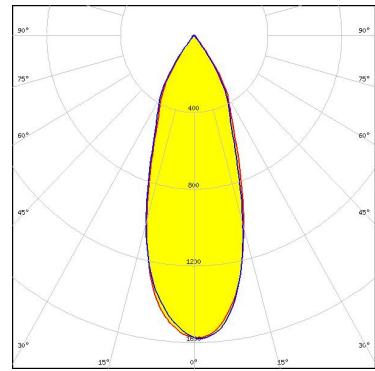
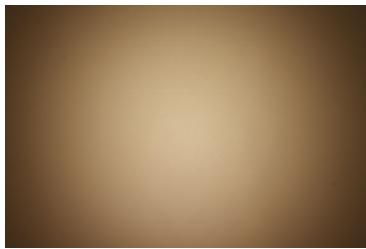
LED CXA/B 15xx
 FWHM 41.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13761_PF-SOCKET-CXA15



PHOTOMETRIC DATA (MEASURED):

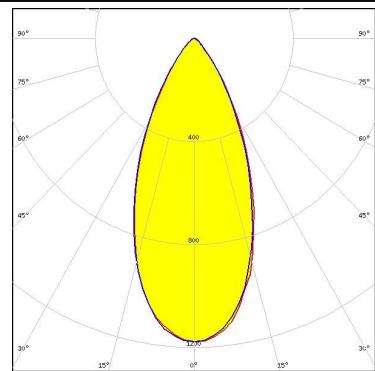
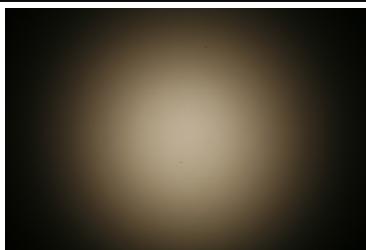
CREE

LED	CXA/B 15xx
FWHM	37.0°
Efficiency	79 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13709_PF-SOCKET-VERO13-18
	C13333_MIRELLA-CL
	Bender Wirth: 441 Typ L1



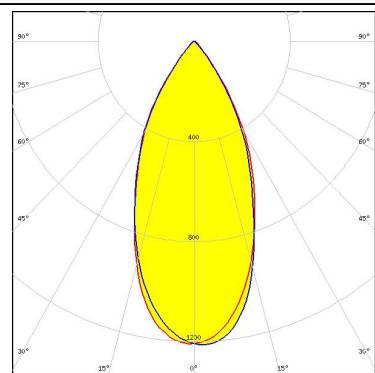
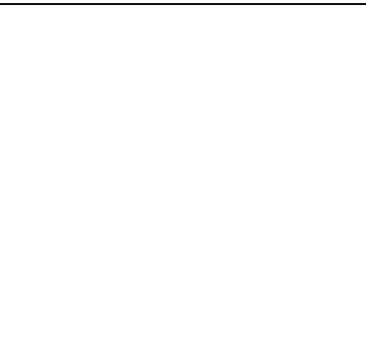
CREE

LED	CXA/B 15xx
FWHM	47.0°
Efficiency	81 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13761_PF-SOCKET-CXA15
	C13723_MIRELLA-RZL



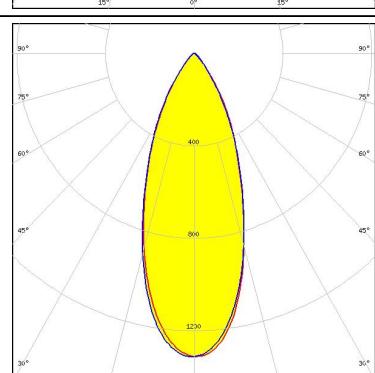
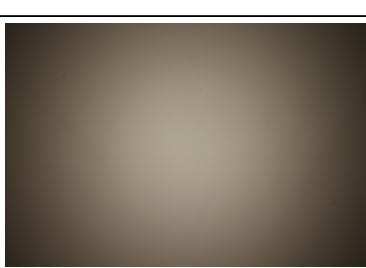
CREE

LED	CXA/B 15xx
FWHM	47.0°
Efficiency	85 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13761_PF-SOCKET-CXA15
	C12479_MIRELLA-DL



CREE

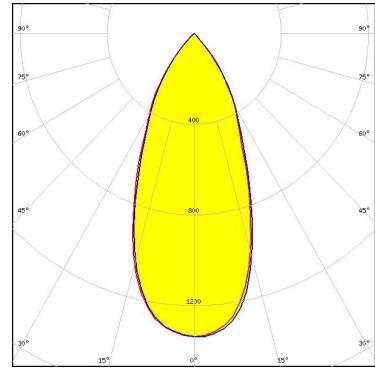
LED	CXA/B 15xx
FWHM	39.0°
Efficiency	75 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13709_PF-SOCKET-VERO13-18
	C12479_MIRELLA-DL
	Bender Wirth: 441 Typ L1



PHOTOMETRIC DATA (MEASURED):

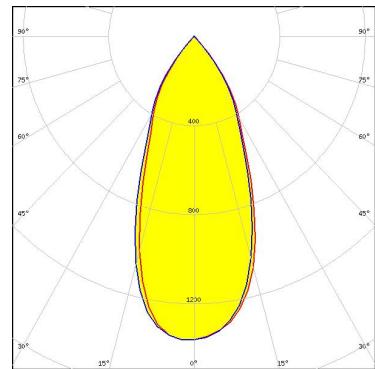
CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	45.0°
Efficiency	84 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C14115_PF-SOCKET-CXA15-18



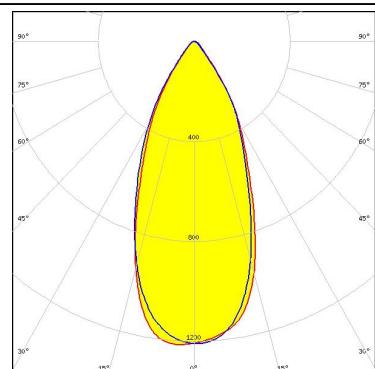
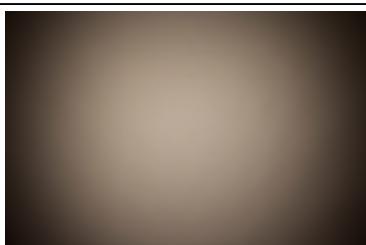
CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	43.0°
Efficiency	87 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	IDEAL: 50-2101CR + 50-2100MR



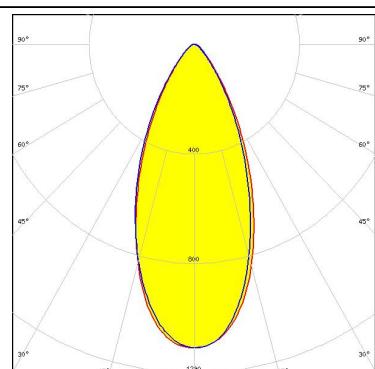
CREE

LED	MHD-E/G
FWHM	45.0°
Efficiency	84 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13083_PF-SOCKET
	C12479_MIRELLA-DL



CREE

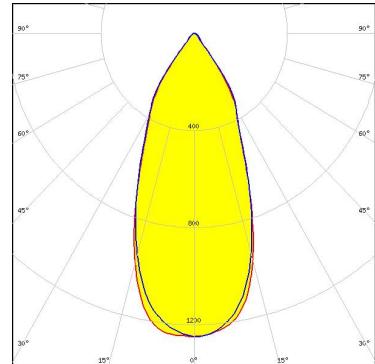
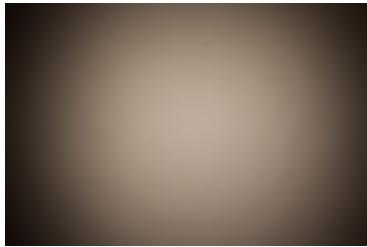
LED	MHD-E/G
FWHM	45.0°
Efficiency	82 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13083_PF-SOCKET
	C13723_MIRELLA-RZL



