PRODUCT DATASHEET F13701_BARBARA-W-PF

BARBARA-W-PF

~35° wide beam

SPECIFICATION:

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



MATERIALS:

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

ORDERING INFORMATION:

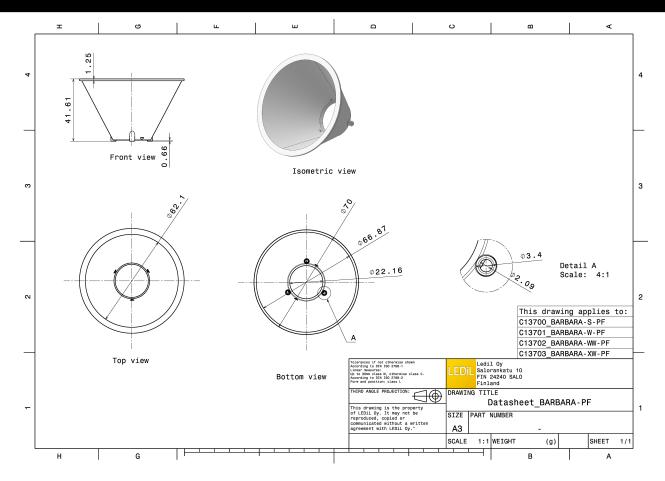
Component Qty in box MOQ MPQ Box weight (kg)

F13701_BARBARA-W-PF 288 90 18 5.6

» Box size: 480 x 280 x 300 mm



PRODUCT F13701_BARBARA-W-PF



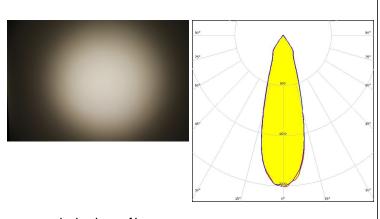
See also our general installation guide: www.ledil.com/installation_guide





LED V10 Gen7
FWHM / FWTM 31.0° / 70.0°
Efficiency 90 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

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

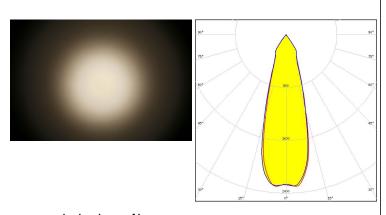


Light distribution files

bridgelux.

LED VERO10
FWHM / FWTM 31.0° / 71.0°
Efficiency 91 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C13708_PF-SOCKET-VERO10

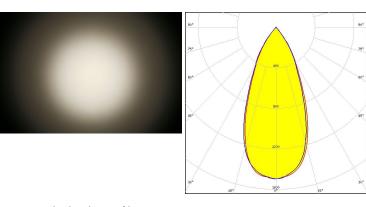


Light distribution files

bridgelux.

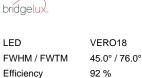
LED VERO13
FWHM / FWTM 36.0° / 72.0°
Efficiency 93 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C13709_PF-SOCKET-VERO13-18



Light distribution files

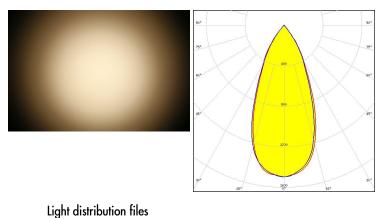




Peak intensity 1.5 cd/lm LEDs/each optic White Light colour/type

Required components:

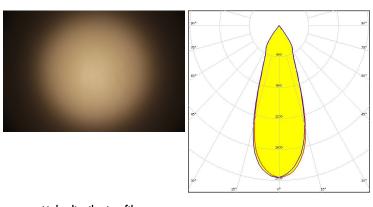
C13709_PF-SOCKET-VERO13-18





Xenio Point 13mm FWHM / FWTM 36.0° / 73.0° Efficiency 91 % Peak intensity 2 cd/lm LEDs/each optic Light colour/type White Required components:

C13709_PF-SOCKET-VERO13-18



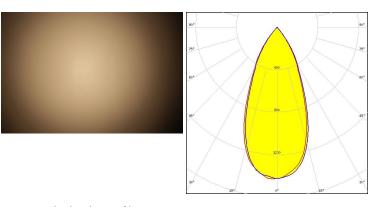
Light distribution files



LED Xenio Point 18mm $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 46.0° / 77.0° Efficiency 89 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18



