

BARBARA-XW-PF

White version with ~75° wide beam

SPECIFICATION:

Dimensions Ø 70.0 mm

Height 41.7 mm

Fastening socket

ROHS compliant yes ①



MATERIALS:

ComponentTypeMaterialColourFinishBARBARA-XW-PFReflectorHRPCwhite

ORDERING INFORMATION:

Component

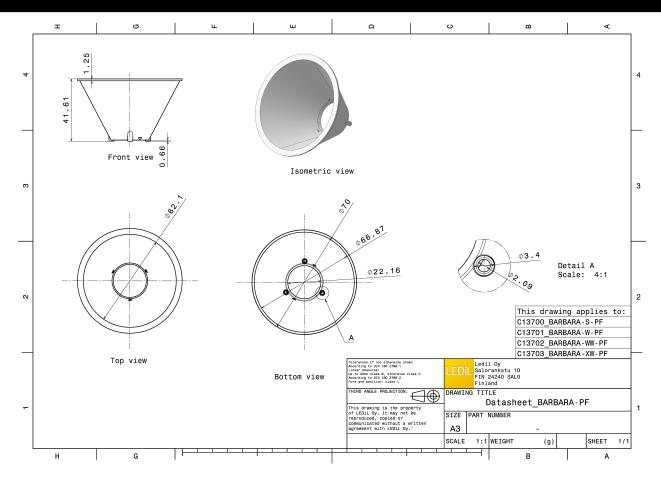
F13703_BARBARA-XW-PF » Box size: 480 x 280 x 300 mm **Qty in box MOQ MPQ Box weight (kg)** 288 90 18 8.4