PHOTOMETRIC DATA (MEASURED):

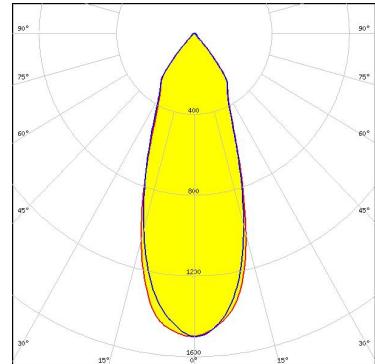
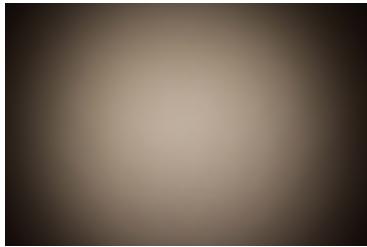
CREE

LED MHD-E/G
 FWHM 44.0°
 Efficiency 84 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



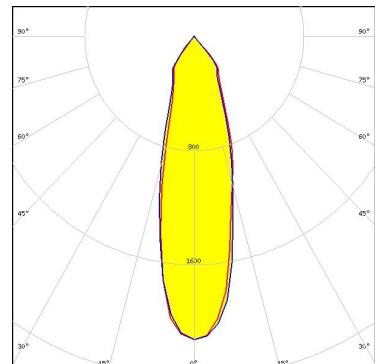
CREE

LED MHD-E/G
 FWHM 38.0°
 Efficiency 89 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



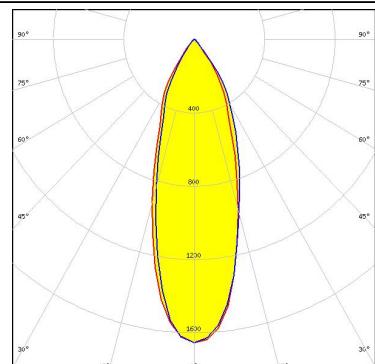
CREE

LED MK-R
 FWHM 30.0°
 Efficiency 85 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



CREE

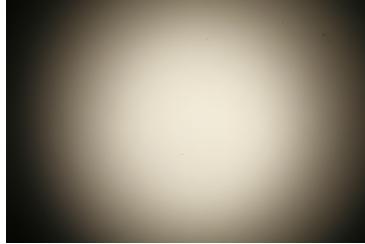
LED MK-R
 FWHM 34.0°
 Efficiency 80 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

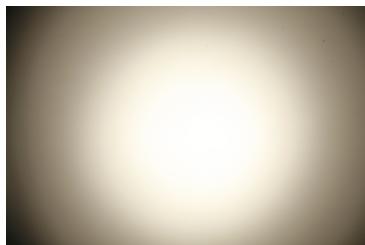
CREE 

LED MT-G
FWHM 52.0°
Efficiency 86 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



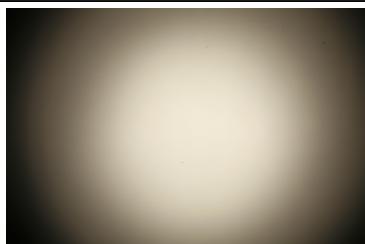
CREE 

LED MT-G
FWHM 48.0°
Efficiency 90 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



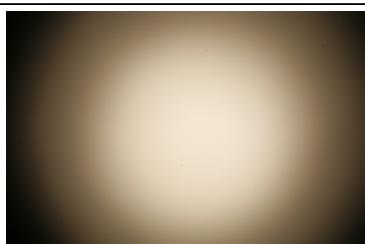
CREE 

LED MT-G
FWHM 52.0°
Efficiency 86 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



CREE 

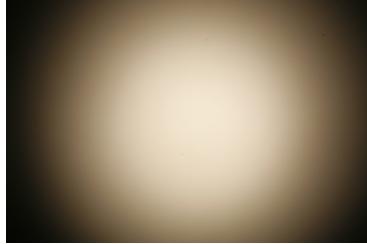
LED MT-G2
FWHM 50.0°
Efficiency 87 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



PHOTOMETRIC DATA (MEASURED):

CREE 

LED MT-G2
 FWHM 51.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



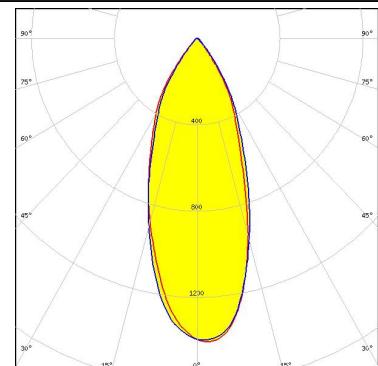
CREE 

LED MT-G2
 FWHM 46.0°
 Efficiency 91 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



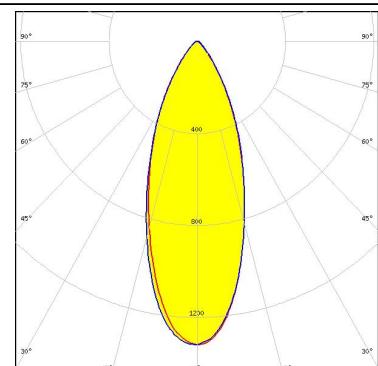
CREE 

LED XHP50
 FWHM 39.0°
 Efficiency 82 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



CREE 

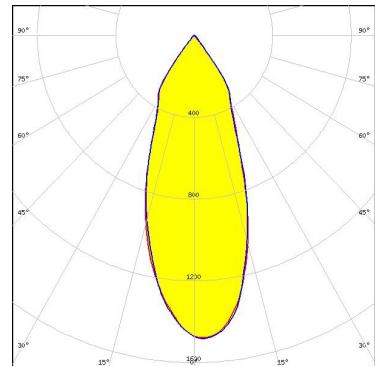
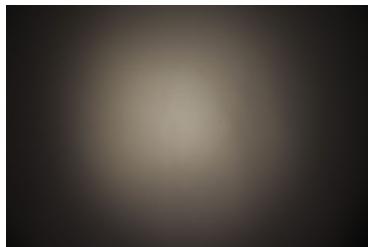
LED XHP50
 FWHM 38.0°
 Efficiency 80 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



PHOTOMETRIC DATA (MEASURED):

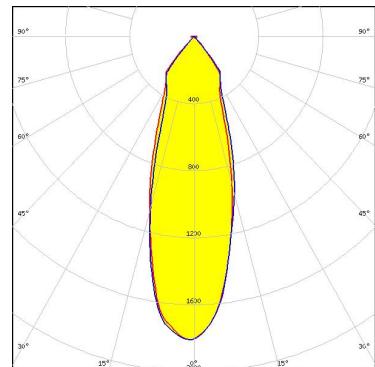
CREE 

LED XHP50
FWHM 39.0°
Efficiency 81 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



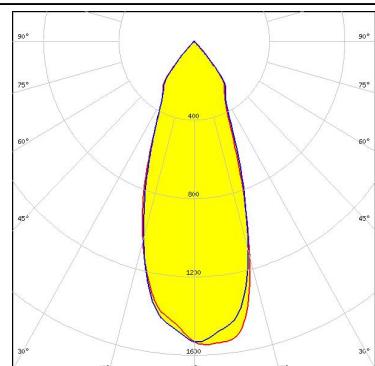
CREE 

LED XHP50
FWHM 33.0°
Efficiency 87 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



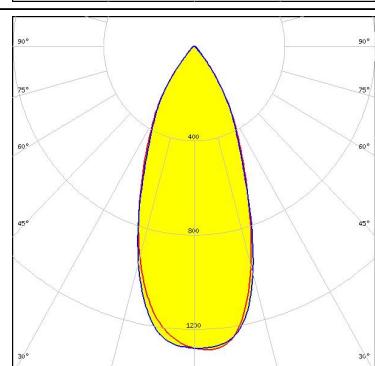
CREE 

LED XHP70
FWHM 39.0°
Efficiency 86 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET



CREE 

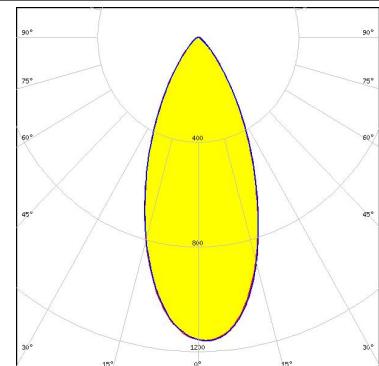
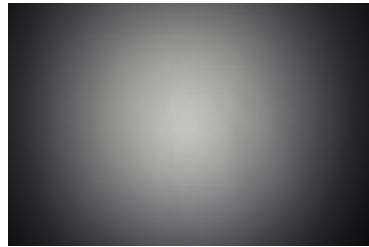
LED XHP70
FWHM 43.0°
Efficiency 81 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C12479_MIRELLA-DL



PHOTOMETRIC DATA (MEASURED):

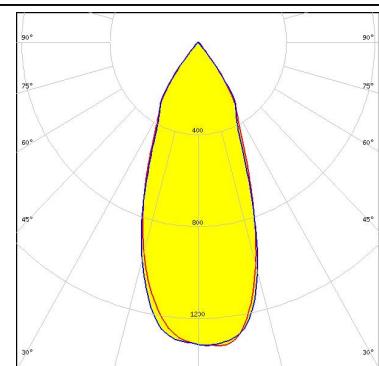
CREE

LED XHP70
FWHM 44.0°
Efficiency 79 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



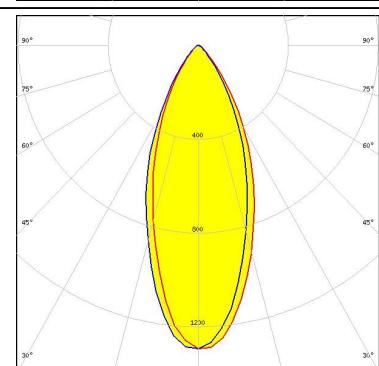
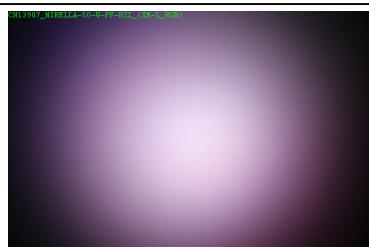
CREE

LED XHP70
FWHM 42.0°
Efficiency 81 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL



CREE

LED XM-L RGB
FWHM 41.0°
Efficiency 80 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



CREE

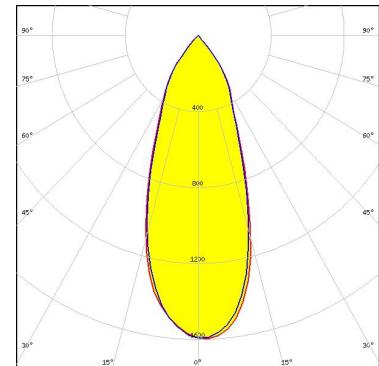
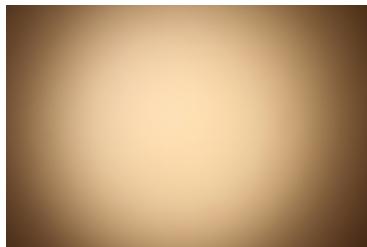
LED XQ-E HI
FWHM 42.0°
Efficiency 87 %
Peak intensity 1.4 cd/lm
LEDs/each optic 4
Light colour RGBW
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



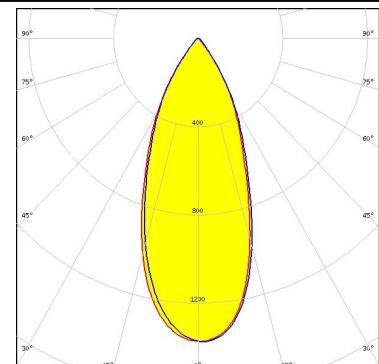
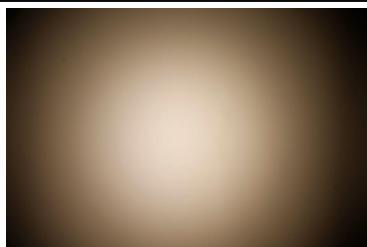
PHOTOMETRIC DATA (MEASURED):



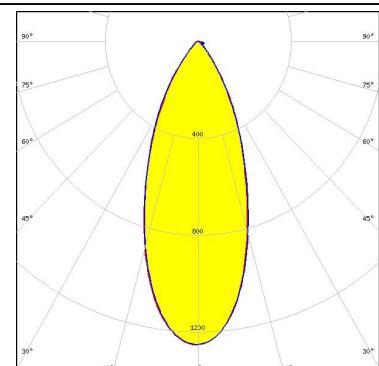
LED LUXEON CoB 1202/1203
FWHM 39.0°
Efficiency 86 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14037_PF-NSX-SOCKET



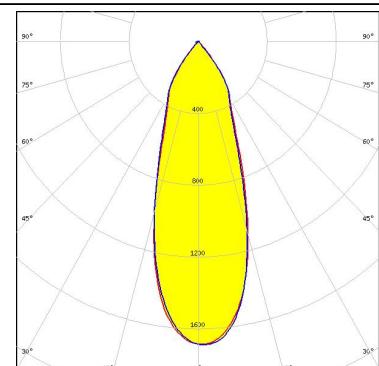
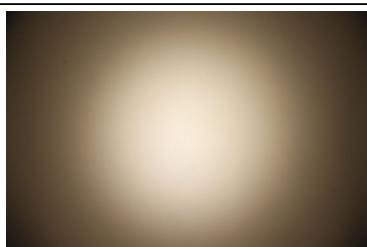
LED LUXEON CoB 1202/1203
FWHM 41.0°
Efficiency 81 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



LED LUXEON CoB 1202/1203
FWHM 40.0°
Efficiency 75 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



LED LUXEON CoB 1202/1203
FWHM 35.0°
Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



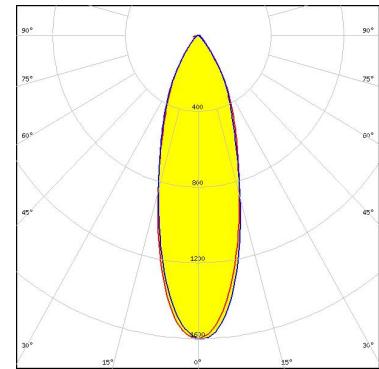
PHOTOMETRIC DATA (MEASURED):

	LUMILEDS		
LED	LUXEON CoB 1202/1203		
FWHM	39.0°		
Efficiency	80 %		
Peak intensity	1.5 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:			
C13333_MIRELLA-CL			
IDEAL: 50-2100NC +50-2100MR			

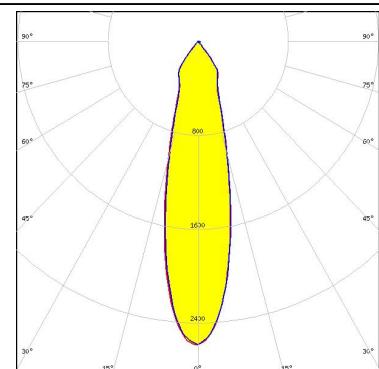
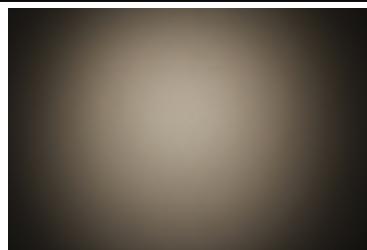
PHOTOMETRIC DATA (MEASURED):