Light distribution files

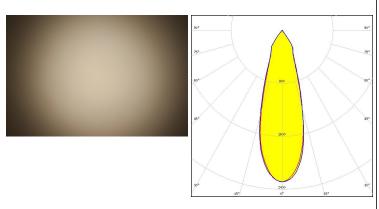


CITIZEN

CLL02x/CLU02x (LES10) LED

FWHM / FWTM 32.0° / 71.0° Efficiency 88 % Peak intensity 2.3 cd/lm LEDs/each optic White Light colour/type Required components:

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



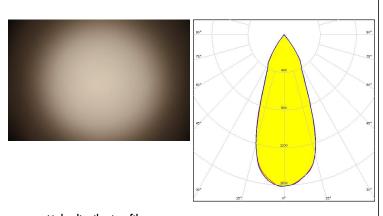
Light distribution files

CITIZEN

Required components:

CLL03x/CLU03x FWHM / FWTM 41.0° / 73.0° Efficiency 87 % Peak intensity 1.6 cd/lm LEDs/each optic Light colour/type White

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



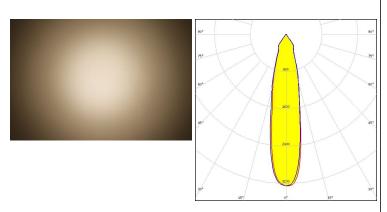
Light distribution files

CITIZEN

LED CLU700/701/702/703

FWHM / FWTM 22.0° / 61.0° Efficiency 89 % Peak intensity 3.3 cd/lm LEDs/each optic Light colour/type White Required components:

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



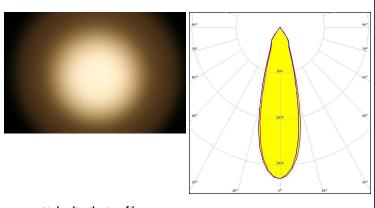
Light distribution files



CREE \$

CXA/B 15xx LED 30.0° / 69.0° FWHM / FWTM Efficiency 91 % Peak intensity 2.6 cd/lm LEDs/each optic White Light colour/type Required components:

C14115_PF-SOCKET-CXA15-18

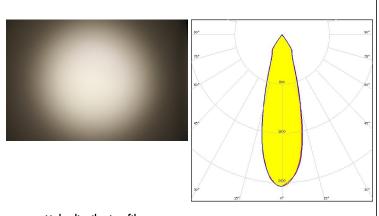


Light distribution files

CREE \$

CXA/B 15xx FWHM / FWTM 30.0° / 70.0° Efficiency 88 % Peak intensity 2.5 cd/lm LEDs/each optic Light colour/type White Required components:

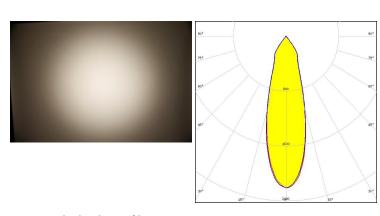
C13709_PF-SOCKET-VERO13-18 Bender Wirth: 441 Typ L1



Light distribution files

CREE \$

LED CXA/B 15xx $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 30.0° / 73.0° Efficiency 85 % Peak intensity 2.2 cd/lm LEDs/each optic Light colour/type White Required components: C13083_PF-SOCKET C14658_BARBARA-RZ-LENS



Light distribution files

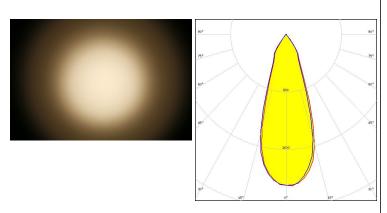


CREE +

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

FWHM / FWTM 36.0° / 71.0°
Efficiency 94 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C14115_PF-SOCKET-CXA15-18



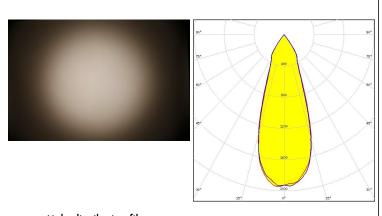
Light distribution files

CREE \$

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

FWHM / FWTM 36.0° / 72.0°
Efficiency 88 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

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

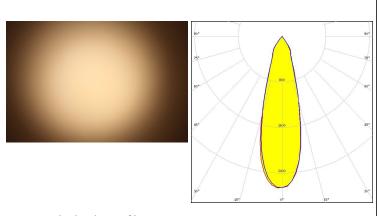


Light distribution files

DESCRIPTION DESCRIPTION

LED LUXEON CoB 1202/1203

FWHM / FWTM 30.0° / 68.0°
Efficiency 91 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14037_PF-NSX-SOCKET



