

BARBARA-WW-PF

~60° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 70.0 mm
Height	41.7 mm
Fastening	socket
Colour	metal
Box size	480 x 280 x 300 mm
Box weight	6.3 kg
Quantity in Box	288 pcs
ROHS compliant	yes 🛈

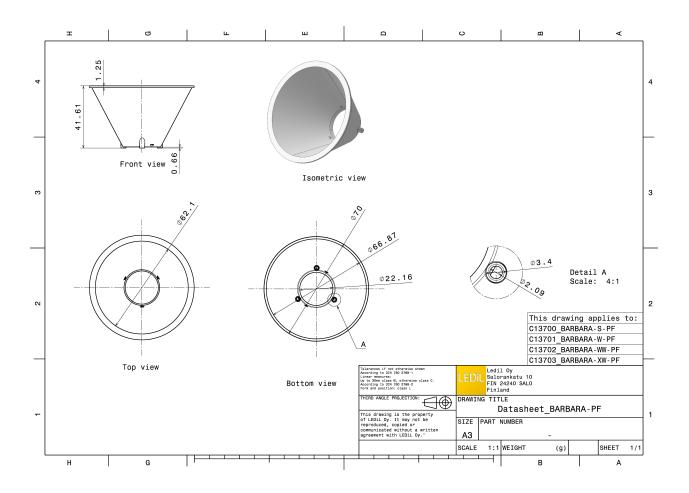


PRODUCT DATASHEET F13702_BARBARA-WW-PF

MATERIAL SPECIFICATIONS:

Component
BARBARA-WW-PF

Type Reflector Material PC **Colour** metal Coating HMDS PRODUCT DATASHEET F13702_BARBARA-WW-PF





PHOTOMETRIC DATA (MEASURED):

bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4	White nents: DCKET-VERO13-18	27 64 65 66 66 66 66 66 66 66 66 66
bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4	White nents: DCKET-VERO13-18	
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13708_PF-S0	White	
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC	White	

PRODUCT DATASHEET



PHOTOMETRIC DATA (MEASURED):

bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S0	White	59°
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC	White	25
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC	White	50°
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S0 Bender Wirth: 4	CLL02x/CLU02x (LES10) 43.0° 88 % 1.600 cd/lm 1 White ents: DCKET-VERO13-18	5° 6° 6° 6° 100 100 100 100 100 100 100 10

