

BARBARA-S-PF

~15° spot beam

TECHNICAL SPECIFICATIONS:

Dimensions Ø 70.0 mm Height Fastening ROHS compliant

41.7 mm socket yes 🛈

MATERIAL SPECIFICATIONS:

Component BARBARA-S-PF

Туре Reflector Material PC



PRODUCT DATASHEET

F13700_BARBARA-S-PF

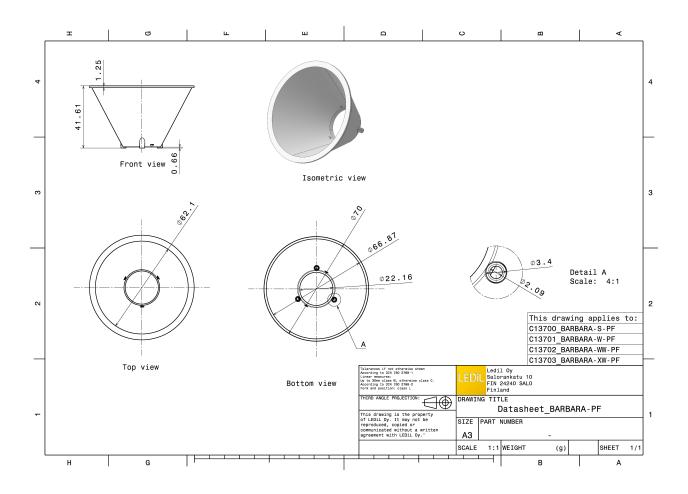
Colour	Finish	Coating
metal		HMDS

ORDERING INFORMATION:

Component F13700_BARBARA-S-PF » Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
288	90	18	6.1

PRODUCT DATASHEET F13700_BARBARA-S-PF





bridgelux. LED FWHM	V10 Gen7 14.0°	27
Efficiency	88 %	
Peak intensity	7.5 cd/lm	69*
LEDs/each optic		
Light colour	White	a5* a5*
Required compor		400
	DCKET-VERO13-18	
Bender Wirth: 4		400
Bender Wirtin.		30" 000 127 07 127 30-
bridgelux.		
LED	V15 Gen6	
FWHM	18.0°	
Efficiency	92 %	
Peak intensity	4.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compor	ents:	
C13709_PF-S0	OCKET-VERO13-18	
Bender Wirth: 4	56 Typ L2	
bridgelux.		
LED	V8 Gen6	
FWHM	13.0°	
Efficiency	86 %	
Peak intensity	10.6 cd/lm	
LEDs/each optic		
Light colour	White	
Required compor		
	OCKET-VERO13-18	
Bender Wirth: 4	60 Typ L1	
		7
bridgelux.		90° 90°
LED	VERO10	75.
FWHM	13.0°	
Efficiency	90 %	60° 60°
Peak intensity	9.3 cd/lm	
LEDs/each optic		
Light colour	White	gr dat
Required compor		699
C13708_PF-S0	OCKET-VERO10	
		30° 9000 30°
		15° 0° 15°



bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S0	White	91 ⁴ 75 64 64 60 60 60 60 60 60 60 60 60 60
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S0	White	20 20 20 20 20 20 20 20 20 20
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S0	White	
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S0	White	20 20 20 20 20 20 20 20 20 20