Light distribution files

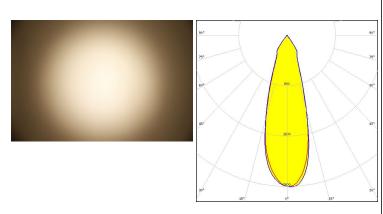


LUMILEDS

LUXEON CoB 1202/1203

FWHM / FWTM 31.0° / 70.0° Efficiency 90 % Peak intensity 2.4 cd/lm LEDs/each optic White Light colour/type Required components:

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



Light distribution files



LUXEON CoB 1202s

FWHM / FWTM 20.0° / 52.0° Efficiency 92 % Peak intensity 4.1 cd/lm LEDs/each optic Light colour/type White

Required components:

C13761_PF-SOCKET-CXA15



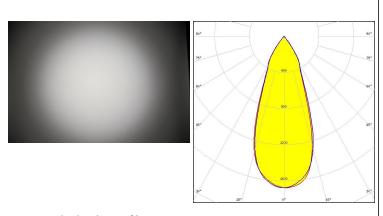
Light distribution files

WNICHIA

LED COB J-Type FWHM / FWTM 40.0° / 73.0° Efficiency 88 % Peak intensity 1.7 cd/lm LEDs/each optic White

Light colour/type Required components:

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

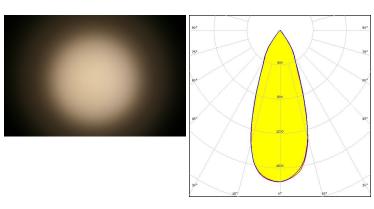


Light distribution files



WNICHIA

COB J-Type FWHM / FWTM 41.0° / 74.0° Efficiency 92 % Peak intensity 1.8 cd/lm LEDs/each optic White Light colour/type Required components: C14037_PF-NSX-SOCKET



Light distribution files

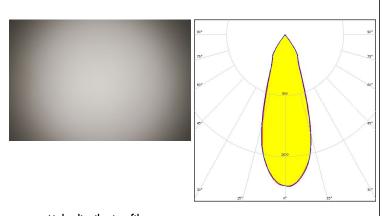
WNICHIA

COB L-Type (LES 11)

FWHM / FWTM 35.0° / 72.0° Efficiency 88 % Peak intensity 2 cd/lm LEDs/each optic Light colour/type White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 438 Typ L1



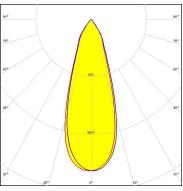
Light distribution files



LED COB L-Type (LES 11)

FWHM / FWTM 35.0° / 71.0° Efficiency 91 % Peak intensity 2.1 cd/lm LEDs/each optic Light colour/type White Required components: C14037_PF-NSX-SOCKET





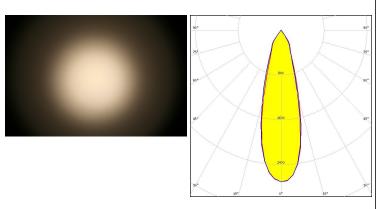
Light distribution files



WNICHIA

COB L-Type (LES 9)

FWHM / FWTM 30.0° / 68.0° Efficiency 92 % Peak intensity 2.7 cd/lm LEDs/each optic White Light colour/type Required components: C14037_PF-NSX-SOCKET



Light distribution files

WNICHIA

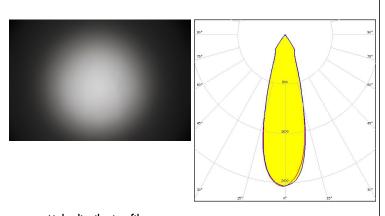
COB L-Type (LES 9)

FWHM / FWTM 30.0° / 70.0° Efficiency 91 % Peak intensity 2.5 cd/lm LEDs/each optic

Light colour/type White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 438 Typ L1

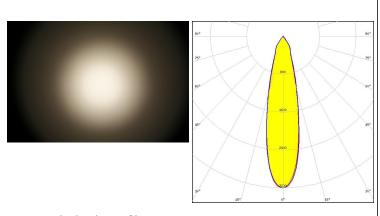


Light distribution files

WNICHIA

LED NSCxL036A FWHM / FWTM 25.0° / 60.0° Efficiency 90 % Peak intensity 3.2 cd/lm LEDs/each optic Light colour/type White Required components:

C14037_PF-NSX-SOCKET



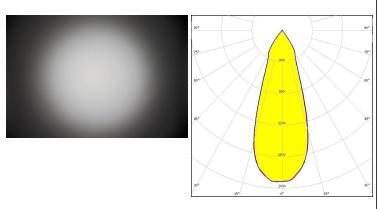
Light distribution files



OSRAM Opto Semiconductors

Soleriq S13 37.0° / 72.0° FWHM / FWTM Efficiency 89 % Peak intensity 1.9 cd/lm LEDs/each optic White Light colour/type Required components:

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



Light distribution files

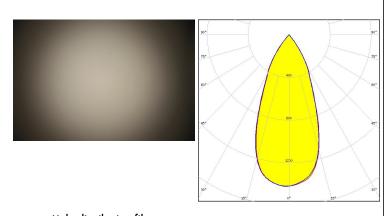
SAMSUNG

LC026B / 033B / 040B

FWHM / FWTM 45.0° / 76.0° Efficiency 87 % Peak intensity 1.4 cd/lm LEDs/each optic

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 45.0° / 75.0°

Efficiency 86 % Peak intensity 1.4 cd/lm LEDs/each optic Light colour/type White

Required components: C14636_XTM-PF-ADAPTER

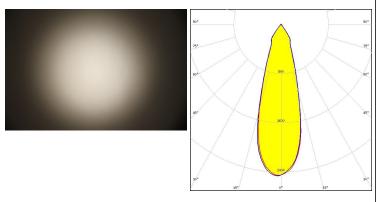
Light distribution files



XICATO

LED XTM - 9mm LES
FWHM / FWTM 30.0° / 70.0°
Efficiency 89 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C14636_XTM-PF-ADAPTER



Light distribution files

Published: 02/05/2018

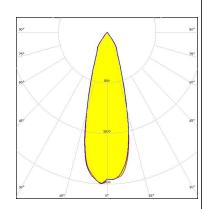


bridgelux

LED V10 Gen7
FWHM / FWTM 31.0° / 69.0°
Efficiency 90 %
Peak intensity 2.5 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 30.0°
Efficiency %
LEDs/each optic 1
Light colour/type White

Required components:

Light distribution files

bridgelux

LED VERO13
FWHM / FWTM 34.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:



bridgelux

LED VERO18 FWHM / FWTM 43.0° Efficiency LEDs/each optic Light colour/type White Required components:

Light distribution files

CREE \$

CXA/B 15xx LED FWHM / FWTM 28.0° Efficiency % LEDs/each optic 1 Light colour/type White Required components:

MUMILEDS

LUXEON CoB Compact

FWHM / FWTM 20.0° / 52.0° Efficiency 92 % Peak intensity 4.1 cd/lm LEDs/each optic Light colour/type White Required components:

C13761_PF-SOCKET-CXA15





 LED
 CxM-14 (19x19)

 FWHM / FWTM
 41.0° / 73.0°

 Efficiency
 87 %

 Peak intensity
 1.6 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 32.0° / 71.0°
Efficiency 88 %
Peak intensity 2.3 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

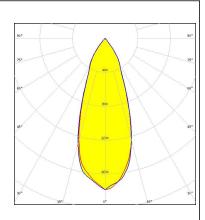
OSRAM Onto Semiconductors

LED Soleriq S15
FWHM / FWTM 39.0° / 74.0°
Efficiency 90 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1





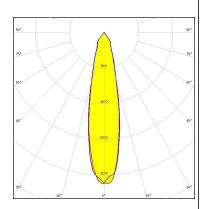
SAMSUNG

LFD LC010C $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 23.0° / 54.0° Efficiency 90 % Peak intensity 3.5 cd/lm LEDs/each optic Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

Light distribution files Bender Wirth: 479 Typ L1



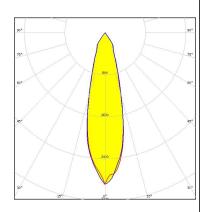
SAMSUNG

LFD LC020C 27.0° / 65.0° FWHM / FWTM Efficiency 89 % Peak intensity 2.9 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

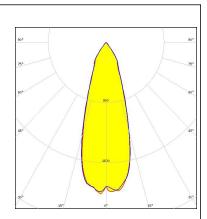
SAMSUNG

LC040C FWHM / FWTM 33.0° / 70.0° Efficiency 85 % Peak intensity 2.1 cd/lm LEDs/each optic White Light colour/type

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 480 Typ L1







LED ZC12/18
FWHM / FWTM 41.0° / 73.0°
Efficiency 87 %
Peak intensity 1.6 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 32.0° / 71.0°
Efficiency 88 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1

Published: 02/05/2018



PRODUCT DATASHEET F13701_BARBARA-W-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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDIL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405, Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support

www.ledil.com/ where_to_buy

Shipping locations

Poznan, Poland Hong Kong, China

Distribution Partners

18/18

www.ledil.com/ where_to_buy