mail

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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BARBARA-XW-PF

White version with ${\sim}75^{\circ}$ wide beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 70 mm
Height	41.7 mm
Fastening	socket
Colour	white
Box size	480 x 280 x 300 mm
Box weight	8.4 kg
Quantity in Box	288 pcs
ROHS compliant	yes 🛈



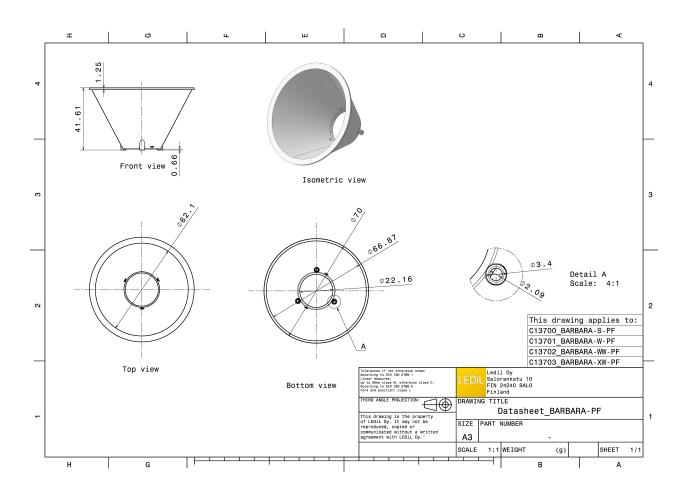
Coating

F13703_BARBARA-XW-PF

PRODUCT DATASHEET

MATERIAL SPECIFICATIONS:

Component BARBARA-XW-PF **Type** Reflector Material HRPC **Colour** white



R



PHOTOMETRIC DATA (MEASURED):

bridgelux.		
LED	V15 Gen6	
FWHM	71.0°	
Efficiency	89 %	
Peak intensity	0.720 cd/lm	
Required comp	onents:	
C13709_PF-	SOCKET-VERO13-18	
Bender Wirth	: 456 Typ L2	
bridgelux.		90*
LED	V8 Gen6	75
FWHM	74.0°	
Efficiency	90 %	
Peak intensity	0.630 cd/lm	
Required comp	onents:	40°
C13761_PF-	SOCKET-CXA15	
		30° 50° 30°
bridgelux.		90 ⁺
LED	VERO13	755
FWHM	72.0°	200
Efficiency	93 %	60°
Peak intensity	0.670 cd/lm	
Required comp	onents:	45° 460
C13709_PF-	SOCKET-VERO13-18	
		un and a second s
		30° 30° 30°
bridgelux.		90° 90°
LED	VERO18	75*
FWHM	72.0°	
Efficiency	93 %	60 ⁴ 50 ⁴
Peak intensity		
Required comp		45° 440 43°
	SOCKET-VERO13-18	
		36*
		15° 0° 15°



bridgelux. LED FWHM Efficiency Peak intensity Required comp C13709_PF		20 92 92 92 92 92 92 92 92 92 92 92 92 92
bridgelux. LED FWHM Efficiency Peak intensity Required comp C13709_PF		21° 0° 72° 21° 0° 72° 21° 0° 21° 0°
	CLL02x/CLU02x (LES10) 70.0° 90 % 0.720 cd/lm	31, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
	CLU700/701 70.0° 90 % 0.770 cd/lm	20 20 20 20 20 20 20 20 20 20



CREE 4	TN .	90 ⁴
LED	CXA/B 15xx	781
FWHM	70.0°	
Efficiency	90 %	60 ⁵
Peak intensity	0.720 cd/lm	400
Required comp	onents:	47°
C13709_PF-	SOCKET-VERO13-18	
Bender Wirth	: 441 Typ L1	
		30-
CREE 4	TH .	90*
LED	CXA/B 15xx	75.
FWHM	73.0°	
Efficiency	85 %	es
Peak intensity	0.600 cd/lm	
Required comp	onents:	@*
C13083_PF-	SOCKET	
C14658_BAF	RBARA-RZ-LENS	
		30° 60 30° 30°
CREE -	n.	
LED	CXA/B 15xx	
FWHM	70.0°	
Efficiency	92 %	
Peak intensity	0.760 cd/lm	
Required comp	onents:	
C14115_PF-	SOCKET-CXA15-18	
CREE ÷	The second se	90* 90*
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	75
FWHM	70.0°	200
Efficiency	93 %	60*
Peak intensity		400
Required comp		
C14115_PF-	SOCKET-CXA15-18	200
		30" 30"
		20, 200 10



