

BARBARA-S-PF

~15° spot beam

TECHNICAL SPECIFICATIONS:

Dimensions Ø 70.0 mm
Height 41.7 mm
Fastening socket
ROHS compliant yes ①



MATERIAL SPECIFICATIONS:

ComponentTypeMaterialCBARBARA-S-PFReflectorPCm

ColourFinishCoatingmetalHMDS

ORDERING INFORMATION:

Component

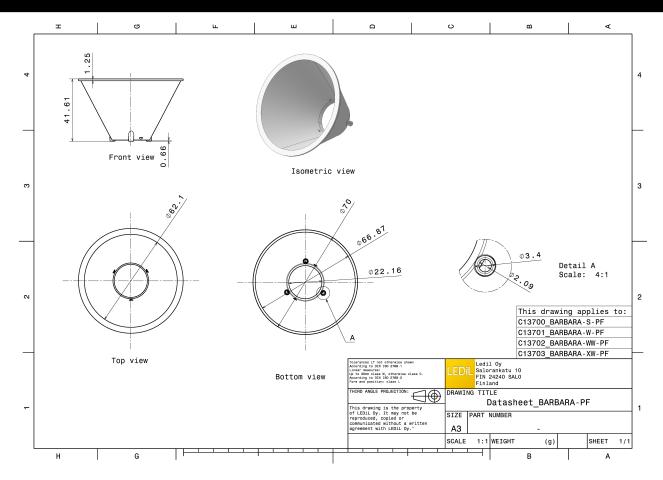
F13700_BARBARA-S-PF

» Box size: 480 x 280 x 300 mm

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

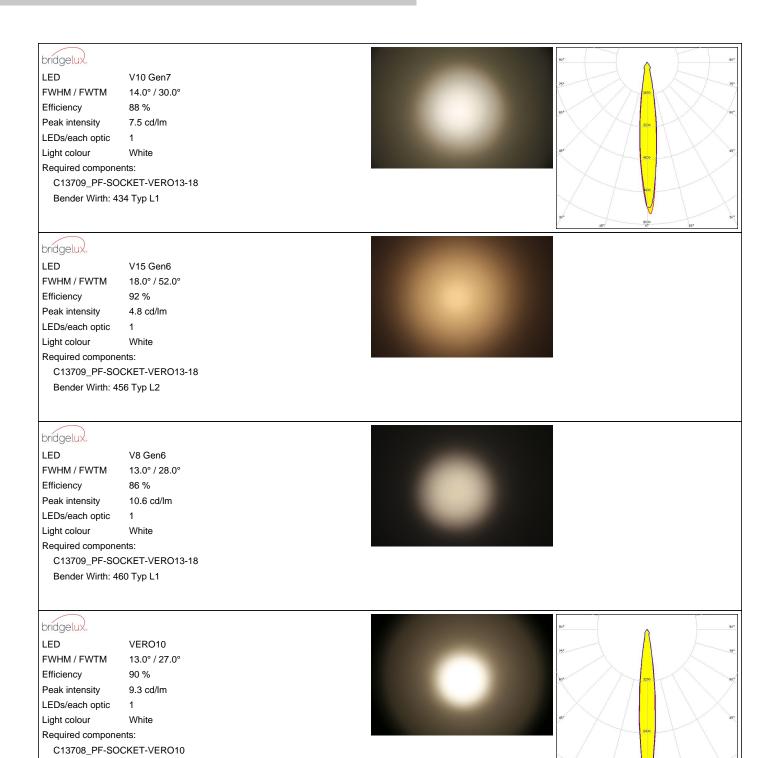


PRODUCT DATASHEET F13700_BARBARA-S-PF

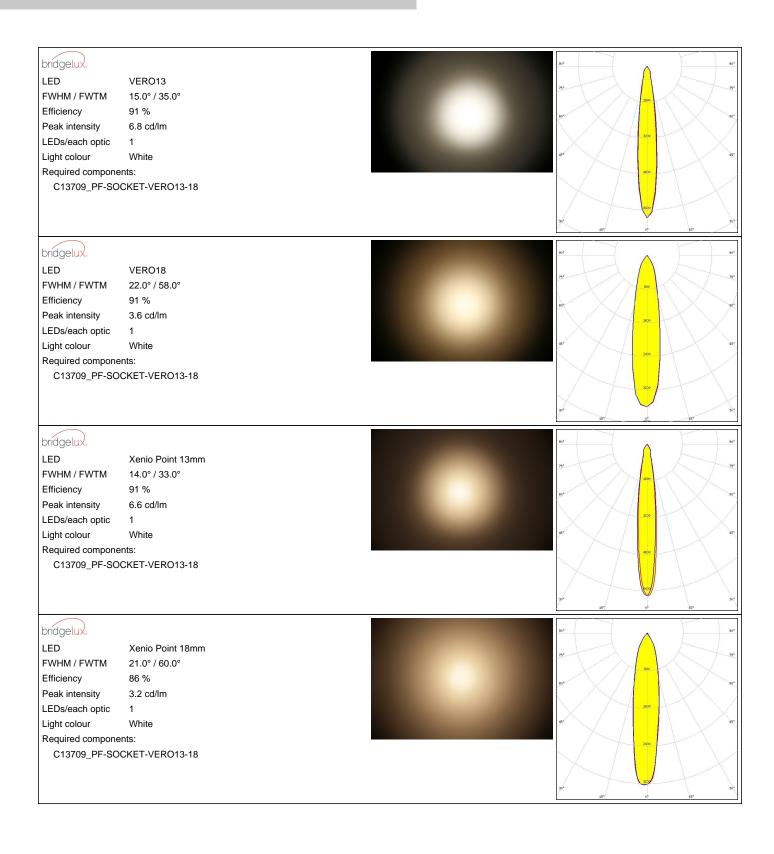


See also our general installation guide: www.ledil.com/installation_guide









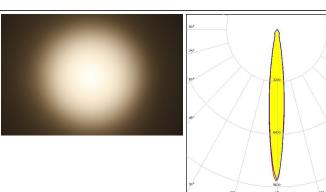


CITIZEN

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