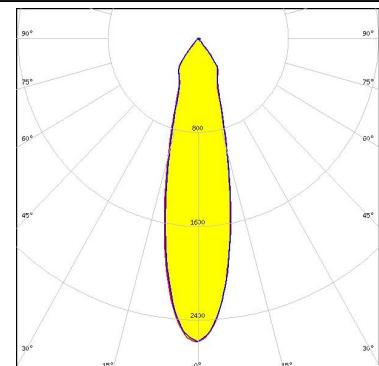
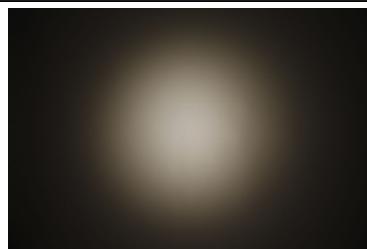
LED LUXEON CoB 1202s
FWHM 32.0°
Efficiency 77 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 452 Typ L1



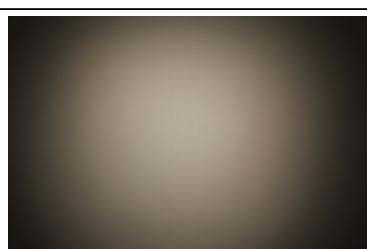
LED LUXEON CoB 1202s
FWHM 40.0°
Efficiency 82 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13761_PF-SOCKET-CXA15
 C12479_MIRELLA-DL



LED LUXEON CoB 1202s
FWHM 25.0°
Efficiency 85 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 452 Typ L1



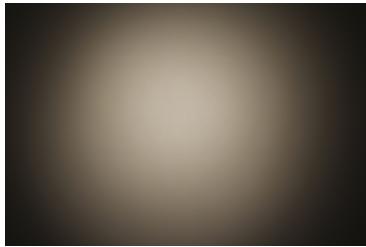
LED LUXEON CoB 1202s
FWHM 41.0°
Efficiency 82 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13761_PF-SOCKET-CXA15
 C13333_MIRELLA-CL



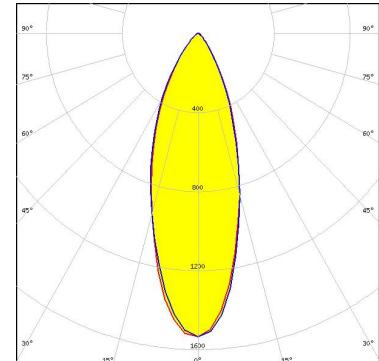
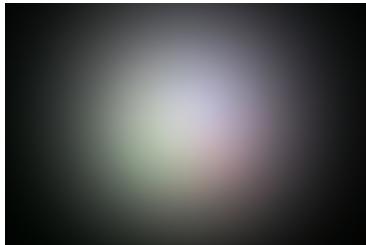
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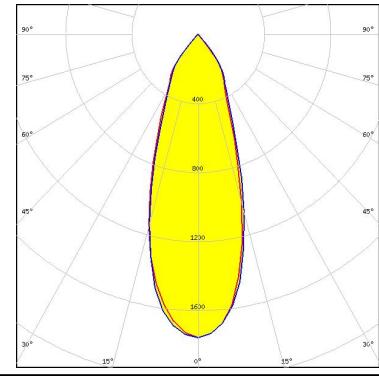
LED	LUXEON CoB 1202s
FWHM	35.0°
Efficiency	88 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13761_PF-SOCKET-CXA15



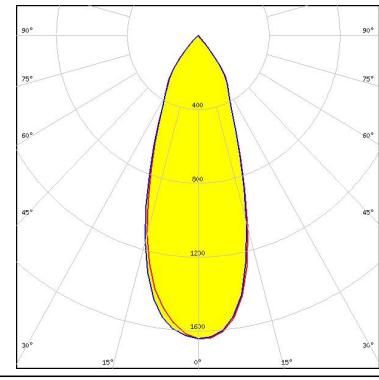
LED	LUXEON Z
FWHM	36.0°
Efficiency	79 %
Peak intensity	1.5 cd/lm
LEDs/each optic	4
Light colour	RGBW
Required components:	
	C13083_PF-SOCKET
	C13723_MIRELLA-RZL



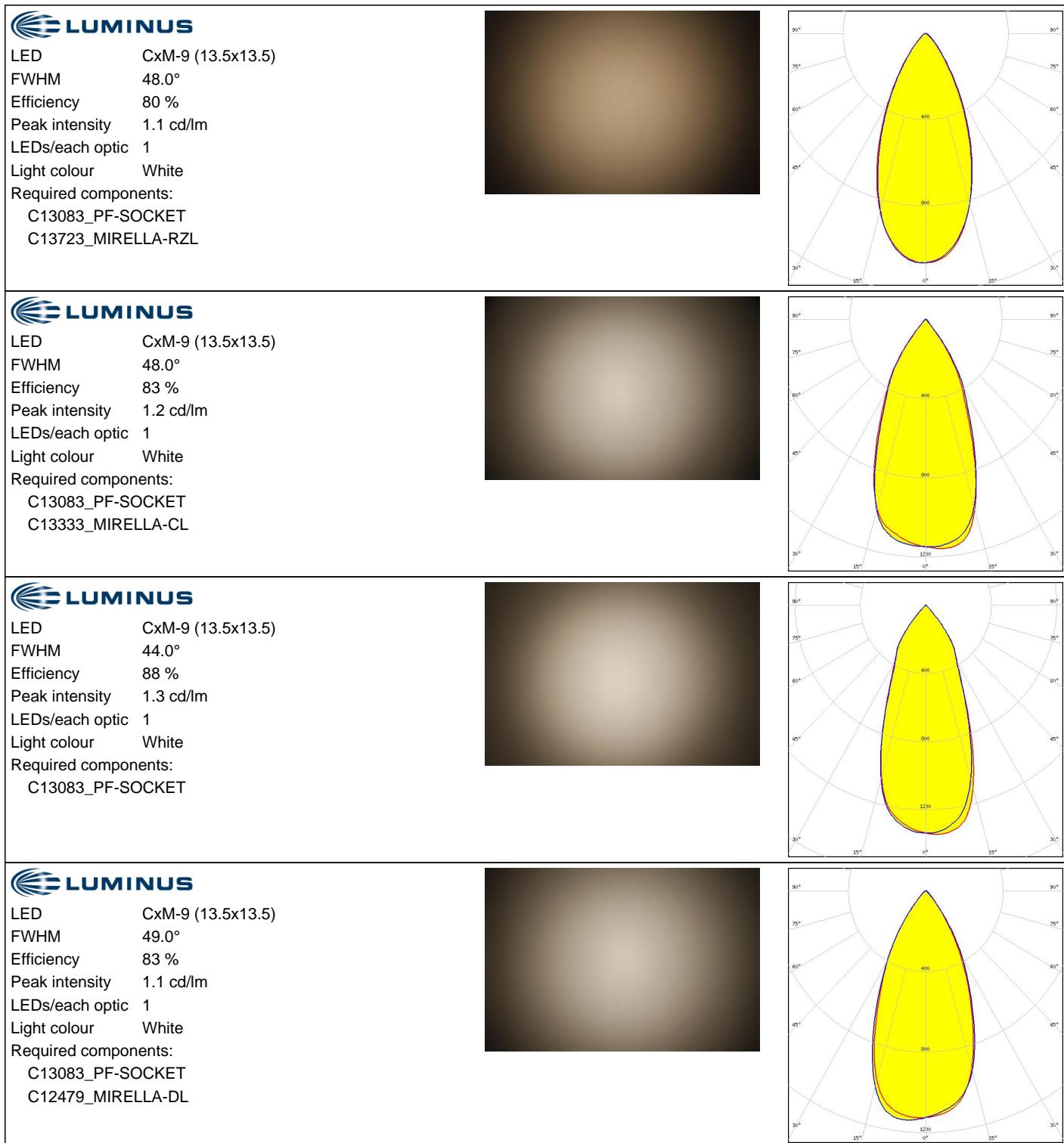
LED	CxM-6 (12x13)
FWHM	36.0°
Efficiency	85 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13083_PF-SOCKET



LED	CXM-7 (13x13)
FWHM	38.0°
Efficiency	86 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13083_PF-SOCKET



