

BARBARA-S-PF

~15° spot beam

SPECIFICATION:

Ø 70.0 mm **Dimensions** Height 41.7 mm Fastening socket **ROHS** compliant yes 🕕



PRODUCT DATASHEET

MATERIALS:

Material Colour **Finish** Component **Type** Coating **BARBARA-S-PF** Reflector PC **HMDS** metal

ORDERING INFORMATION:

» Box size: 480 x 280 x 300 mm

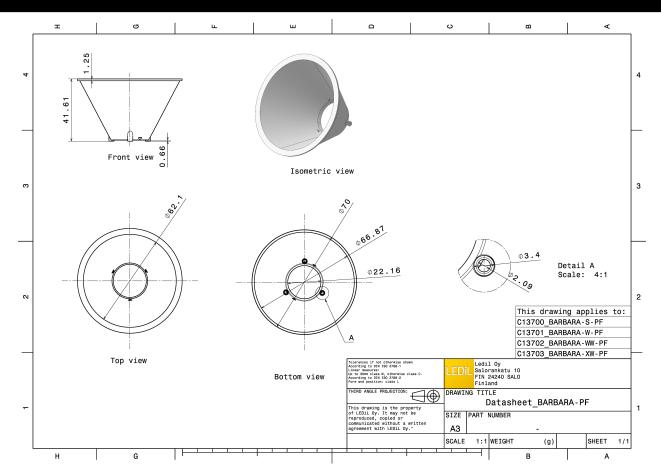
Component Qty in box MOQ MPQ Box weight (kg)

F13700_BARBARA-S-PF 288 90 18 5.8

Published: 02/05/2018



PRODUCT DATASHEET F13700_BARBARA-S-PF



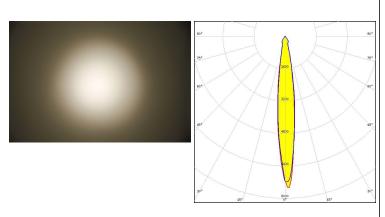
See also our general installation guide: www.ledil.com/installation_guide



bridgelux

LED V10 Gen7
FWHM / FWTM 14.0° / 30.0°
Efficiency 88 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 434 Typ L1



Light distribution files

bridgelux.

LED V15 Gen6
FWHM / FWTM 18.0° / 52.0°
Efficiency 92 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 456 Typ L2



Light distribution files



LED V8 Gen6
FWHM / FWTM 13.0° / 28.0°
Efficiency 86 %
Peak intensity 10.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 460 Typ L1



Light distribution files





 LED
 VERO10

 FWHM / FWTM
 13.0° / 27.0°

 Efficiency
 90 %

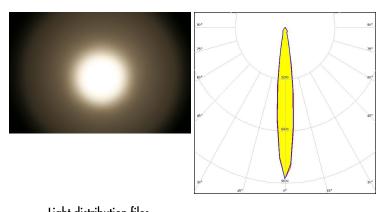
 Peak intensity
 9.3 cd/lm

 LEDs/each optic
 1

 Light colour/type
 White

 Required components:

C13708_PF-SOCKET-VERO10

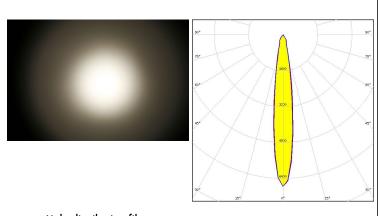


Light distribution files



LED VERO13
FWHM / FWTM 15.0° / 35.0°
Efficiency 91 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components: C13709_PF-SOCKET-VERO13-18

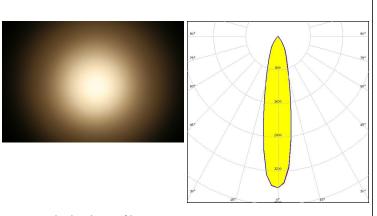


Light distribution files



LED VERO18
FWHM / FWTM 22.0° / 58.0°
Efficiency 91 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C13709_PF-SOCKET-VERO13-18



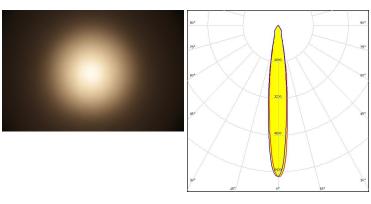
Light distribution files





LED Xenio Point 13mm 14.0° / 33.0° FWHM / FWTM Efficiency 91 % Peak intensity 6.6 cd/lm LEDs/each optic White Light colour/type Required components:

C13709_PF-SOCKET-VERO13-18

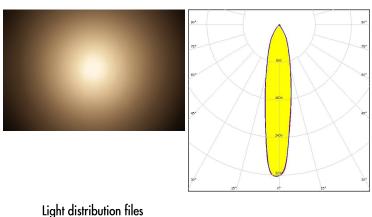


Light distribution files



Xenio Point 18mm FWHM / FWTM 21.0° / 60.0° Efficiency 86 % Peak intensity 3.2 cd/lm LEDs/each optic Light colour/type White Required components:

C13709_PF-SOCKET-VERO13-18

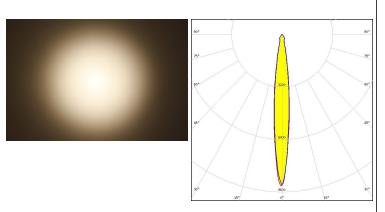


CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM / FWTM 12.0° / 27.0° Efficiency 89 % Peak intensity 9.2 cd/lm LEDs/each optic 1 Light colour/type White Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 434 Typ L1



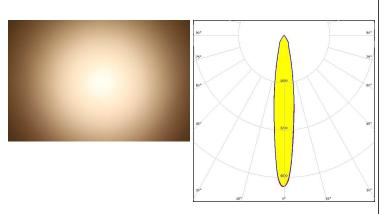
Light distribution files



CITIZEN

CLL03x/CLU03x LED 16.0° / 42.0° FWHM / FWTM Efficiency 88 % Peak intensity 5.1 cd/lm LEDs/each optic White Light colour/type Required components:

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

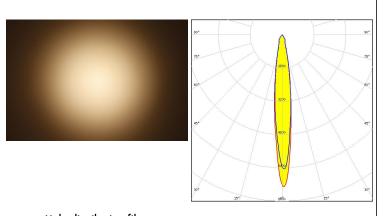


Light distribution files

CITIZEN

CLU720/721/723 FWHM / FWTM 14.0° / 33.0° Efficiency 87 % Peak intensity 7.3 cd/lm LEDs/each optic Light colour/type White Required components:

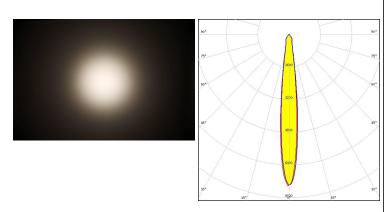
C13709_PF-SOCKET-VERO13-18 Bender Wirth: 433 Typ L1



Light distribution files

CREE \$

LED CXA/B 15xx $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 13.0° / 29.0° Efficiency 85 % Peak intensity 7.4 cd/lm LEDs/each optic Light colour/type White Required components: C13083_PF-SOCKET C14658_BARBARA-RZ-LENS



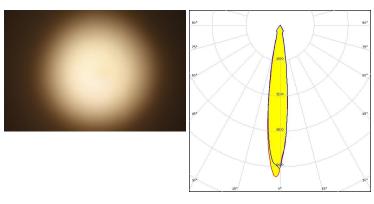
Light distribution files



CREE +

LED CXA/B 15xx
FWHM / FWTM 15.0° / 30.0°
Efficiency 89 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 441 Typ L1

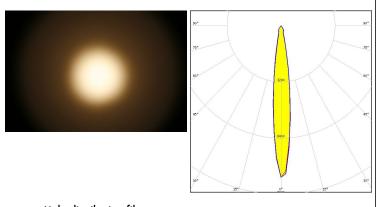


Light distribution files

CREE ÷

LED CXA/B 15xx
FWHM / FWTM 14.0° / 29.0°
Efficiency 91 %
Peak intensity 8.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C14115_PF-SOCKET-CXA15-18



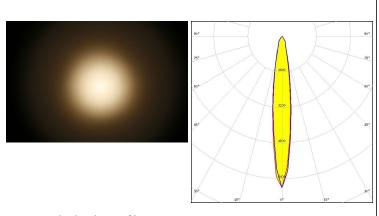
Light distribution files

CREE -

LED CXA/B 1816 & CXA/B 1820 & CXA 1850

FWHM / FWTM 15.0° / 36.0°
Efficiency 92 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C14115_PF-SOCKET-CXA15-18



Light distribution files

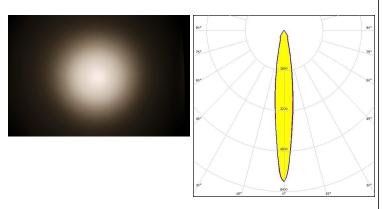


CREE +

LED CXA/B 1816 & CXA/B 1820 & CXA 1850

FWHM / FWTM 14.0° / 36.0°
Efficiency 86 %
Peak intensity 6.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 437 Typ L1



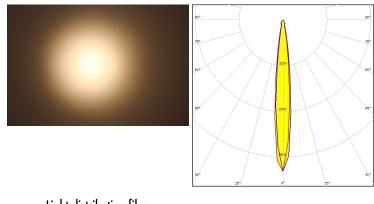
Light distribution files

MILEDS

LED LUXEON CoB 1202/1203

FWHM / FWTM 12.0° / 25.0°
Efficiency 90 %
Peak intensity 10.6 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:
C14037_PF-NSX-SOCKET