CITIZE	N	90* 90*
LED	CLL02x/CLU02x (LES10)	
FWHM	12.0°	75'
Efficiency	89 %	
Peak intensity	9.2 cd/lm	60 ⁶ 2200 60 ⁴
LEDs/each optic		
Light colour	White	gr
Required compor		6400
	DCKET-VERO13-18	
Bender Wirth: 4		
		30° 950 30°
CITIZE	NT	15° 0° 15°
		90* 90*
LED	CLL03x/CLU03x	75
FWHM	16.0°	
Efficiency	88 %	60°
Peak intensity	5.1 cd/lm	
LEDs/each optic		
Light colour	White	43°
Required compor		
	DCKET-VERO13-18	\times
Bender Wirth: 4	433 Typ L1	(600)
		30° 31° 31°
CITIZE	N	90° 90°
		50* 50*
LED	CLU720/721	90 ⁺ 75 ⁻ 75 ⁻
LED FWHM	CLU720/721 14.0°	91 ⁴ 194 196
LED FWHM Efficiency	CLU720/721 14.0° 87 %	97 77 99 90 90 60
LED FWHM Efficiency Peak intensity	CLU720/721 14.0° 87 % 7.3 cd/lm	95
LED FWHM Efficiency Peak intensity LEDs/each optic	CLU720/721 14.0° 87 % 7.3 cd/lm	54 50 50 50 50 50 50 50 50 50 50 50 50 50
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White	57 50 57 57 57 57 57 57 57 57 57 57 57 57 57
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White hents:	91 ⁴ 194 194 194 196 196 196 197 197 197 197 197 197 197 197
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S0	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White hents: DCKET-VERO13-18	97 97 79 99 99 90 90 90 90 90 90 90 90 90 90 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White hents: DCKET-VERO13-18	54" 57" 55" 56" 57" 50" 50" 50" 50" 50" 50" 50" 50" 50" 50
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S0	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White hents: DCKET-VERO13-18 433 Typ L1	39* 300 30* 39* 300 30*
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White hents: DCKET-VERO13-18 433 Typ L1	94* 94* 95* 960 96* 96* 96* 96* 96* 97* 96* 97* 96* 97* 96* 97* 96* 97* 96* 97* 97* 96* 97* 97* 97* 97* 97* 97* 97* 97
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White hents: DCKET-VERO13-18 433 Typ L1 CXA/B 15xx	51 ⁴ 51
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White hents: DCKET-VERO13-18 433 Typ L1 CXA/B 15xx 13.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4 CREE LED FWHM Efficiency	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White nents: DCKET-VERO13-18 433 Typ L1 CXA/B 15xx 13.0° 85 %	94 97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4 CREE LED FWHM Efficiency Peak intensity	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White nents: DCKET-VERO13-18 433 Typ L1 CXA/B 15xx 13.0° 85 % 7.4 cd/lm	500 500 500 500 500 500 500 500
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4 CREE LED FWHM Efficiency Peak intensity LEDs/each optic	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White hents: DCKET-VERO13-18 433 Typ L1 CXA/B 15xx 13.0° 85 % 7.4 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4 CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White hents: DCKET-VERO13-18 433 Typ L1 CXA/B 15xx 13.0° 85 % 7.4 cd/lm 1 White	94 94 75 95 95 95 95 95 95 95 95 95 9
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4 CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White hents: DCKET-VERO13-18 433 Typ L1 CXA/B 15xx 13.0° 85 % 7.4 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4 CREE ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13083_PF-SC	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White hents: DCKET-VERO13-18 433 Typ L1 CXA/B 15xx 13.0° 85 % 7.4 cd/lm 1 White hents: DCKET	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4 CREE ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13083_PF-SC	CLU720/721 14.0° 87 % 7.3 cd/lm 1 White hents: DCKET-VERO13-18 433 Typ L1 CXA/B 15xx 13.0° 85 % 7.4 cd/lm 1 White hents:	



CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4	CXA/B 15xx 15.0° 89 % 6.9 cd/lm 1 White tents: DCKET-VERO13-18	200 200 200 200 200 200 200 200 200 200
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C14115_PF-SC	CXA/B 15xx 14.0° 91 % 8.6 cd/lm 1 White	30, 30, 20, 20, 20, 20, 20, 20, 20, 2
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C14115_PF-SC	CXA/B 1816 & CXA/B 1820 & CXA 1850 15.0° 92 % 6.8 cd/lm 1 White	30. 30. 50. 60. 50. 60. 60. 60. 60. 60. 60. 60. 6
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4	CXA/B 1816 & CXA/B 1820 & CXA 1850 14.0° 86 % 6.1 cd/lm 1 White tents: DCKET-VERO13-18	200 200 200 200 200 200 200 200



PHOTOMETRIC DATA (MEASURED):

Clumination Content of the second state of the	LUXEON CoB 1202/1203 12.0° 90 % 10.6 cd/lm 1 White ents:	3r, 92, 9, 12, 5, 2r, 9, 12, 5, 6r, 9, 12, 5, 7, 12, 12, 12, 12, 12, 12, 12, 12, 12, 1
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13709_PF-SC Bender Wirth: 4	LUXEON CoB 1202/1203 14.0° 88 % 7.3 cd/lm 1 White ents: DCKET-VERO13-18	200 000 000 000 000 000 000 000 000 000
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13761_PF-SC	LUXEON CoB 1202s 9.0° 90 % 19.6 cd/lm 1 White ents:	
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C14037_PF-NS	White ents:	500 500 500 500 500 500 500 500