	CXA/B 1816 & CXA/B 1820 & CXA 1850 67.0° 82 % 0.700 cd/lm	20, 20, 0, R2, X 20, 0, 0, R2, X 6, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
	FDS	
LED FWHM Efficiency Peak intensity Required com	LUXEON CoB 1202/1203 71.0° 92 % 0.720 cd/lm	
	EDS	90° 90
LED FWHM Efficiency Peak intensity Required comp C13709_PF	LUXEON CoB 1202/1203 71.0° 90 % 0.710 cd/lm	2 ³ ¹ ² ² ² ² ² ² ² ²
UMIL	.EDS	
LED FWHM Efficiency Peak intensity Required com C13761_PF		



∕ NICHI∧	N Contraction of the second seco	80°	90*
LED	COB J-Type	7	
FWHM	72.0°		
Efficiency	93 %	9 ¹	604
Peak intensity	0.660 cd/lm		
Required comp	ponents:	9 ⁴ (************************************	
C14037_PF-	-NSX-SOCKET		
		30* 12 0*	12°. 30,
ØNICHI	N Contraction of the second se	50*	90'
LED	COB J-Type		
FWHM	70.0°		
Efficiency	89 %	99	60.
Peak intensity	0.670 cd/lm		
Required comp	oonents:		47
C13709_PF-	-SOCKET-VERO13-18		
Bender Wirth	h: 463 Typ L2		-
		30 - 10 - 04	15° 36°
ØNICHI	N Contraction of the second seco	sr.	90*
LED	COB L-Type (LES 11)	77	
FWHM	70.0°		
Efficiency	90 %	99	
Peak intensity	0.680 cd/lm		
Required comp	oonents:		
C13709_PF-	-SOCKET-VERO13-18		
Bender Wirth	h: 438 Typ L1		$- \wedge $
		90° 100	15° 36'
Ø NICHI∕	N Contraction of the second se	90°	90
LED	COB L-Type (LES 11)	77	
FWHM	72.0°		$\mathcal{N}\mathcal{N}$
Efficiency	93 %	50	
Peak intensity	0.680 cd/lm		
Required comp	oonents:		6
C14037_PF-	-NSX-SOCKET		
		30	38
			**



	k	90°
LED FWHM Efficiency Peak intensity Required comp C14037_PF-		
ØNICHI		904
LED FWHM Efficiency Peak intensity Required comp C13709_PF-	COB L-Type (LES 9) 70.0° 90 % 0.710 cd/lm	
ØNICHI		94
LED FWHM Efficiency Peak intensity Required comp C14037_PF-	NSCxL036A 71.0° 91 % 0.690 cd/lm	
OSRAM Opto Semiconductors		
LED FWHM Efficiency Peak intensity Required comp C13083_PF- C14658_BA	oonents:	



PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity Required comp C14115_PF-			94 ⁴ 97 97 98 90 90 90 90 90 90 90 90 90 90 90 90 90
OSRAM			
opto Semiconductors LED FWHM Efficiency Peak intensity Required comp C13709_PF- Bender Wirth	onents: SOCKET-VERO13-18		200 200 200 200 200 200 200 200
OSRAM Opto Semiconductors			90 ⁴
LED FWHM Efficiency Peak intensity Required comp C13761_PF-	Soleriq P6 73.0° 92 % 0.700 cd/lm ponents: SOCKET-CXA15		20 20 20 20 20 20 20 20 20 20
OSRAM Opto Semiconductors		and the second se	50°
LED FWHM Efficiency Peak intensity Required comp C13709_PF- Bender Wirth	onents: SOCKET-VERO13-18		27 - 20 27 - 20 27 - 20 29 - 27 - 27 20 20 20 20 20 20 20 20 20 20



PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors		90* 92*
LED	Soleriq P9	75
FWHM	73.0°	200
Efficiency	92 %	60* 60*
Peak intensity	0.680 cd/lm	
Required comp	oonents:	400 - 400 - C
C13761_PF-	SOCKET-CXA15	
		30° 25° 0° 35°
OSRAM Opto Semiconductors		90 ⁴ 90 ⁴
LED	Soleriq P9	787
FWHM	71.0°	20
Efficiency	90 %	60* 60*
Peak intensity	0.710 cd/lm	
Required comp	oonents:	
C13709_PF-	SOCKET-VERO13-18	
Bender Wirth	i: 461 Typ L1	
		36, 12, 6, 12, 34,
OSRAM Opto Semiconductors		90°
LED	Soleriq S13	73
FWHM	70.0°	
Efficiency	90 %	60* 60*
Peak intensity	0.690 cd/lm	
Required comp	oonents:	age - 460 - 600
C13709_PF-	SOCKET-VERO13-18	
Bender Wirth	i: 437 Typ L1	
		30 00 15 30
S ΛΜSI	JNG	90° 30°
LED	LC026B / 033B / 040B	75.
FWHM	70.0°	
Efficiency	90 %	60*
Peak intensity	0.560 cd/lm	
Required comp	oonents:	454 400 45*
C13709_PF-	SOCKET-VERO13-18	
Bender Wirth	a: 450 Typ L2	
		304 344
		15° 0° 35°



TRIDON	IIC	50°
LED	SLE G5 LES11	75
FWHM	70.0°	290
Efficiency	90 %	60.2
Peak intensity	0.700 cd/lm	
Required comp	onents:	g g.
C13709_PF-	SOCKET-VERO13-18	
Bender Wirth	: 434 Typ L1	36° - 15° - 35°
XICATO)	80*
LED	XTM - 19mm LES	75'
FWHM	70.0°	
Efficiency	83 %	60 ²
Peak intensity	0.600 cd/lm	
Required comp	onents:	at a second and a second and a second a
C14636_XTN	<i>I</i> -PF-ADAPTER	200- 200- 200- 200- 200- 200- 200- 200-
XICATO		90 ⁴ 90 ⁴
LED	XTM - 9mm LES	72
FWHM	70.0°	200
Efficiency	86 %	60° (10°)
Peak intensity	0.700 cd/lm	
Required comp	onents:	
C14636_XTN	<i>I</i> -PF-ADAPTER	26° - 12° - 0° - 12° - 20°



PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED V10 Gen7 FWHM 66.0° Efficiency 88 % Peak intensity 0.900 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 Bender Wirth: 434 Typ L1

UMILEDS

 LED
 LUXEON CoB Compact

 FWHM
 75.0°

 Efficiency
 92 %

 Peak intensity
 0.700 cd/lm

 Required components:
 C13761_PF-SOCKET-CXA15

 LED
 CXM-14

 FWHM
 70.0°

 Efficiency
 90 %

 Peak intensity
 0.700 cd/lm

 Required components:
 C13709_PF-SOCKET-VERO13-18

 Bender Wirth: 433 Typ L1

LED CXM-9 FWHM 70.0° Efficiency 90 % Peak intensity 0.720 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (SIMULATED):

OSRAM		
Opto Semiconductors		90*
LED	Soleriq S15	75
FWHM	74.0°	en
Efficiency	95 %	
Peak intensity	0.680 cd/lm	
Required compo		
	OCKET-VERO13-18	
Bender Wirth:	433 Typ L1	
		30" 30" 30"
SAMSU	NG	30 ⁴ 39 ³
LED	LC010C	75
FWHM	66.0°	200
Efficiency	89 %	
Peak intensity	0.910 cd/lm	
Required compo	nents:	er
C13709_PF-S	OCKET-VERO13-18	
Bender Wirth:	479 Typ L1	
		24°
SAMSU	NG	90 ⁴
LED	LC020C	77
FWHM	70.0°	294
Efficiency	88 %	en et
Peak intensity	0.810 cd/lm	
Required compo	nents:	¢. (
	OCKET-VERO13-18	
Bender Wirth:		
		34-
SAMSU	NG	20° V 15°
LED	LC040C	
FWHM	70.0°	
Efficiency	84 %	
Peak intensity	0.730 cd/lm	
Required compo		
	OCKET-VERO13-18	
Bender Wirth:		
		30° 30 30° 30



PHOTOMETRIC DATA (SIMULATED):

SEOUL	
LED	ZC12/18
FWHM	70.0°
Efficiency	90 %
Peak intensity	0.680 cd/lm
Required compo	nents:
C13709_PF-S0	OCKET-VERO13-18
Bender Wirth:	433 Typ L1
SEOUL	
SEOUL SEMICONDUCTOR	
LED	ZC4/6
FWHM	70.0°
Efficiency	90 %
Peak intensity	0.720 cd/lm
Required compo	nents:
C13709_PF-S0	OCKET-VERO13-18
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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