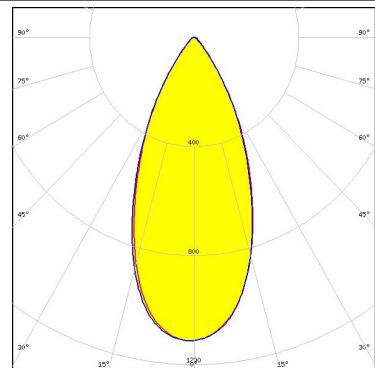
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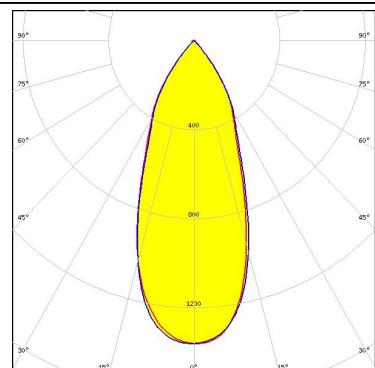
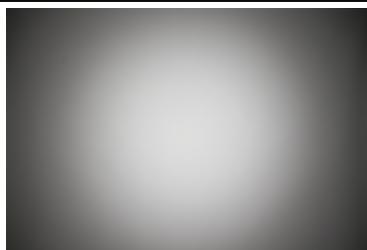
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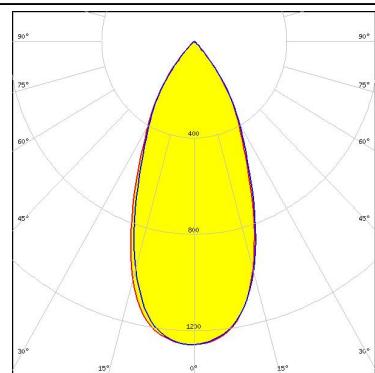
LED	COB L-Type (LES 11)
FWHM	46.0°
Efficiency	75 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C13709_PF-SOCKET-VERO13-18	
C12479_MIRELLA-DL	
Bender Wirth: 438 Typ L1	



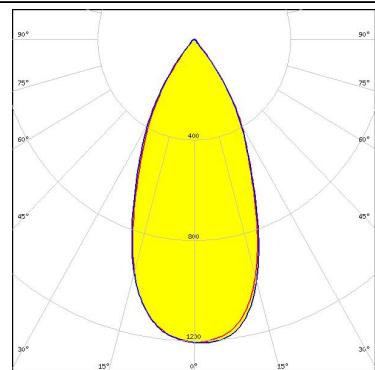
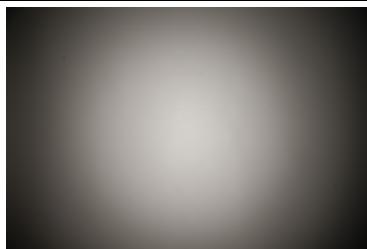
LED	COB L-Type (LES 11)
FWHM	41.0°
Efficiency	81 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C13709_PF-SOCKET-VERO13-18	
Bender Wirth: 438 Typ L1	



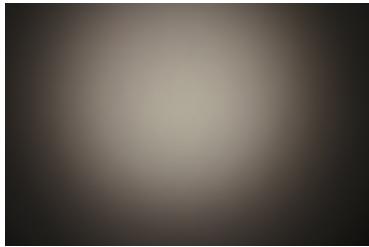
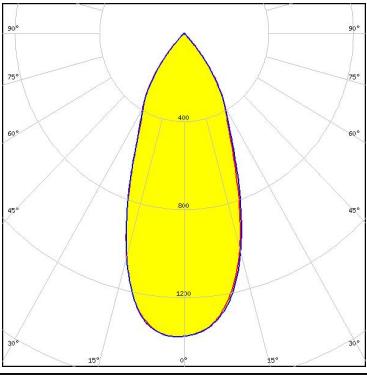
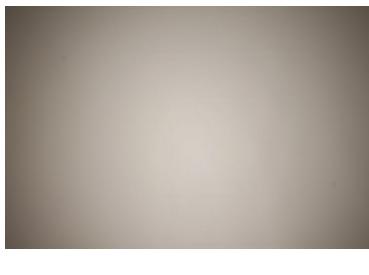
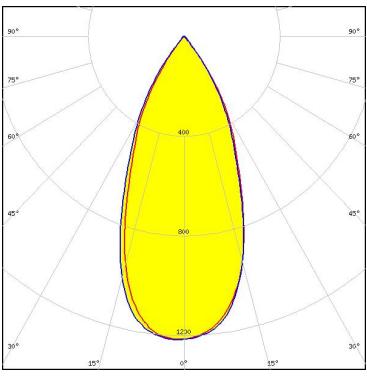
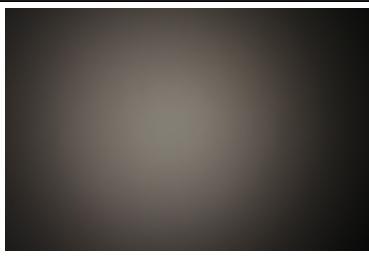
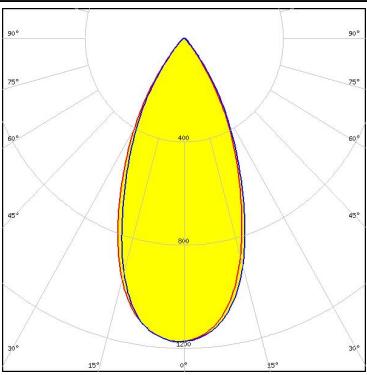
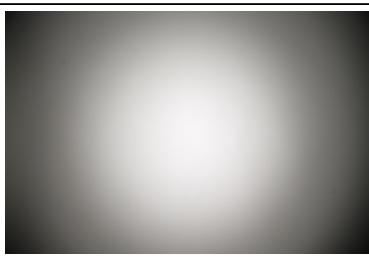
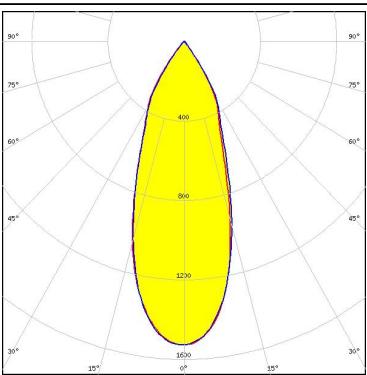
LED	COB L-Type (LES 11)
FWHM	46.0°
Efficiency	84 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C14037_PF-NSX-SOCKET	