PRODUCT DATASHEET



CITIZE	Ν			90*	90*
LED	CLL03x/CLU03x				
FWHM	50.0°			75*	77
Efficiency	86 %			400	\sim
Peak intensity	1.300 cd/lm			60°	60°
LEDs/each optic				$\perp \times / \mid$	\times
Light colour	White			5°	45°
Required compo					
	OCKET-VERO13-18				
Bender Wirth:					
Dender wirtin.	455 TYP E1			1230	
				30° 0°	72° 3¢•
CITIZE	N			not l	
					907
LED	CLU700/701			75*	3"
FWHM	28.0°			$ \land $	
Efficiency	88 %			60°	60°
Peak intensity	2.100 cd/lm				
LEDs/each optic					
Light colour	White				
Required compo		-		1600	HA
	OCKET-VERO13-18				
Bender Wirth:	434 Typ L1				
				30° 0°	15° 36°
CITIZE	N			90°	90*
CITIZE				90*	90*
LED	CLU720/721			50°	90°
LED FWHM	CLU720/721 43.0°			99* 75* 40	25.
LED FWHM Efficiency	CLU720/721 43.0° 86 %			99* 75 60*	95°
LED FWHM Efficiency Peak intensity	CLU720/721 43.0° 86 % cd/lm			99* 25- 69*	66. 26.
LED FWHM Efficiency Peak intensity LEDs/each optic	CLU720/721 43.0° 86 % cd/lm 1			99* 75 60 90	84 194
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CLU720/721 43.0° 86 % cd/lm 1 White			99* 75 69* 69* 000	60 60 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required composition	CLU720/721 43.0° 86 % cd/lm 1 White nents:			99* 99* 69* 69* 800	92 92 94
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compose C13709_PF-S	CLU720/721 43.0° 86 % cd/lm 1 White nents: OCKET-VER013-18			99* 95* 95* 95* 900 900	99 90 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required composition	CLU720/721 43.0° 86 % cd/lm 1 White nents: OCKET-VER013-18			99° 99° 60° 60°	8. 9. 9.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compose C13709_PF-S	CLU720/721 43.0° 86 % cd/lm 1 White nents: OCKET-VER013-18			99° 75 69° 75 75 75 70 70 70 70 70 70 70 70 70 70 70 70 70	12. 26. 26. 26. 26. 26. 26. 26. 26.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S Bender Wirth:	CLU720/721 43.0° 86 % cd/lm 1 White nents: OCKET-VERO13-18 433 Typ L1			99° 99° 99° 99° 99° 99° 99° 99° 99° 99°	122. 122. 95. 95. 95. 95.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compose C13709_PF-S Bender Wirth:	CLU720/721 43.0° 86 % cd/lm 1 White hents: OCKET-VERO13-18 433 Typ L1			99° 99° 99° 99° 99° 99° 99° 90° 12'0 90°	80* 10* 10* 10* 10* 10* 10* 10* 10* 10* 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compose C13709_PF-S Bender Wirth:	CLU720/721 43.0° 86 % cd/lm 1 White hents: OCKET-VERO13-18 433 Typ L1			39° 39° 99° 99° 99° 99° 99° 99°	12 12 12 12 12 12 12 12 12 12 12 12 12 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compose C13709_PF-S Bender Wirth:	CLU720/721 43.0° 86 % cd/lm 1 White nents: OCKET-VERO13-18 433 Typ L1 CXA/B 15xx 40.0°			99° 75 66° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90	22. 20. 20. 20. 20. 20. 20. 20. 20. 20.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S Bender Wirth: CREE LED FWHM Efficiency	CLU720/721 43.0° 86 % cd/lm 1 White hents: OCKET-VERO13-18 433 Typ L1 CXA/B 15xx 40.0° 89 %			99° 75 69° 99° 99° 99° 99° 75 60° 60° 60° 60° 60° 60° 60° 60° 60° 60°	80 10 10 10 10 10 10 10 10 10 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compose C13709_PF-S Bender Wirth: CREE LED FWHM Efficiency Peak intensity	CLU720/721 43.0° 86 % cd/lm 1 White nents: OCKET-VERO13-18 433 Typ L1 CXA/B 15xx 40.0° 89 % 1.800 cd/lm				12
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compol C13709_PF-S Bender Wirth: CREE ED FWHM Efficiency Peak intensity LEDs/each optic	CLU720/721 43.0° 86 % cd/lm 1 White hents: OCKET-VERO13-18 433 Typ L1 CXA/B 15xx 40.0° 89 % 1.800 cd/lm 1				20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S Bender Wirth: CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CLU720/721 43.0° 86 % cd/lm 1 White hents: OCKET-VERO13-18 433 Typ L1 CXA/B 15xx 40.0° 89 % 1.800 cd/lm 1 White			99* 99* 99* 99* 99* 99* 99* 99* 99* 99*	90 10 10 10 10 10 10 10 10 10 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S Bender Wirth: CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required comport	CLU720/721 43.0° 86 % cd/lm 1 White hents: OCKET-VERO13-18 433 Typ L1 CXA/B 15xx 40.0° 89 % 1.800 cd/lm 1 White hents:			99° 99° 99° 99° 99° 99° 99° 99° 99° 99°	100 100 100 100 100 100 100 100 100 100
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S Bender Wirth: CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required comport	CLU720/721 43.0° 86 % cd/lm 1 White hents: OCKET-VERO13-18 433 Typ L1 CXA/B 15xx 40.0° 89 % 1.800 cd/lm 1 White				95 95 95 95 95 95 95 95 95 95 95 95
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S Bender Wirth: CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required comport	CLU720/721 43.0° 86 % cd/lm 1 White hents: OCKET-VERO13-18 433 Typ L1 CXA/B 15xx 40.0° 89 % 1.800 cd/lm 1 White hents:			99* 99* 99* 99* 99* 99* 99* 99* 99* 99*	81 12 12 12 12 12 12 12 12 12 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S Bender Wirth: CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required comport	CLU720/721 43.0° 86 % cd/lm 1 White hents: OCKET-VERO13-18 433 Typ L1 CXA/B 15xx 40.0° 89 % 1.800 cd/lm 1 White hents:				100 100 100 100 100 100 100 100