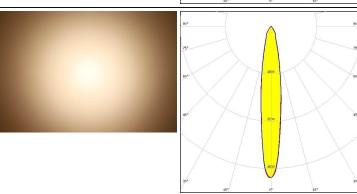


CITIZEN

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:

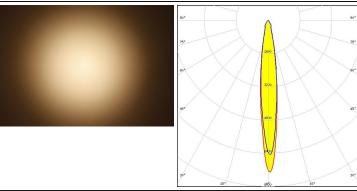
C13709_PF-SOCKET-VERO13-18 Bender Wirth: 433 Typ L1



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:

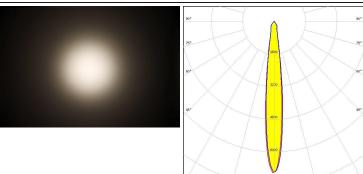
C13709_PF-SOCKET-VERO13-18 Bender Wirth: 433 Typ L1



CREE - LED

LED CXA/B 15xx
FWHM / FWTM 13.0° / 29.0°
Efficiency 85 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C13083_PF-SOCKET C14658_BARBARA-RZ-LENS

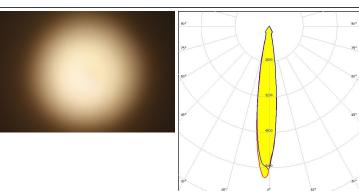




CREE + LED

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

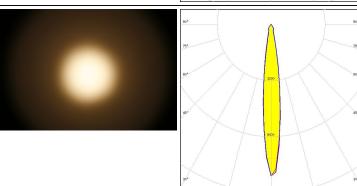
C13709_PF-SOCKET-VERO13-18 Bender Wirth: 441 Typ L1