Last update: 24/11/2019Subject to change without prior noticePublished: 02/05/2018LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.7/15



MNICHIA		90* 90*
LED	СОВ Ј-Туре	
FWHM	17.0°	
Efficiency	88 %	50° 1000 50°
Peak intensity	4.6 cd/lm	\land \land \land \land \land \land \land \land
LEDs/each optic	1	
Light colour	White	e.
Required compor		3200
	OCKET-VERO13-18	
Bender Wirth:	63 Typ L2	
		30° 4800 30°
ØNICHIA		90° 90°
LED	COB L-Type (LES 11)	
FWHM	14.0°	78*
Efficiency	86 %	500 500 - save
Peak intensity	6.1 cd/lm	$r \times / / \cdots \times \gamma$
LEDs/each optic	1	
Light colour	White	gz ² 43*
Required compor		
	OCKET-VERO13-18	4000
Bender Wirth:	38 Typ L1	\times / \vee \times
		30° 6430 34°
Ø NICHIA		90*
LED	COB L-Type (LES 11)	
FWHM	15.0°	1000
Efficiency	90 %	69°
Peak intensity	6.8 cd/lm	
LEDs/each optic		
Light colour	White	\$2°
Required compor		
C14037_PF-N	SX-SOCKET	\times
		6630
		30° 15° 0° 15° 30°
Ø NICHIA		
/		90° 90°
LED	COB L-Type (LES 9)	
*	13.0°	33° 30°
LED FWHM Efficiency	13.0° 90 %	
LED FWHM Efficiency Peak intensity	13.0° 90 % 8.4 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	13.0° 90 % 8.4 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	13.0° 90 % 8.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	13.0° 90 % 8.4 cd/lm 1 White ents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S0	13.0° 90 % 8.4 cd/lm 1 White ents: DCKET-VERO13-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	13.0° 90 % 8.4 cd/lm 1 White ents: DCKET-VERO13-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-S0	13.0° 90 % 8.4 cd/lm 1 White ents: DCKET-VERO13-18	



\sim		
XICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14037_PF-NS	COB L-Type (LES 9) 13.0° 90 % 10.1 cd/lm 1 White nents:	50° 50° 60° 50° 60° 60° 60° 60° 50° 60° 60° 60° 60° 60° 60° 60° 60°
Efficiency Peak intensity LEDs/each optic Light colour Required compor C14037_PF-NS	NSCxL036A 11.0° 89 % 14.1 cd/lm 1 White tents:	90* 39 30* 39 60* 605 605 505 605 605 605 605 605
Ostransported opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4	White nents: DCKET-VERO13-18	30° 612 52 90° 62 90° 62 90
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13709_PF-SC Bender Wirth: 4	LC026B / 033B / 040B 20.0° 88 % 3.7 cd/lm 1 White hents: DCKET-VERO13-18	



XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14636_XTM-	XTM - 19mm LES 20.0° 88 % 3.6 cd/lm 1 White pents:	200 200 200 200 200 200 200 200
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14636_XTM-	XTM - 9mm LES 12.0° 90 % 9.3 cd/lm 1 White pents:	34* 300 34* 300 36* 300



PHOTOMETRIC DATA (SIMULATED):

bridgelux.		90* po*
LED	V10 Gen7	
FWHM	12.0°	23.
Efficiency	91 %	
Peak intensity	9.4 cd/lm	\wedge $/$ $/$ \wedge \wedge \wedge
LEDs/each optic	1	
Light colour	White	97°
Required component		6330
C13709_PF-SOCI		
Bender Wirth: 486		\times / \vee \times
		30° 30° 30°
		(15°, of 15°,
bridgelux.		
LED	VERO10	
FWHM	13.0°	
Efficiency	0 %	
LEDs/each optic	1	
Light colour	White	
Required component		
bridgelux.		
LED	VERO13	
FWHM	15.0°	
Efficiency	0 %	
LEDs/each optic Light colour	1 White	
Required component		
Required component	15.	
bridgelux.		
LED	VERO18	
FWHM	21.0°	
Efficiency	0 %	
LEDs/each optic	1	
Light colour	White	
Required component		
1	ts:	
	ts:	
	ts:	
	ts:	



PRODUCT DATASHEET

F13700_BARBARA-S-PF

PHOTOMETRIC DATA (SIMULATED):

CREE ≑

LEDCXA/B 15xxFWHM12.0°Efficiency0 %LEDs/each optic1Light colourWhiteRequired components:

LED	LUXEON CoB Compact	
FWHM	9.0°	
Efficiency	90 %	
Peak intensity	19.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
C13761_PF-SOCK	ET-CXA15	

 LED
 CxM-14 (19x19)

 FWHM
 16.0°

 Efficiency
 88 %

 Peak intensity
 5.1 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 C13709_PF-SOCKET-VERO13-18

 Bender Wirth: 433 Tyr L1
 Ket State

 LED
 CxM-9 (13.5x13.5)

 FWHM
 12.0°

 Efficiency
 89 %

 Peak intensity
 9.2 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required componentstructure
 C13709_PF-SOCK=T-VERO13-18

 Bender Wirth: 434 ⊤y L1
 L1



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		90* 90*
LED	Soleriq S15	
FWHM	20.0°	73*
Efficiency	88 %	
Peak intensity	4 cd/lm	60* 60* 60*
LEDs/each optic	1	
Light colour	White	g-
Required componen		
C13709_PF-SOC		4520
Bender Wirth: 433		
	· · · · · ·	
SAMSU	NG	50° 50°
LED	LC010C	Â
FWHM	9.1°	75*
Efficiency	89 %	
Peak intensity	16.3 cd/lm	60° 60'
LEDs/each optic	1	
Light colour	White	g- / / / / / / / / / / / / / / / / / / /
Required componen		
C13709_PF-SOC		1200
Bender Wirth: 479		
	· · · · · ·	
		300
		15° 0° 15°
SAMSU	VG	90°
SAMSU		<u>394</u> <u>997</u>
LED	LC020C	25° 0° 35°
LED FWHM	LC020C 10.0°	25. 26. 26. 27. 28. 29. 29. 29. 29. 29. 29. 29. 29
LED FWHM Efficiency	LC020C 10.0° 89 %	
LED FWHM Efficiency Peak intensity	LC020C 10.0° 89 % 12.3 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	LC020C 10.0° 89 % 12.3 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LC020C 10.0° 89 % 12.3 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18	Gr 800 Gr 800 Sol 90 Sol 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC Bender Wirth: 479	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18 9 Typ L1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC Bender Wirth: 479	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18 9 Typ L1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC Bender Wirth: 479	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18 9 Typ L1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC Bender Wirth: 479	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18 9 Typ L1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC Bender Wirth: 479 SAMSUT LED FWHM	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18 9 Typ L1 VG LC040C 13.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC Bender Wirth: 479 SAMSUT LED FWHM Efficiency	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18 9 Typ L1 VG LC040C 13.0° 85 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC Bender Wirth: 479 SAMSUN LED FWHM Efficiency Peak intensity	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18 9 Typ L1 VG LC040C 13.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC Bender Wirth: 479 SAMSUT LED FWHM Efficiency Peak intensity LEDs/each optic	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18 9 Typ L1 VG LC040C 13.0° 85 % 7.3 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC Bender Wirth: 479 SAMSUT LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18 0 Typ L1 VG LC040C 13.0° 85 % 7.3 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC Bender Wirth: 479 SAMSUT LED FWHM Efficiency Peak intensity LEDs/each optic	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18 9 Typ L1 VG LC040C 13.0° 85 % 7.3 cd/lm 1 White tts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC Bender Wirth: 479 SAMSUN LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18 9 Typ L1 VG LC040C 13.0° 85 % 7.3 cd/lm 1 White tts: KET-VERO13-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13709_PF-SOC Bender Wirth: 479 SAMSUT LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LC020C 10.0° 89 % 12.3 cd/lm 1 White tts: KET-VERO13-18 9 Typ L1 VG LC040C 13.0° 85 % 7.3 cd/lm 1 White tts: KET-VERO13-18	



PHOTOMETRIC DATA (SIMULATED):

L		
SEOUL		
SEOUL SEMICONDUCTOR		
LED	ZC12/18	
FWHM	16.0°	
Efficiency	88 %	
Peak intensity	5.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer	nts:	
C13709_PF-SOCKET-VERO13-18		
Bender Wirth: 433 Typ L1		
SEOUL		
SEOUL SEMICONDUCTOR		
LED	ZC4/6	
FWHM	12.0°	
Efficiency	89 %	
Peak intensity	9.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
C13709_PF-SOC	CKET-VERO13-18	
Bender Wirth: 434 Typ L1		
	••	

PRODUCT DATASHEET

F13700_BARBARA-S-PF



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:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy

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