F13702_BARBARA-WW-PF

PRODUCT DATASHEET

CREE \$	M	90 ⁴ 90 ⁴
LED	CXA/B 15xx	
FWHM	51.0°	
Efficiency	85 %	60 ⁴ 60 ⁰
Peak intensity	1.200 cd/lm	
LEDs/each optic	1	
Light colour	White	9°
Required compor	nents:	
C13083_PF-S0		
	ARA-RZ-LENS	
		30 ⁶ 1200 32 ⁶
CREE ≑		90*
LED	CXA/B 15xx	
FWHM	41.0°	75
Efficiency	87 %	
Peak intensity	1.700 cd/lm	60° 60°
LEDs/each optic		
Light colour	White	13 ⁴ 33 ⁴
Required compor		
	DCKET-VERO13-18	1220
Bender Wirth:		
	нчті тур ⊏т	1530
		30° 30° 30°
CREE \$		90 ⁴
	CXA/B 1816 & CXA/B 1820 & CXA 1850	90 ⁴
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
LED FWHM	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0°	60 ⁴ 60 ⁴ 90 ⁴ 90 ⁴
LED FWHM Efficiency	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm	100
LED FWHM Efficiency Peak intensity	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm	97 - 60 99 - 90 99 - 90
LED FWHM Efficiency Peak intensity LEDs/each optic	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White	27 - 40 - 97 - 97 - 97 - 97 - 97 - 97 - 97 - 9
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White	27 - 170 170
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White thents:	50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White thents:	20°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14115_PF-S0	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White hents: DCKET-CXA15-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14115_PF-SC	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White hents: DCKET-CXA15-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14115_PF-SC	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White hents: DCKET-CXA15-18 CXA/B 1816 & CXA/B 1820 & CXA 1850	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14115_PF-SC	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White nents: DCKET-CXA15-18 CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14115_PF-SC CREE LED FWHM Efficiency	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White nents: DCKET-CXA15-18 CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 86 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14115_PF-SC CREE LED FWHM Efficiency Peak intensity	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White nents: DCKET-CXA15-18 CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 86 % 1.400 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14115_PF-SC CREE LED FWHM Efficiency Peak intensity LEDs/each optic	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White nents: DCKET-CXA15-18 CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 86 % 1.400 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14115_PF-SC CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White nents: DCKET-CXA15-18 CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 86 % 1.400 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14115_PF-SC CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White hents: DCKET-CXA15-18 CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 86 % 1.400 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14115_PF-SC CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White hents: DCKET-CXA15-18 CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 86 % 1.400 cd/lm 1 White hents: DCKET-VERO13-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14115_PF-SC CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White hents: DCKET-CXA15-18 CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 86 % 1.400 cd/lm 1 White hents: DCKET-VERO13-18	97 97 98 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14115_PF-SC CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC	CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 90 % 1.600 cd/lm 1 White hents: DCKET-CXA15-18 CXA/B 1816 & CXA/B 1820 & CXA 1850 46.0° 86 % 1.400 cd/lm 1 White hents: DCKET-VERO13-18	25 64 60 10 10 10 10 10 10 10 10 10 10 10 10 10



UMILI	EDS	50° A
LED	LUXEON CoB 1202/1203	
FWHM	39.0°	75
Efficiency	88 %	605
Peak intensity	1.700 cd/lm	
LEDs/each optic	1	
Light colour	White	55°
Required compon		
	DCKET-VERO13-18	
Bender Wirth: 4	138 Typ L1	1600
		30, 125, 0, 12,
Ø NICHIΛ		95 ⁴
LED	СОВ Ј-Туре	
FWHM	55.0°	
Efficiency	90 %	60.400
Peak intensity	1.220 cd/lm	
LEDs/each optic		
Light colour	White	5°
Required compon		
C14037_PF-NS	SX-SOCKET	
		1200
		30*
		15° 0° 15°
Μ ΝΙCΗΙΛ		125 ¹ 0 ⁴ 12 ⁴
	СОВ Ј-Туре	13% o ⁴ 13*
		20° 0 ⁴ 12°
LED FWHM Efficiency	COB J-Type 51.0° 86 %	125 [°] 0 ⁴ 12 ⁴
LED FWHM Efficiency Peak intensity	COB J-Type 51.0° 86 % 1.300 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	COB J-Type 51.0° 86 % 1.300 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White tents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White ents: DCKET-VERO13-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White ents: DCKET-VERO13-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White ents: DCKET-VERO13-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White vents: DCKET-VERO13-18 163 Typ L2	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White vents: DCKET-VERO13-18 163 Typ L2 COB L-Type (LES 11)	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White lents: DCKET-VERO13-18 163 Typ L2 COB L-Type (LES 11) 46.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White eents: DCKET-VERO13-18 163 Typ L2 COB L-Type (LES 11) 46.0° 87 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White ents: DCKET-VERO13-18 163 Typ L2 COB L-Type (LES 11) 46.0° 87 % 1.500 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White ents: DCKET-VERO13-18 163 Typ L2 COB L-Type (LES 11) 46.0° 87 % 1.500 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White ents: DCKET-VERO13-18 163 Typ L2 COB L-Type (LES 11) 46.0° 87 % 1.500 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4 MICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White tents: DCKET-VERO13-18 163 Typ L2 COB L-Type (LES 11) 46.0° 87 % 1.500 cd/lm 1 White tents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4 WICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White tents: DCKET-VERO13-18 163 Typ L2 COB L-Type (LES 11) 46.0° 87 % 1.500 cd/lm 1 White tents: DCKET-VERO13-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4 MICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	COB J-Type 51.0° 86 % 1.300 cd/lm 1 White tents: DCKET-VERO13-18 163 Typ L2 COB L-Type (LES 11) 46.0° 87 % 1.500 cd/lm 1 White tents: DCKET-VERO13-18	