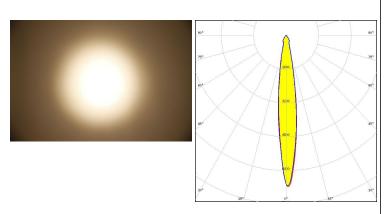
Light distribution files

DESCRIPTION

LED LUXEON CoB 1202/1203

FWHM / FWTM 14.0° / 30.0°
Efficiency 88 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 438 Typ L1



Light distribution files



MUMILEDS

LED LUXEON CoB 1202s

FWHM / FWTM 9.0° / 18.0°

Efficiency 90 %

Peak intensity 19.6 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15

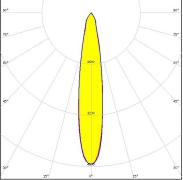


Light distribution files

WNICHIA

LED COB J-Type
FWHM / FWTM 19.0° / 44.0°
Efficiency 91 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14037_PF-NSX-SOCKET





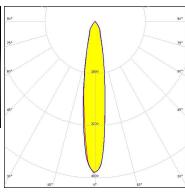
Light distribution files

WNICHIA

LED COB J-Type
FWHM / FWTM 17.0° / 45.0°
Efficiency 88 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 463 Typ L2





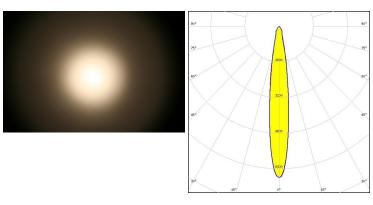
Light distribution files



WNICHIA

COB L-Type (LES 11)

FWHM / FWTM 15.0° / 33.0° Efficiency 90 % Peak intensity 6.8 cd/lm LEDs/each optic White Light colour/type Required components: C14037_PF-NSX-SOCKET



Light distribution files

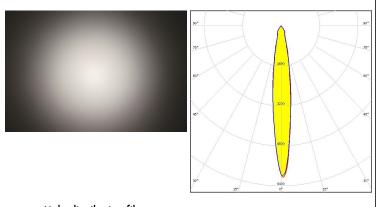
WNICHIA

COB L-Type (LES 11)

FWHM / FWTM 14.0° / 35.0° Efficiency 86 % Peak intensity 6.1 cd/lm LEDs/each optic Light colour/type White

Required components: C13709_PF-SOCKET-VERO13-18

Bender Wirth: 438 Typ L1



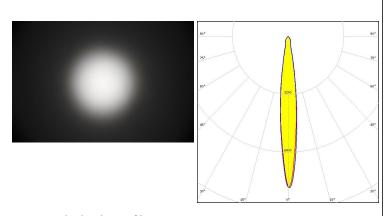
Light distribution files

WNICHIA

LED COB L-Type (LES 9)

FWHM / FWTM 13.0° / 27.0° Efficiency 90 % Peak intensity 8.4 cd/lm LEDs/each optic Light colour/type White Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 438 Typ L1



Light distribution files

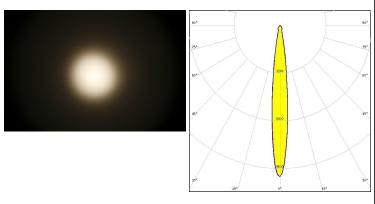


WNICHIA

LED COB L-Type (LES 9)

FWHM / FWTM 13.0° / 26.0° Efficiency 90 % Peak intensity 10.1 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:
C14037_PF-NSX-SOCKET

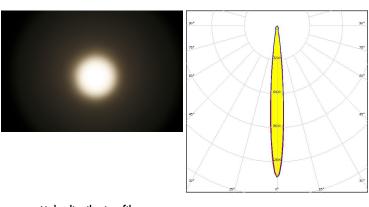


Light distribution files

WNICHIA

LED NSCxL036A FWHM / FWTM 11.0° / 21.0° Efficiency 89 % Peak intensity 14.1 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:
C14037_PF-NSX-SOCKET

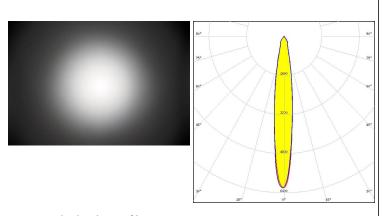


Light distribution files

OSRAM Onto Semiconductors

LED Soleriq S13
FWHM / FWTM 14.0° / 35.0°
Efficiency 89 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 437 Typ L1



