

BARBARA-S-PF

~15° spot beam

TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

Component **Type** Material **BARBARA-S-PF** Reflector PC

Colour **Finish** Coating metal **HMDS**

ORDERING INFORMATION:

Component

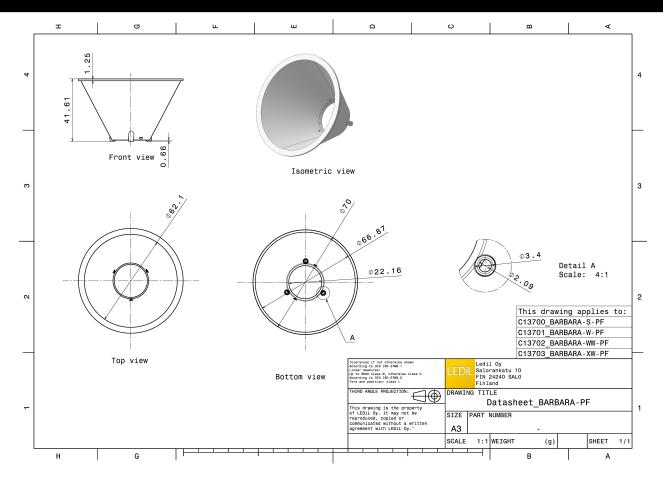
F13700_BARBARA-S-PF

» 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



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

2/14



bridgelux LED V10 Gen7 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 14.0° / 30.0° Efficiency 88 % Peak intensity 7.5 cd/lm LEDs/each optic Light colour White Required components: C13709_PF-SOCKET-VERO13-18 Bender Wirth: 434 Typ L1 bridgelux. LED V15 Gen6



FWHM / FWTM 18.0° / 52.0°
Efficiency 92 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 456 Typ L2

bridgelux.

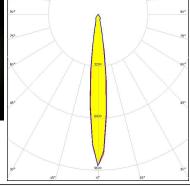
LED V8 Gen6
FWHM / FWTM 13.0° / 28.0°
Efficiency 86 %
Peak intensity 10.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 460 Typ L1



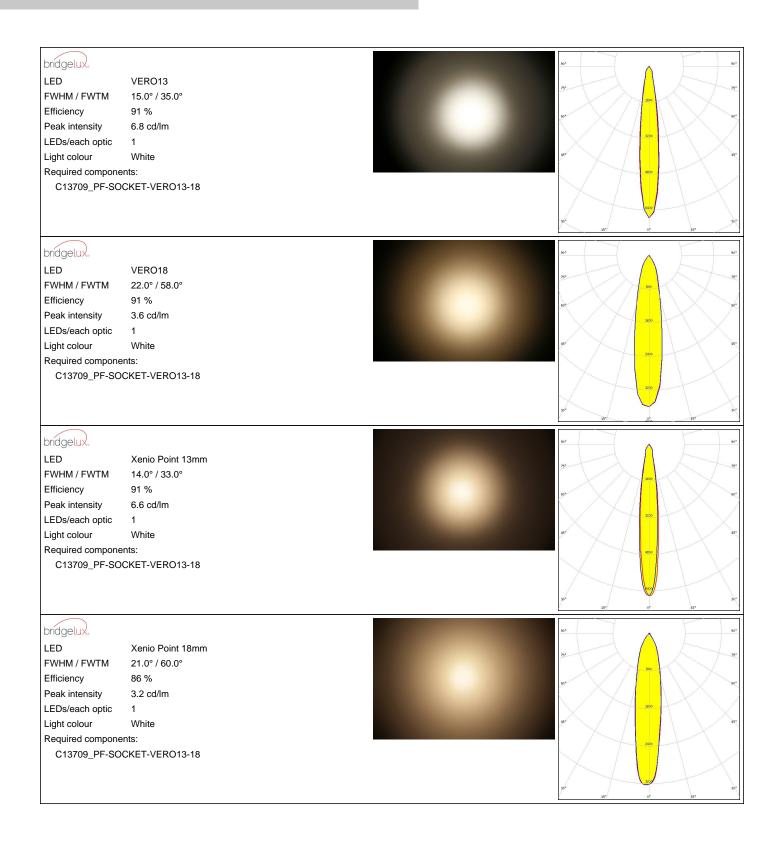
bridgelux.