Published: 02/05/2018

Coating

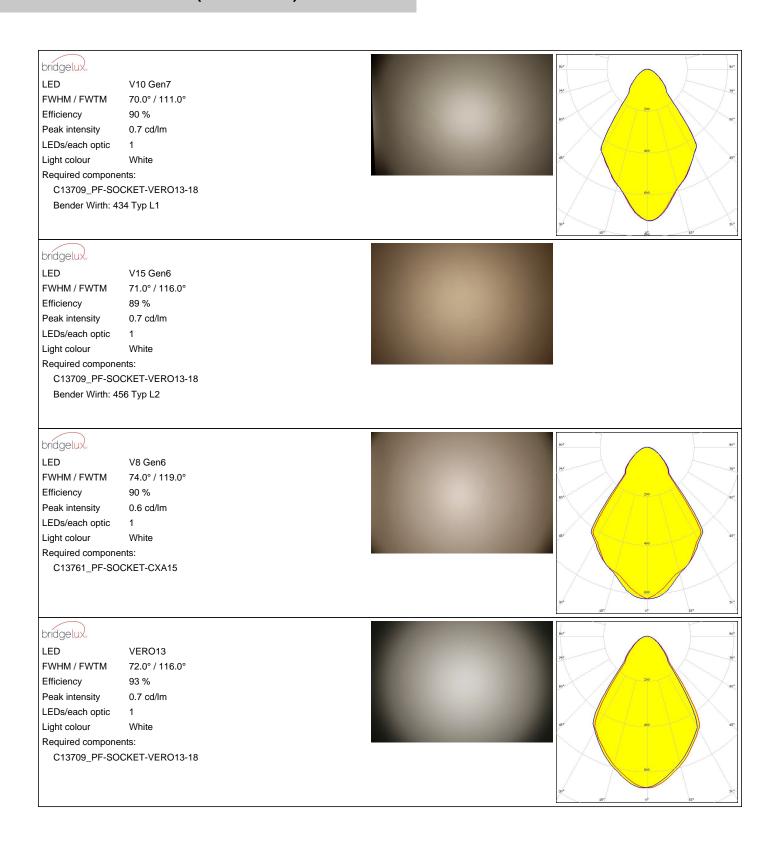


PRODUCT DATASHEET F13703_BARBARA-XW-PF

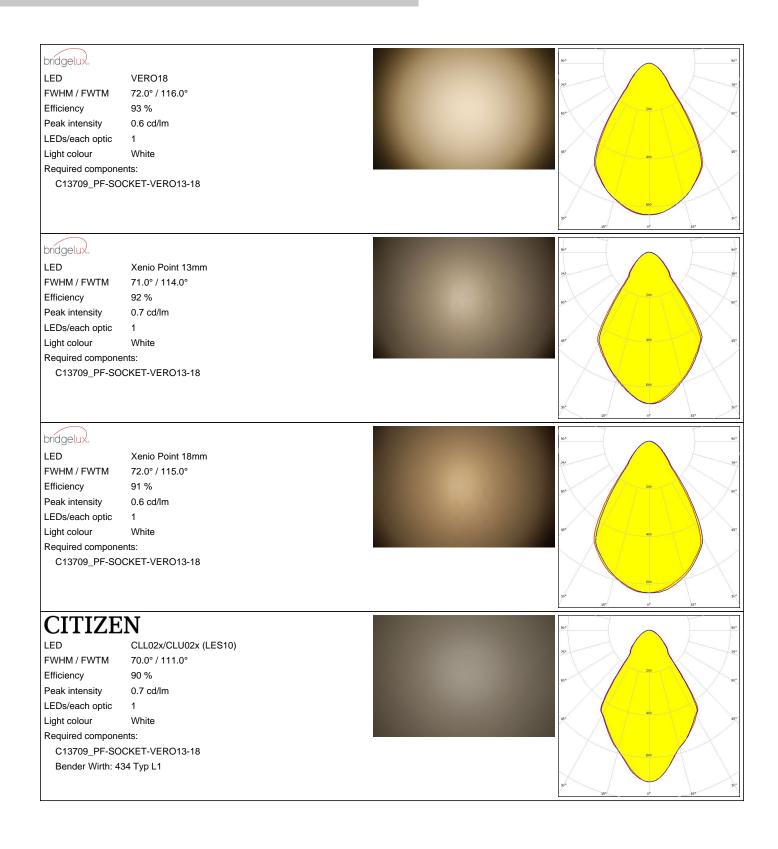


See also our general installation guide: www.ledil.com/installation_guide











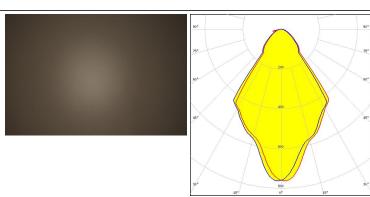
CITIZEN

LED CLU700/701/702/703

FWHM / FWTM 70.0° / 109.0°
Efficiency 90 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1

Light colour White Required components:

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



CREE - LED

 LED
 CXA/B 15xx

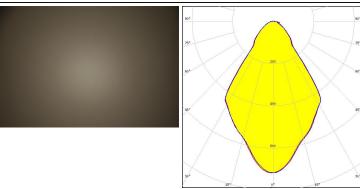
 FWHM / FWTM
 70.0° / 111.0°

 Efficiency
 90 %

 Peak intensity
 0.7 cd/lm

LEDs/each optic 1
Light colour White
Required components:

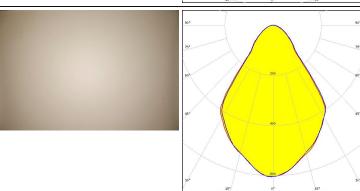
C13709_PF-SOCKET-VERO13-18 Bender Wirth: 441 Typ L1



CREE - LED

LEDCXA/B 15xxFWHM / FWTM73.0° / 117.0°Efficiency85 %Peak intensity0.6 cd/lmLEDs/each optic1

Light colour White
Required components:
C13083_PF-SOCKET
C14658_BARBARA-RZ-LENS



CREE - LED

 LED
 CXA/B 15xx

 FWHM / FWTM
 70.0° / 110.0°

 Efficiency
 92 %

Peak intensity 0.8 cd/lm LEDs/each optic 1
Light colour White Required components:

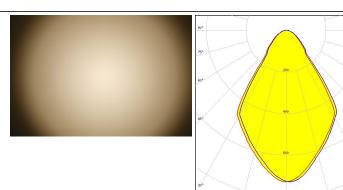
C14115_PF-SOCKET-CXA15-18

CREE - LED

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

FWHM / FWTM 70.0° / 112.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C14115_PF-SOCKET-CXA15-18

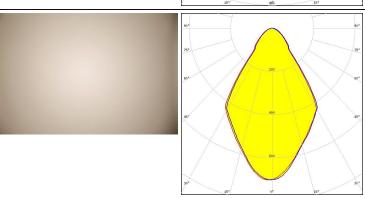


CREE & LED

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

FWHM / FWTM 67.0° / 106.0°
Efficiency 82 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

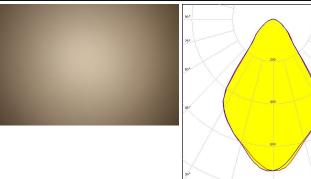
C13709_PF-SOCKET-VERO13-18 Bender Wirth: 437 Typ L1



MATERIAL PROPERTY OF THE PROP

LED LUXEON CoB 1202/1203

FWHM / FWTM 71.0° / 112.0°
Efficiency 92 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14037_PF-NSX-SOCKET