Light distribution files



SAMSUNG

LED LC026B / 033B / 040B

FWHM / FWTM 20.0° / 57.0°

Efficiency 88 %

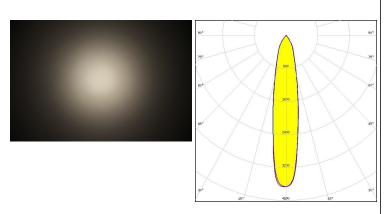
Peak intensity 3.7 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 450 Typ L2



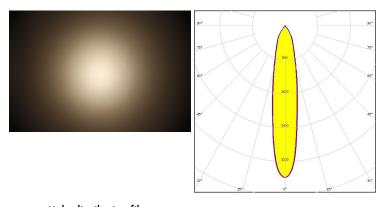
Light distribution files

XICATO

LED XTM - 19mm LES
FWHM / FWTM 20.0° / 58.0°
Efficiency 88 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1

Light colour/type White Required components:

C14636_XTM-PF-ADAPTER



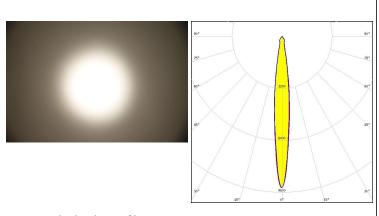
Light distribution files

XICATO

LED XTM - 9mm LES FWHM / FWTM 12.0° / 26.0°

Efficiency 90 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components: C14636_XTM-PF-ADAPTER



Light distribution files



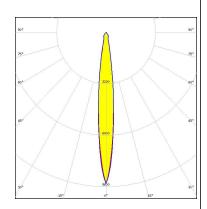
bridgelux

LED V10 Gen7
FWHM / FWTM 12.0° / 27.0°
Efficiency 91 %
Peak intensity 9.4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 486 Typ L1



Light distribution files

bridgelux

LED VERO10
FWHM / FWTM 13.0°
Efficiency 0 %
LEDs/each optic 1
Light colour/type White

Required components:

Light distribution files

bridgelux

LED VERO13
FWHM / FWTM 15.0°
Efficiency 0 %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



bridgelux

LED VERO18 FWHM / FWTM 21.0° Efficiency 0 % LEDs/each optic Light colour/type White Required components:

Light distribution files

CREE \$

LED CXA/B 15xx FWHM / FWTM 12.0° Efficiency 0 % LEDs/each optic Light colour/type White Required components:

MUMILEDS

LUXEON CoB Compact

FWHM / FWTM 9.0° / 18.0° Efficiency 90 % Peak intensity 19.6 cd/lm LEDs/each optic Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15

Light distribution files





 LED
 CxM-14 (19x19)

 FWHM / FWTM
 16.0° / 42.0°

 Efficiency
 88 %

 Peak intensity
 5.1 cd/lm

LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1

Light distribution files

ELUMINUS

LED CxM-9 (13.5x13.5)

FWHM / FWTM 12.0° / 27.0°
Efficiency 89 %
Peak intensity 9.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1

Light distribution files

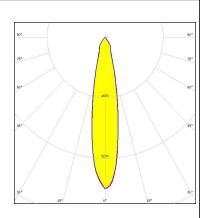
OSRAM Onto Semiconductors

LED Soleriq S15
FWHM / FWTM 20.0° / 47.0°
Efficiency 88 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1



Light distribution files



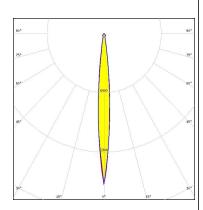
SAMSUNG

LFD LC010C $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 9.1° / 19.0° Efficiency 89 % Peak intensity 16.3 cd/lm

LEDs/each optic 1 Light colour/type White

Required components: C13709_PF-SOCKET-VERO13-18

Bender Wirth: 479 Typ L1



Light distribution files

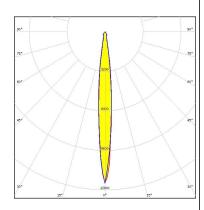
SAMSUNG

LFD LC020C FWHM / FWTM 10.0° / 23.0° Efficiency 89 % Peak intensity 12.3 cd/lm LEDs/each optic 1 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 479 Typ L1



Light distribution files

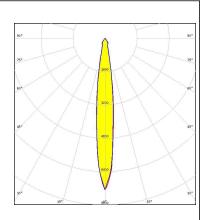
SAMSUNG

LC040C FWHM / FWTM 13.0° / 30.0° Efficiency 85 % Peak intensity 7.3 cd/lm LEDs/each optic White Light colour/type

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 480 Typ L1



Light distribution files





LED ZC12/18
FWHM / FWTM 16.0° / 42.0°
Efficiency 88 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1



LED ZC4/6
FWHM / FWTM 12.0° / 27.0°
Efficiency 89 %
Peak intensity 9.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-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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Distribution Partners

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