LED VERO10
FWHM / FWTM 13.0° / 27.0°
Efficiency 90 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13708_PF-SOCKET-VERO10









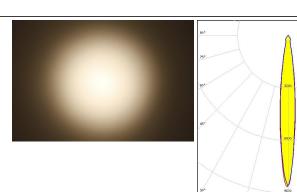


CITIZEN

LED CLL02x/CLU02x (LES10)

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

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

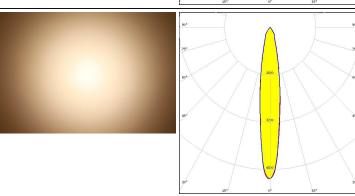


CITIZEN

Required components:

LED CLL03x/CLU03x
FWHM / FWTM 16.0° / 42.0°
Efficiency 88 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

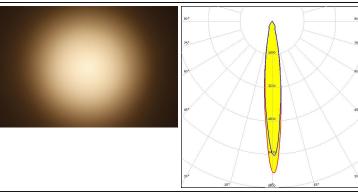
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 433 Typ L1



CITIZEN

LED CLU720/721
FWHM / FWTM 14.0° / 33.0°
Efficiency 87 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

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

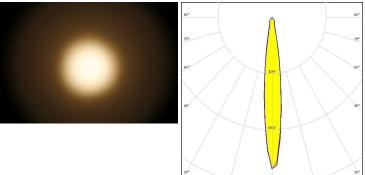


CREE \$

Required components:

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

C14115_PF-SOCKET-CXA15-18

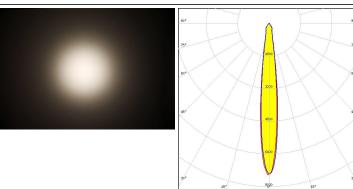




CREE \$

CXA/B 15xx FWHM / FWTM 13.0° / 29.0° Efficiency 85 % Peak intensity 7.4 cd/lm LEDs/each optic Light colour White Required components: C13083_PF-SOCKET

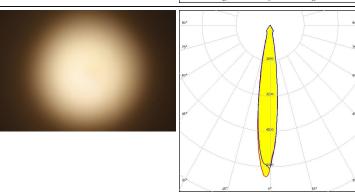
C14658_BARBARA-RZ-LENS



CREE ÷

LED CXA/B 15xx FWHM / FWTM 15.0° / 30.0° Efficiency 89 % Peak intensity 6.9 cd/lm LEDs/each optic 1 White Light colour Required components: C13709_PF-SOCKET-VERO13-18

Bender Wirth: 441 Typ L1

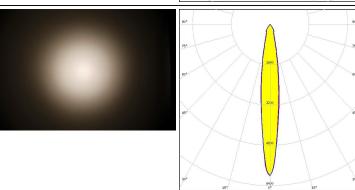


CREE 🚓

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 Light colour White Required components:

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

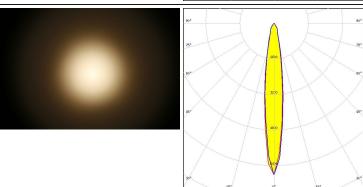


CREE 🕏

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 White Light colour Required components:

C14115_PF-SOCKET-CXA15-18





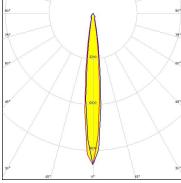


LED LUXEON CoB 1202/1203

FWHM / FWTM 12.0° / 25.0°
Efficiency 90 %
Peak intensity 10.6 cd/lm
LEDs/each optic 1
Light colour White