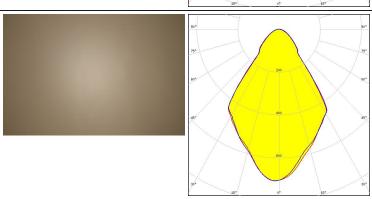


LUMILEDS

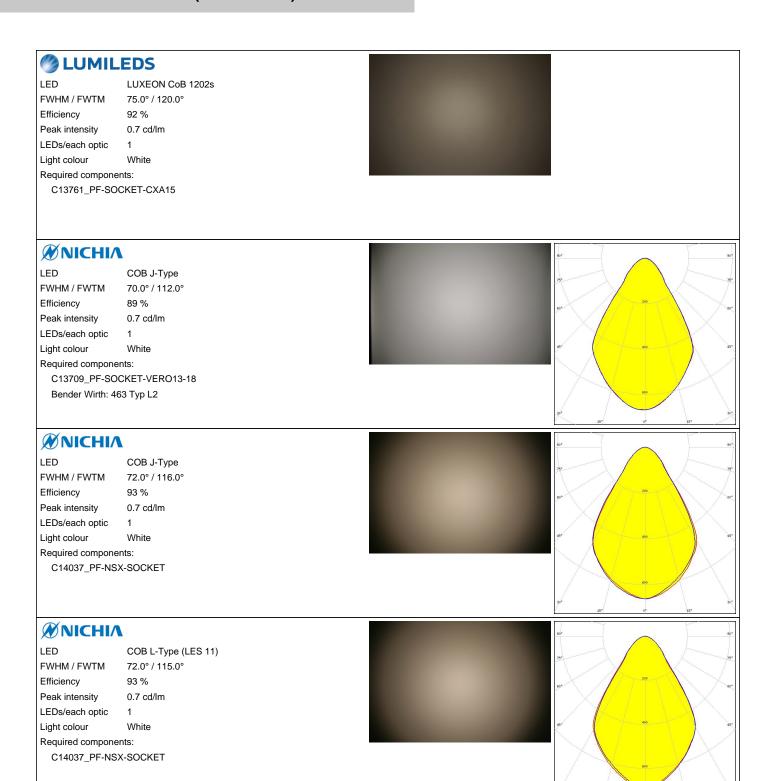
LED LUXEON CoB 1202/1203

FWHM / FWTM 71.0° / 112.0°
Efficiency 90 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

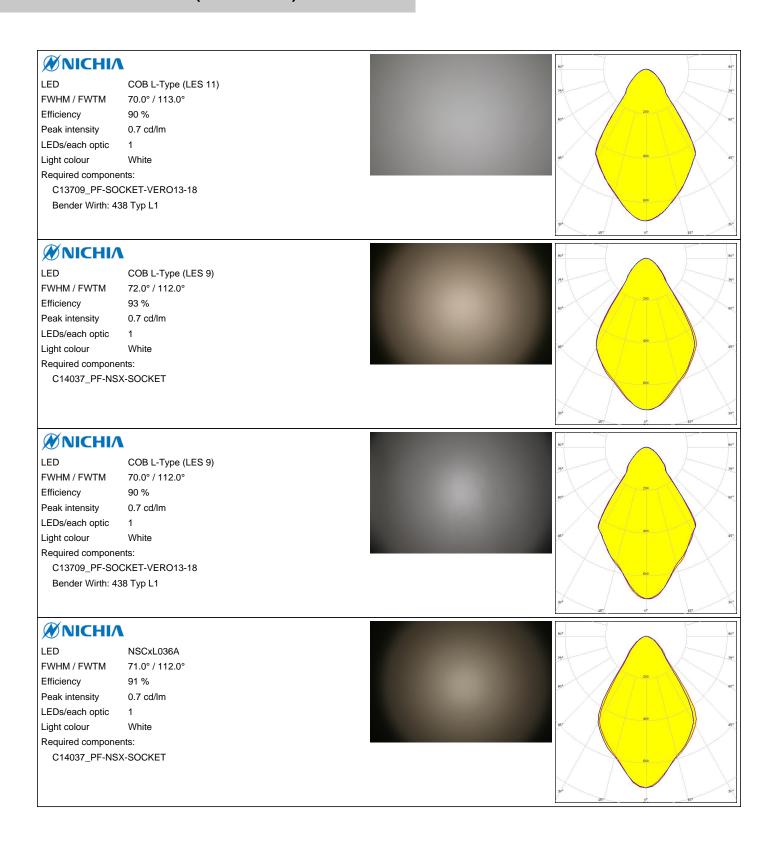
C13709_PF-SOCKET-VERO13-18 Bender Wirth: 438 Typ L1













OSRAM

LED OSTAR Stage (S2WP)