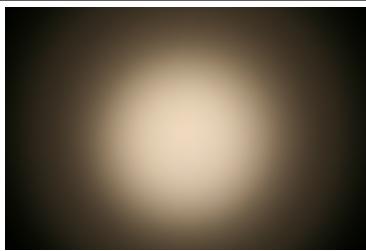
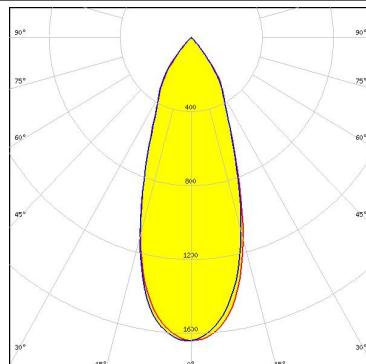
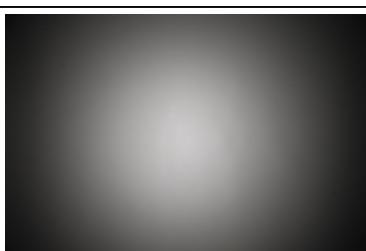
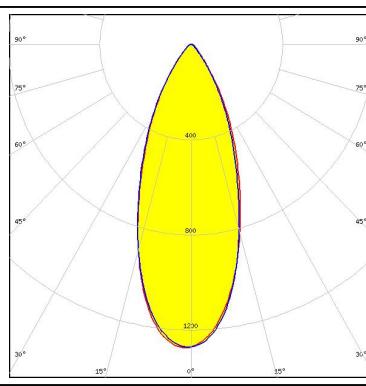
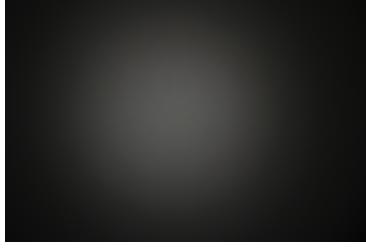
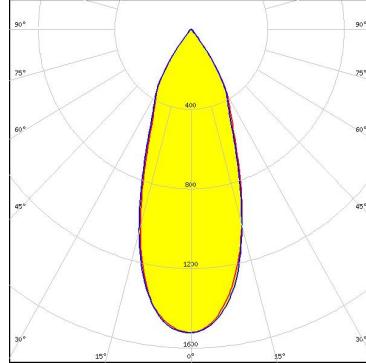
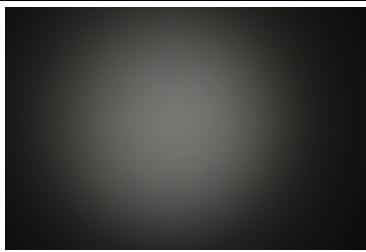
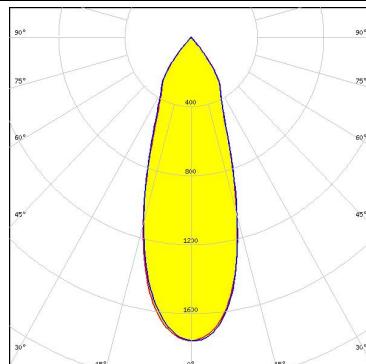
LED	COB L-Type (LES 11)
FWHM	47.0°
Efficiency	81 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C13333_MIRELLA-CL	
IDEAL: 50-2100NC +50-2100MR	



PHOTOMETRIC DATA (MEASURED):

	LED COB L-Type (LES 11) FWHM 43.0° Efficiency 86 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components: IDEAL: 50-2100NC +50-2100MR		
	LED COB L-Type (LES 11) FWHM 45.0° Efficiency 77 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:		
	LED COB L-Type (LES 11) FWHM 46.0° Efficiency 80 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:		
	LED COB L-Type (LES 9) FWHM 37.0° Efficiency 79 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components:		

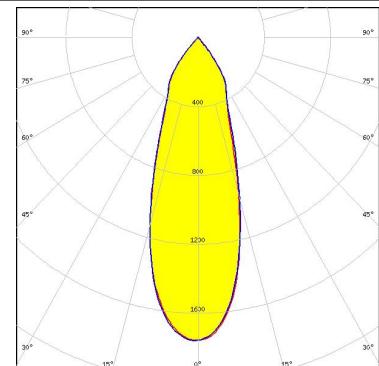
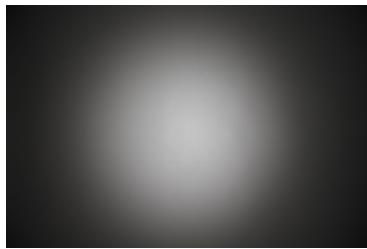
PHOTOMETRIC DATA (MEASURED):

	<p>LED COB L-Type (LES 9) FWHM 38.0° Efficiency 86 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White Required components: C14037_PF-NSX-SOCKET</p>		
	<p>LED COB L-Type (LES 9) FWHM 40.0° Efficiency 76 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components: C13709_PF-SOCKET-VERO13-18 C12479_MIRELLA-DL Bender Wirth: 438 Typ L1</p>		
	<p>LED COB L-Type (LES 9) FWHM 38.0° Efficiency 81 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: C13333_MIRELLA-CL IDEAL: 50-2100NC +50-2100MR</p>		
	<p>LED COB L-Type (LES 9) FWHM 35.0° Efficiency 87 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: IDEAL: 50-2100NC +50-2100MR</p>		

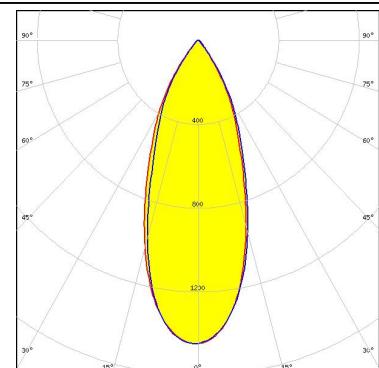
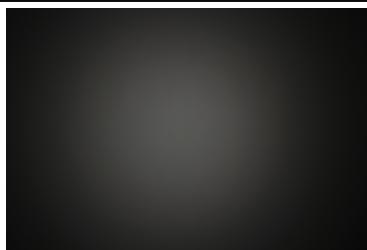
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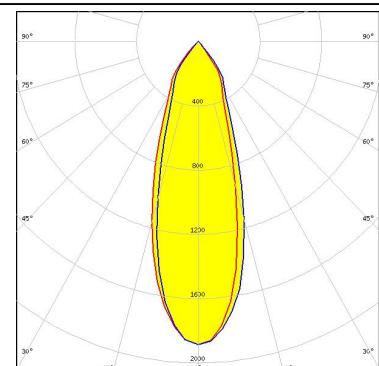
LED COB L-Type (LES 9)
 FWHM 34.0°
 Efficiency 84 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



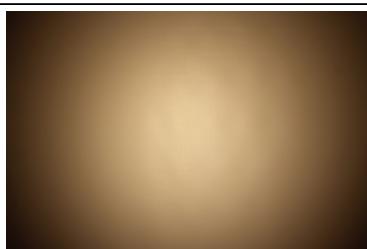
LED COB L-Type (LES 9)
 FWHM 39.0°
 Efficiency 80 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12479_MIRELLA-DL
 IDEAL: 50-2100NC +50-2100MR



LED NSCxL036A
 FWHM 34.0°
 Efficiency 85 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14037_PF-NSX-SOCKET



Opto Semiconductors
 LED Duris S10
 FWHM 45.0°
 Efficiency 80 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL

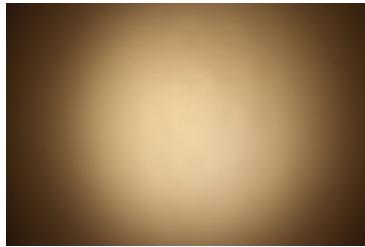


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

LED Duris S10
 FWHM 43.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



OSRAM

Opto Semiconductors

LED Duris S10
 FWHM 38.0°
 Efficiency 87 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



OSRAM

Opto Semiconductors

LED Duris S10
 FWHM 45.0°
 Efficiency 79 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