CREE & LED

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
Required components:

C14115_PF-SOCKET-CXA15-18

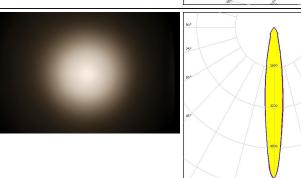


CREE - LED

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 White
Required components:

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

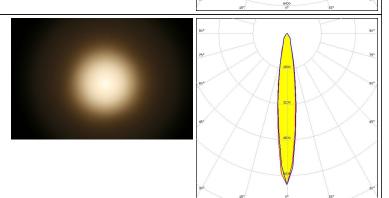


CREE - LED

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 White
Required components:

C14115_PF-SOCKET-CXA15-18



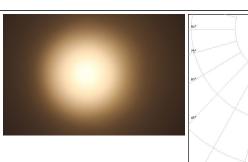


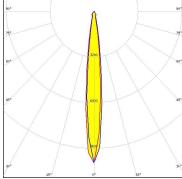


LED LUXEON CoB 1202/1203

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





DESCRIPTION LUMILEDS

LED LUXEON CoB 1202/1203

FWHM / FWTM 14.0° / 30.0°

Efficiency 88 %

Peak intensity 7.3 cd/lm

LEDs/each optic 1

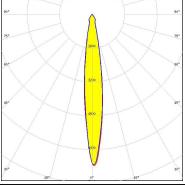
Light colour White

Required components:

C13709 PE-SOCKET-VERO13-18

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





MATERIAL PROPERTY OF THE PROP

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



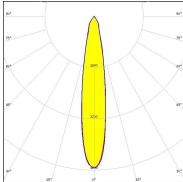
WNICHIA

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

FWHM / FWTM 19.0° / 44.0
Efficiency 91 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White

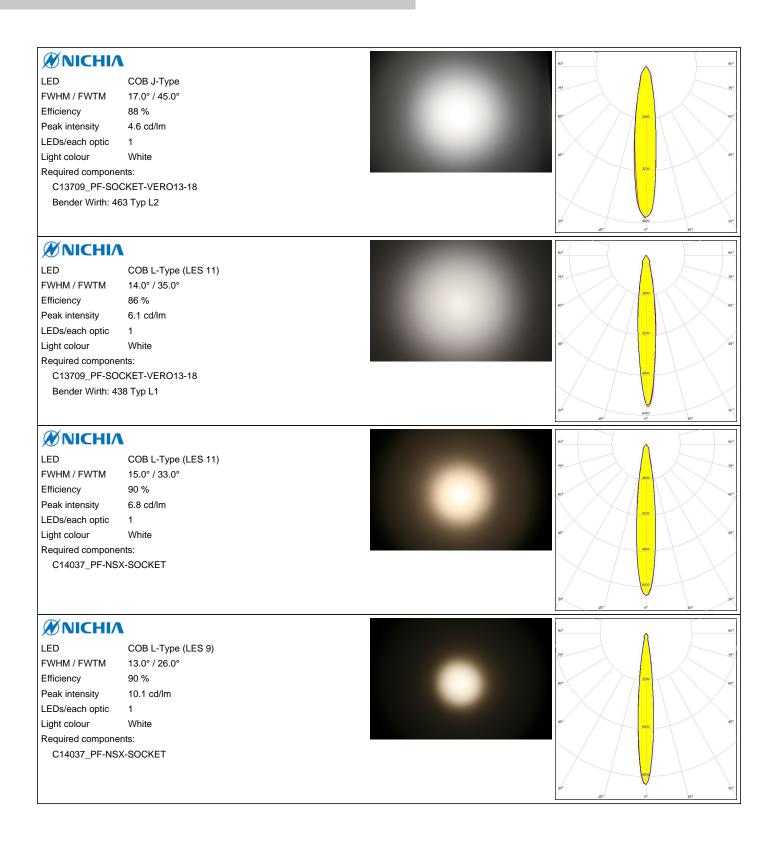
Required components: C14037_PF-NSX-SOCKET