FWHM / FWTM 74.0° / 120.0°
Efficiency 83 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1

Light colour White Required components:
C13083_PF-SOCKET

C14658_BARBARA-RZ-LENS

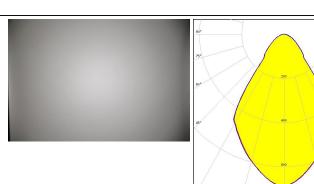


OSRAM

Opto Semiconductor

LED Soleriq S13
FWHM / FWTM 70.0° / 113.0°
Efficiency 90 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

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



SAMSUNG

LED

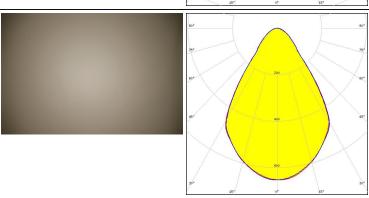
LC026B / 033B / 040B

FWHM / FWTM 70.0° / 113.0°

Efficiency 90 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

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



XICATO

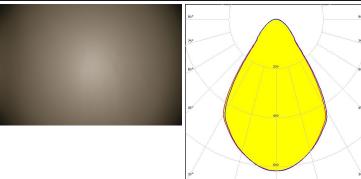
LED

XTM - 19mm LES

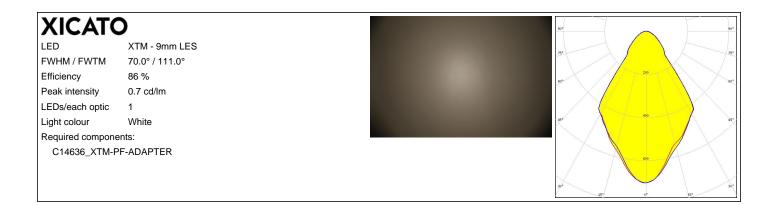
FWHM / FWTM 70.0° / 112.0° Efficiency 83 %

Peak intensity 0.6 cd/lm LEDs/each optic 1
Light colour White Required components:

C14636_XTM-PF-ADAPTER







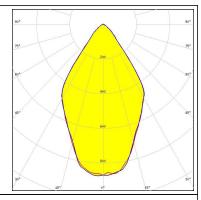
PRODUCT DATASHEET F13703_BARBARA-XW-PF

OPTICAL RESULTS (SIMULATED):



LED V10 Gen7
FWHM / FWTM 66.0° / 93.0°
Efficiency 88 %
Peak intensity 0.9 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 75.0° / 120.0°
Efficiency 92 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C13761_PF-SOCKET-CXA15

LUMINUS

LED CxM-14 (19x19)
FWHM / FWTM 70.0° / 113.0°
Efficiency 90 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

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

ELUMINUS

LED CxM-9 (13.5x13.5)
FWHM / FWTM 70.0° / 111.0°
Efficiency 90 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:

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



OPTICAL RESULTS (SIMULATED):

OSRAM

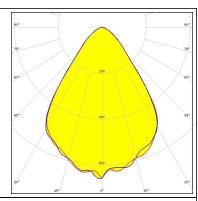
LED Soleriq S15 FWHM / FWTM 74.0° / 112.0°

Efficiency 95 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1

Light colour White

Required components:

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



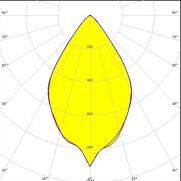
SAMSUNG

LED LC010C FWHM / FWTM 66.0° / 91.0°

Efficiency 89 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White

Required components:

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



SAMSUNG

 LED
 LC020C

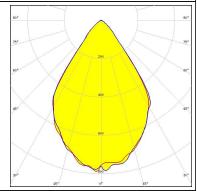
 FWHM / FWTM
 70.0° / 95.0°

 Efficiency
 88 %

 Peak intensity
 0.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:

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



SAMSUNG

 LED
 LC040C

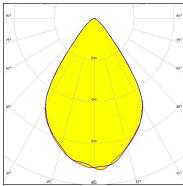
 FWHM / FWTM
 70.0° / 96.0°

 Efficiency
 84 %

 Peak intensity
 0.7 cd/lm

LEDs/each optic 1
Light colour White
Required components:

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





OPTICAL RESULTS (SIMULATED):



 LED
 ZC12/18

 FWHM / FWTM
 70.0° / 113.0°

 Efficiency
 90 %

 Peak intensity
 0.7 cd/lm

LEDs/each optic 1
Light colour White

Required components:

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

SEOUL SENICONDUC

SEOUL SEMICONDUCTOR

LED ZC4/6
FWHM / FWTM 70.0° / 111.0°
Efficiency 90 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1



PRODUCT DATASHEET F13703 BARBARA-XW-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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