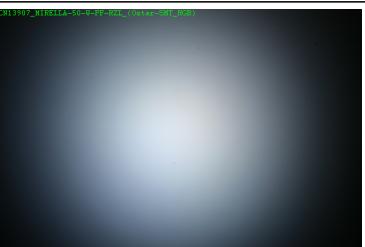
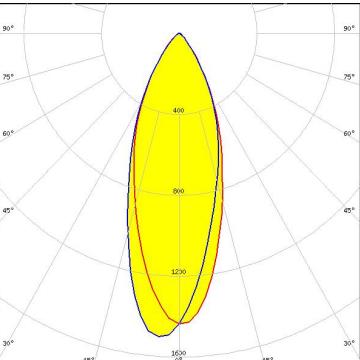
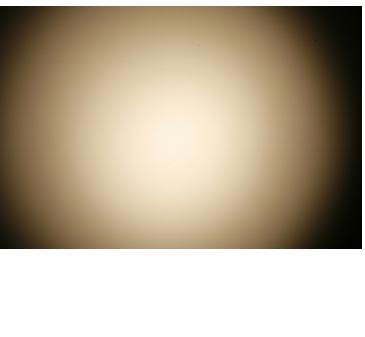
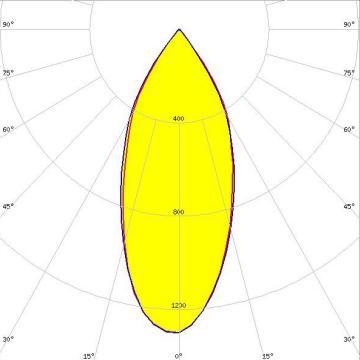
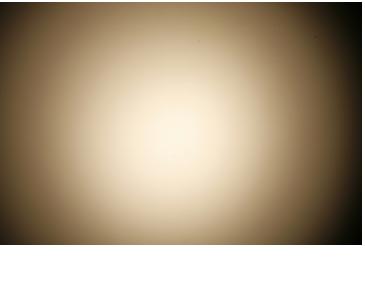
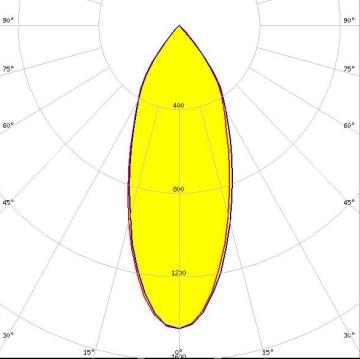
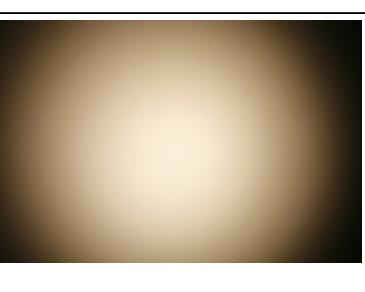
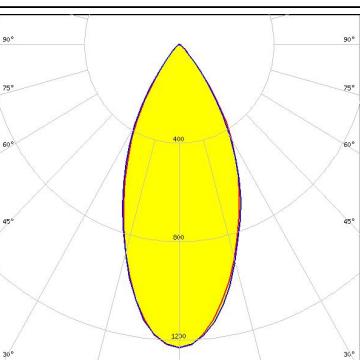
OSRAM

Opto Semiconductors

LED OSTAR Stage (S2WP)
 FWHM 36.0°
 Efficiency 83 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13723_MIRELLA-RZL



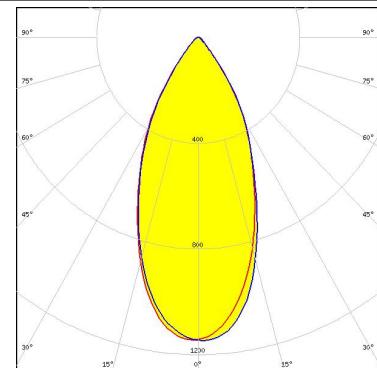
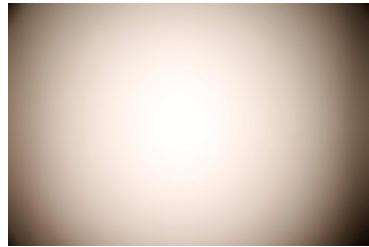
PHOTOMETRIC DATA (MEASURED):

	<p>OSRAM Opto Semiconductors</p> <p>LED Ostar-SMT RGB FWHM 37.0° Efficiency 81 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL</p>		
	<p>SEoul SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM 46.0° Efficiency 80 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C13333_MIRELLA-CL</p>		
	<p>SEoul SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM 42.0° Efficiency 86 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET</p>		
	<p>SEoul SEMICONDUCTOR</p> <p>LED ZC4/6 FWHM 48.0° Efficiency 81 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C12479_MIRELLA-DL</p>		

PHOTOMETRIC DATA (MEASURED):

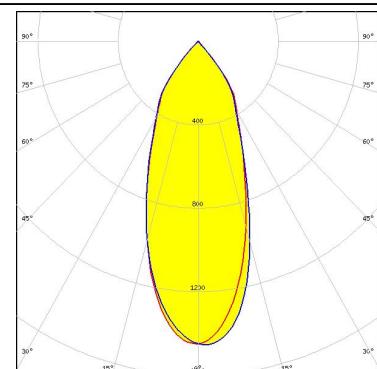
SHARP

LED Mini Zenigata (GW6BM)
 FWHM 45.0°
 Efficiency 81 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C12479_MIRELLA-DL



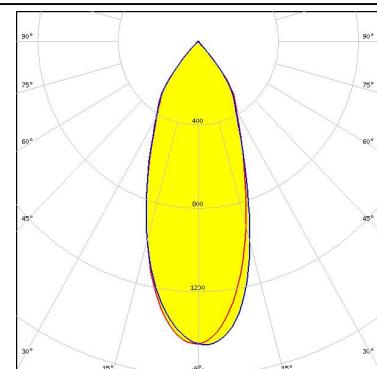
SHARP

LED Mini Zenigata (GW6BM)
 FWHM 46.0°
 Efficiency 81 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET
 C13333_MIRELLA-CL



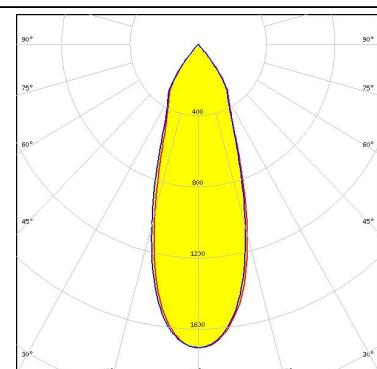
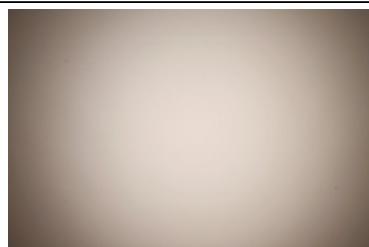
SHARP

LED Mini Zenigata (GW6BM)
 FWHM 38.0°
 Efficiency 88 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13083_PF-SOCKET



XICATO

LED XTM - 9mm LES
 FWHM 35.0°
 Efficiency 83 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14636_XTM-PF-ADAPTER



PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON CoB Compact

FWHM 40.0°

Efficiency 82 %

Peak intensity 1.5 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C13761_PF-SOCKET-CXA15

C12479_MIRELLA-DL

LUMILEDS

LED LUXEON CoB Compact

FWHM 35.0°

Efficiency 88 %

Peak intensity 1.9 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C13761_PF-SOCKET-CXA15

LUMILEDS

LED LUXEON CoB Compact

FWHM 32.0°

Efficiency 77 %

Peak intensity 1.6 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL

Bender Wirth: 452 Typ L1

LUMILEDS

LED LUXEON CoB Compact

FWHM 25.0°

Efficiency 85 %

Peak intensity 2.6 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 452 Typ L1

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

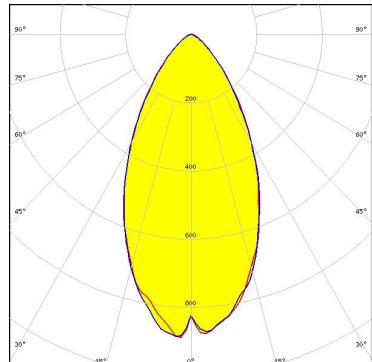
LED	LUXEON CoB Compact
FWHM	37.0°
Efficiency	77 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13709_PF-SOCKET-VERO13-18
	C13333_MIRELLA-CL
	Bender Wirth: 452 Typ L1

LUMILEDS

LED	LUXEON CoB Compact
FWHM	41.0°
Efficiency	82 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13761_PF-SOCKET-CXA15
	C13333_MIRELLA-CL

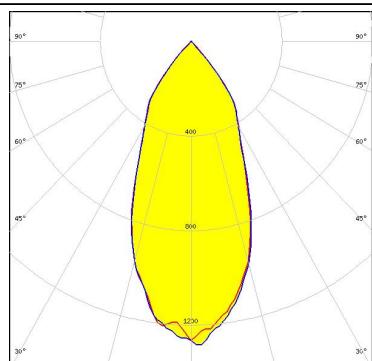
LUMILEDS

LED	LUXEON K4
FWHM	54.0°
Efficiency	83 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13761_PF-SOCKET-CXA15
	C12479_MIRELLA-DL