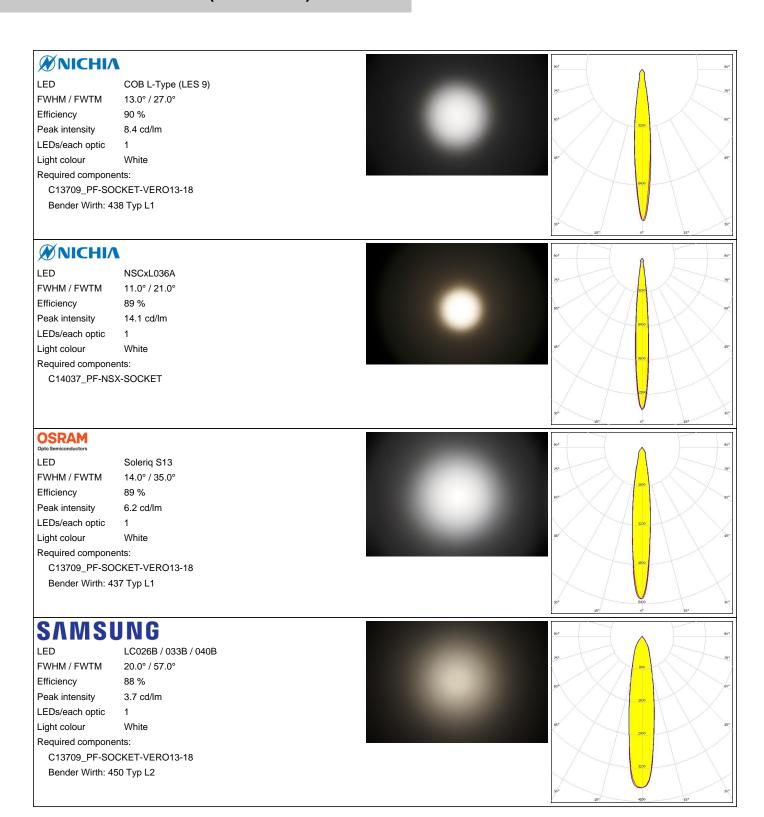


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XICATO XTM - 19mm LES $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 20.0° / 58.0° Efficiency 88 % Peak intensity 3.6 cd/lm LEDs/each optic Light colour White Required components: C14636_XTM-PF-ADAPTER **XICATO** LED XTM - 9mm LES FWHM / FWTM 12.0° / 26.0° Efficiency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

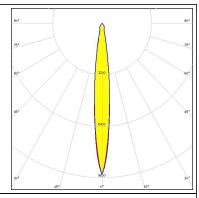


PHOTOMETRIC DATA (SIMULATED):



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



PHOTOMETRIC DATA (SIMULATED):

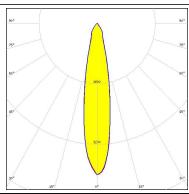
OSRAM

LED Soleriq S15 FWHM / FWTM 20.0° / 47.0° Efficiency 88 %

Peak intensity 4 cd/lm LEDs/each optic Light colour White

Required components:

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



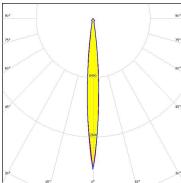
SAMSUNG

LED LC010C FWHM / FWTM 9.1° / 19.0° Efficiency 89 % Peak intensity 16.3 cd/lm

LEDs/each optic 1 White Light colour

Required components:

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

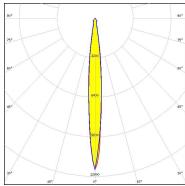


SAMSUNG

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

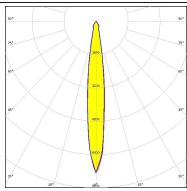


SAMSUNG

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

Required components:

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



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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

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

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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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