Required components: C14037_PF-NSX-SOCKET





LUMILEDS

LED LUXEON CoB 1202/1203

FWHM / FWTM 14.0° / 30.0°

Efficiency 88 %

Peak intensity 7.3 cd/lm

LEDs/each optic 1

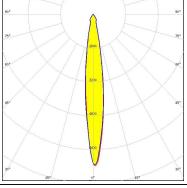
Light colour White

Required components:

C13709 PE-SOCKET-VERO13-18

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





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 White
Required components:

C13761_PF-SOCKET-CXA15



WNICHIA

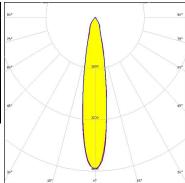
LED COB J-Type FWHM / FWTM 19.0° / 44.0°

Efficiency 91 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White

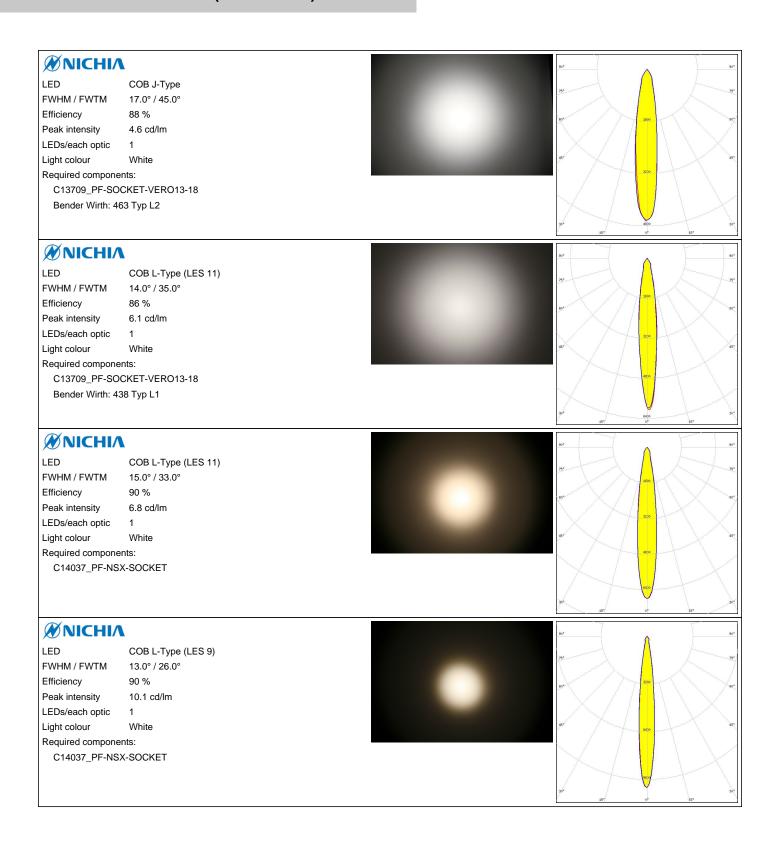
C14037_PF-NSX-SOCKET

Required components:

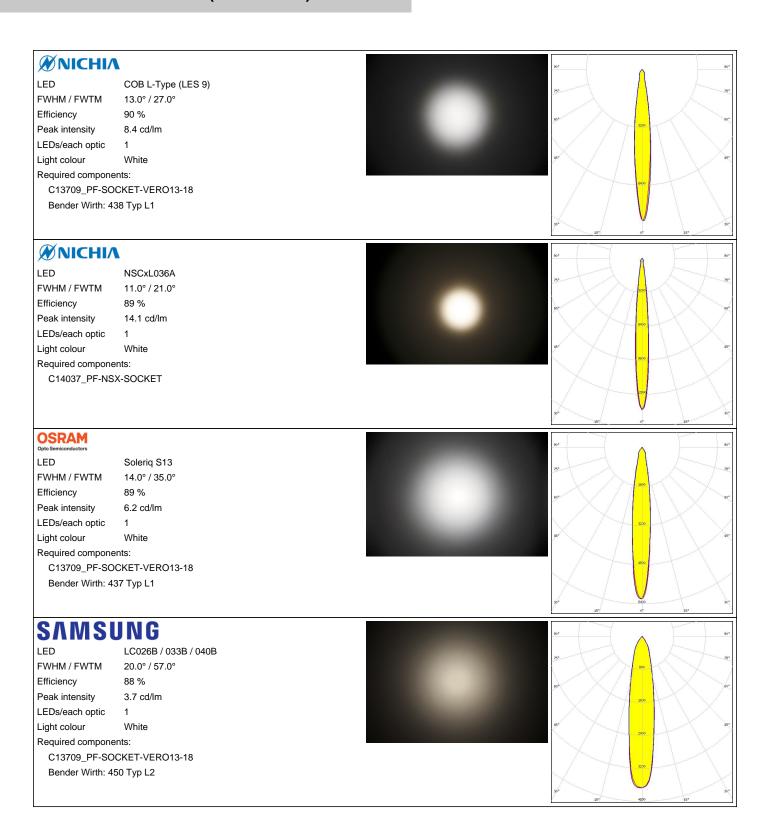














XICATO XTM - 19mm LES $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 20.0° / 58.0° Efficiency 88 % Peak intensity 3.6 cd/lm LEDs/each optic Light colour White Required components: C14636_XTM-PF-ADAPTER **XICATO** LED XTM - 9mm LES FWHM / FWTM 12.0° / 26.0° Efficiency 90 % Peak intensity 9.3 cd/lm LEDs/each optic 1 White Light colour Required components: C14636_XTM-PF-ADAPTER

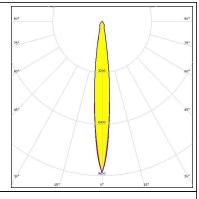


PHOTOMETRIC DATA (SIMULATED):



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

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 486 Typ L1



LUMILEDS

LED LUXEON CoB Compact

FWHM / FWTM 9.0° / 18.0°
Efficiency 90 %
Peak intensity 19.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C13761_PF-SOCKET-CXA15

LUMINUS

LED CxM-14 (19x19)
FWHM / FWTM 16.0° / 42.0°
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 Typ L1

LUMINUS

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 White

Required components:

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

11/14



PHOTOMETRIC DATA (SIMULATED):

OSRAM

Light colour

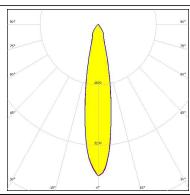
LED Soleriq S15 FWHM / FWTM 20.0° / 47.0°

Efficiency 88 %
Peak intensity 4 cd/lm
LEDs/each optic 1

Required components:

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

White



SAMSUNG

 LED
 LC010C

 FWHM / FWTM
 9.1° / 19.0°

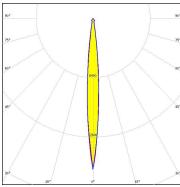
 Efficiency
 89 %

 Peak intensity
 16.3 cd/lm

LEDs/each optic 1
Light colour White

Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 479 Typ L1



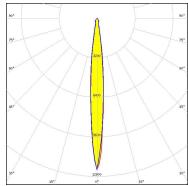
SAMSUNG

LED LC020C
FWHM / FWTM 10.0° / 23.0°
Efficiency 89 %
Peak intensity 12.3 cd/lm
LEDs/each optic 1

Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 479 Typ L1

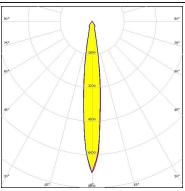


SAMSUNG

LED LC040C
FWHM / FWTM 13.0° / 30.0°
Efficiency 85 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 480 Typ L1





PHOTOMETRIC DATA (SIMULATED):



LED ZC12/18

 FWHM / FWTM
 16.0° / 42.0°

 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 Typ L1

SEOUL SEMICONDUCT

SEOUL SEMICONDUCTOR

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

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

Salo, Finland Hong Kong, China

Distribution Partners

14/14

www.ledil.com/ where_to_buy