LUMILEDS

LED	LUXEON K4
FWHM	46.0°
Efficiency	88 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13761_PF-SOCKET-CXA15



PHOTOMETRIC DATA (SIMULATED):



LED CxM-14 (19x19)
FWHM 51.0°
Efficiency 70 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 433 Typ L1



LED CxM-14 (19x19)
FWHM 49.0°
Efficiency 75 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 433 Typ L1



LED CxM-9 (13.5x13.5)
FWHM 41.0°
Efficiency 76 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 434 Typ L1



LED CxM-9 (13.5x13.5)
FWHM 36.0°
Efficiency 84 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 434 Typ L1

PHOTOMETRIC DATA (SIMULATED):



LED	CxM-9 (13.5x13.5)
FWHM	39.0°
Efficiency	78 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13709_PF-SOCKET-VERO13-18
	C13333_MIRELLA-CL
	Bender Wirth: 434 Typ L1



LED	COB S-Type (LES 7)
FWHM	32.0°
Efficiency	77 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13709_PF-SOCKET-VERO13-18
	C12479_MIRELLA-DL
	Bender Wirth: 452 Typ L1



LED	COB S-Type (LES 7)
FWHM	25.0°
Efficiency	85 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13709_PF-SOCKET-VERO13-18
	Bender Wirth: 452 Typ L1



LED	COB S-Type (LES 7)
FWHM	28.0°
Efficiency	81 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13709_PF-SOCKET-VERO13-18
	C13333_MIRELLA-CL
	Bender Wirth: 452 Typ L1

PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

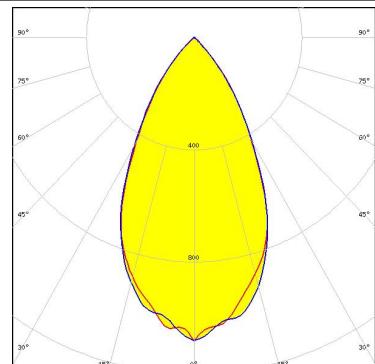
LED Soleriq S15
FWHM 56.0°
Efficiency 86 %

Peak intensity 1.1 cd/lm
LEDs/each optic 1

Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18
Bender Wirth: 433 Typ L1



OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM 38.0°

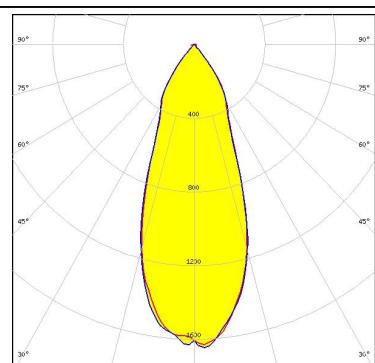
Efficiency 88 %
Peak intensity 1.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18



OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM 52.0°

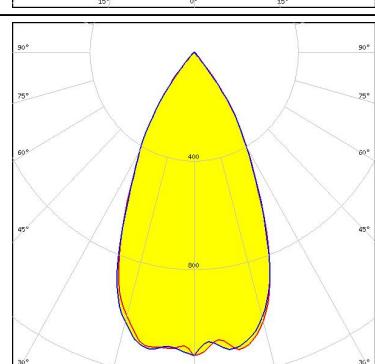
Efficiency 85 %
Peak intensity 1.1 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C13083_PF-SOCKET
C13333_MIRELLA-CL



OSRAM
Opto Semiconductors

LED Soleriq S9
FWHM 51.0°

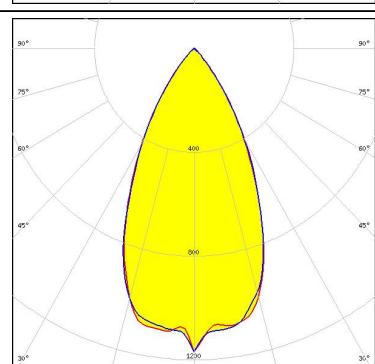
Efficiency 85 %
Peak intensity 1.2 cd/lm

LEDs/each optic 1

Light colour White

Required components:

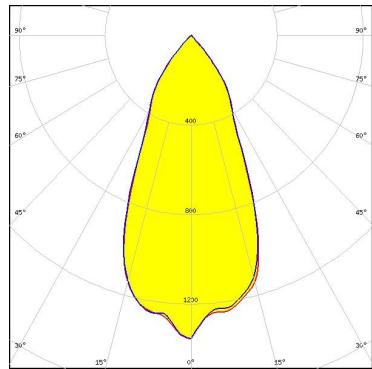
C13083_PF-SOCKET
C12479_MIRELLA-DL



PHOTOMETRIC DATA (SIMULATED):

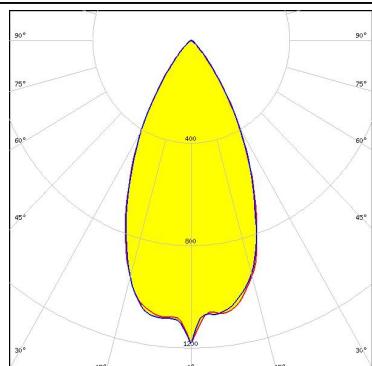
OSRAM
Opto Semiconductors

LED	Soleriq S9
FWHM	46.0°
Efficiency	91 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13083_PF-SOCKET



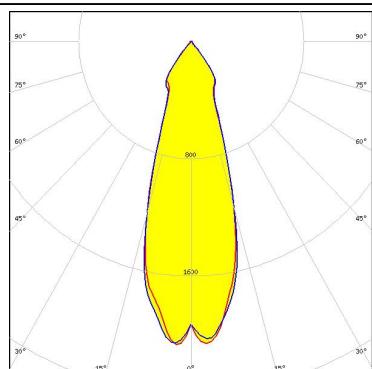
OSRAM
Opto Semiconductors

LED	Soleriq S9
FWHM	50.0°
Efficiency	85 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13083_PF-SOCKET
	C13723_MIRELLA-RZL



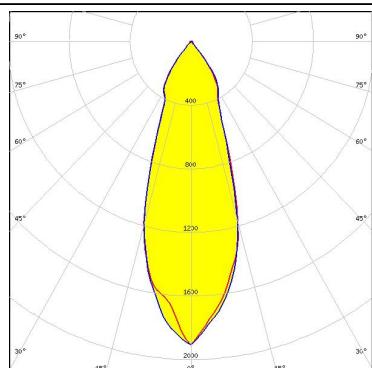
SAMSUNG

LED	LC010C
FWHM	32.0°
Efficiency	87 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13709_PF-SOCKET-VERO13-18
	Bender Wirth: 479 Typ L1



SAMSUNG

LED	LC020C
FWHM	35.0°
Efficiency	86 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C13709_PF-SOCKET-VERO13-18
	Bender Wirth: 479 Typ L1



PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LC040C

FWHM 42.0°

Efficiency 84 %

Peak intensity 1.4 cd/lm

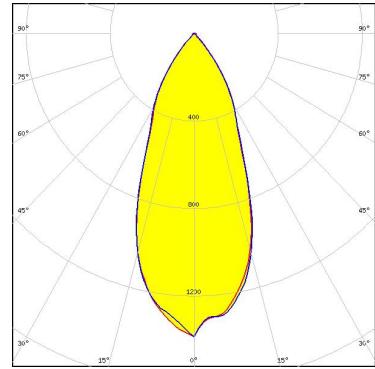
LEDs/each optic 1

Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 480 Typ L1



SEOUL SEMICONDUCTOR

LED ZC4/6

FWHM 36.0°

Efficiency 84 %

Peak intensity 1.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1

SEOUL SEMICONDUCTOR

LED ZC4/6

FWHM 39.0°

Efficiency 78 %

Peak intensity 1.5 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL

Bender Wirth: 434 Typ L1

SEOUL SEMICONDUCTOR

LED ZC4/6

FWHM 41.0°

Efficiency 76 %

Peak intensity 1.3 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL

Bender Wirth: 434 Typ L1

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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