Mauguna		
XICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C14037_PF-NS	COB L-Type (LES 11) 51.0° 90 % 1.330 cd/lm 1 White ents:	24, 12, 6, 12, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4	COB L-Type (LES 9) 41.0° 89 % 1.700 cd/lm 1 White ents: DCKET-VERO13-18	25° 0° 12° 26° 0° 27° 0° 12° 28° 0° 39° 0° 39° 0° 39° 0° 39° 0° 39° 0° 39°
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C14037_PF-NS	COB L-Type (LES 9) 47.0° 91 % 1.500 cd/lm 1 White ents:	24° 250 26° 27° 25° 28° 25° 25° 28° 25° 28° 25° 28° 25° 28° 25° 28° 28° 25° 28° 28° 28° 28° 28° 28° 28° 28° 28° 28
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4	White ents: DCKET-VERO13-18	



SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S0 Bender Wirth: 4	LC026B / 033B / 040B 55.0° 86 % 1.100 cd/lm 1 White tents: DCKET-VERO13-18	30, 10,
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S0 Bender Wirth: 4	SLE G5 LES11 43.0° 89 % 1.600 cd/lm 1 White tents: DCKET-VER013-18	25° 0° 0° 0° 25° 0° 0° 0° 0° 25° 0° 0° 25° 0° 0° 25° 0° 0° 25° 0° 0°
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14636_XTM-	XTM - 19mm LES 55.0° 84 % 1.100 cd/lm 1 White tents:	30, 50,
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14636_XTM-	XTM - 9mm LES 42.0° 87 % 1.700 cd/lm 1 White eents:	



PHOTOMETRIC DATA (SIMULATED):

bridgelux.	
LED	VERO10
FWHM	66.0°
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic 1	
	hite
Required component	IS:
bridgelux.	
LED	VERO13
FWHM	67.0°
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic 1	
	hite
Required component	
bridgelux.	
LED	VERO18
FWHM	68.0°
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic 1	
	hite
Required component	
	US
LED	 CxM-14 (19x19)
FWHM	50.0°
Efficiency	86 %
Peak intensity	00 % 1.300 cd/lm
LEDs/each optic 1	
	hite
Required component	
C13709_PF-SOC	
Bender Wirth: 433	тур ст
L	

PRODUCT DATASHEET



PHOTOMETRIC DATA (SIMULATED):

	NUS	
LED	CxM-9 (13.5x13.5)	
FWHM	43.0°	
Efficiency	88 %	
Peak intensity	1.600 cd/lm	
LEDs/each optic		
0	White	
Required compon		
	DCKET-VERO13-18	
Bender Wirth: 4	I34 Typ L1	
OSRAM		90 ⁴
Opto Semiconductors	Soleriq S15	
FWHM	73.0°	75
Efficiency	90 %	20.20
Peak intensity	0.770 cd/lm	69*** · · · · · · · · · · · · · · · · · ·
LEDs/each optic		
	White	gr 400 gr
Required compon		
	DCKET-VERO13-18	
Bender Wirth: 4		
		30° 30°
SEOUL SEOUL SEMICONDUCTOR		
LED	ZC12/18	
FWHM	50.0°	
Efficiency	86 %	
Peak intensity	1.300 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compon-	ents:	
	DCKET-VERO13-18	
Bender Wirth: 4	133 Typ L1	
SEOUL SEOUL SEMICONDUCTOR		
LED	ZC4/6	
FWHM	43.0°	
Efficiency	88 %	
Peak intensity	1.600 cd/lm	
LEDs/each optic		
	White	
Required compon		
	OCKET-VERO13-18	
Bender Wirth: 4		

PRODUCT DATASHEET





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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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