# PRODUCT DATASHEET F13702\_BARBARA-WW-PF

#### **BARBARA-WW-PF**

~60° wide beam

#### **SPECIFICATION:**

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



ComponentTypeMaterialBARBARA-WW-PFReflectorPC



ColourFinishCoatingmetalHMDS

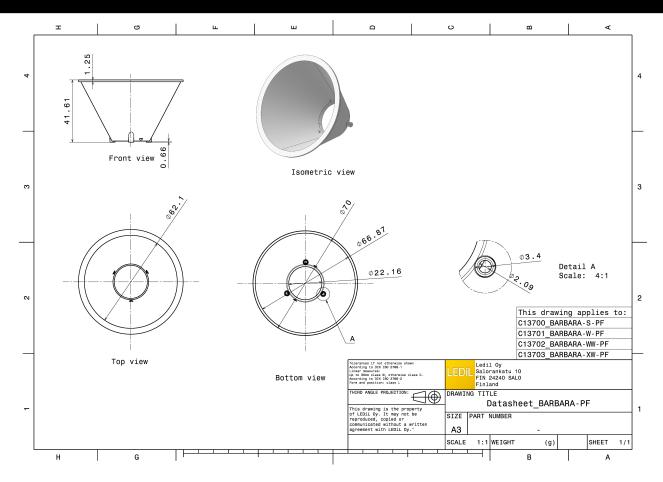
#### **ORDERING INFORMATION:**

Component

F13702\_BARBARA-WW-PF » Box size: 480 x 280 x 300 mm **Qty in box MOQ MPQ Box weight (kg)** 288 90 18 5.8

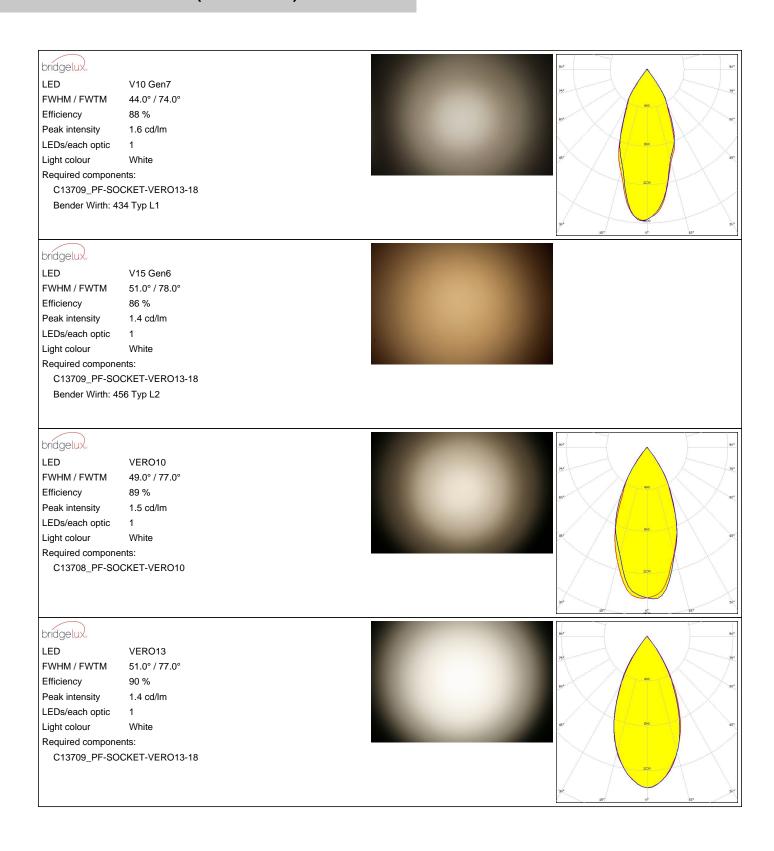


# **PRODUCT** F13702\_BARBARA-WW-PF

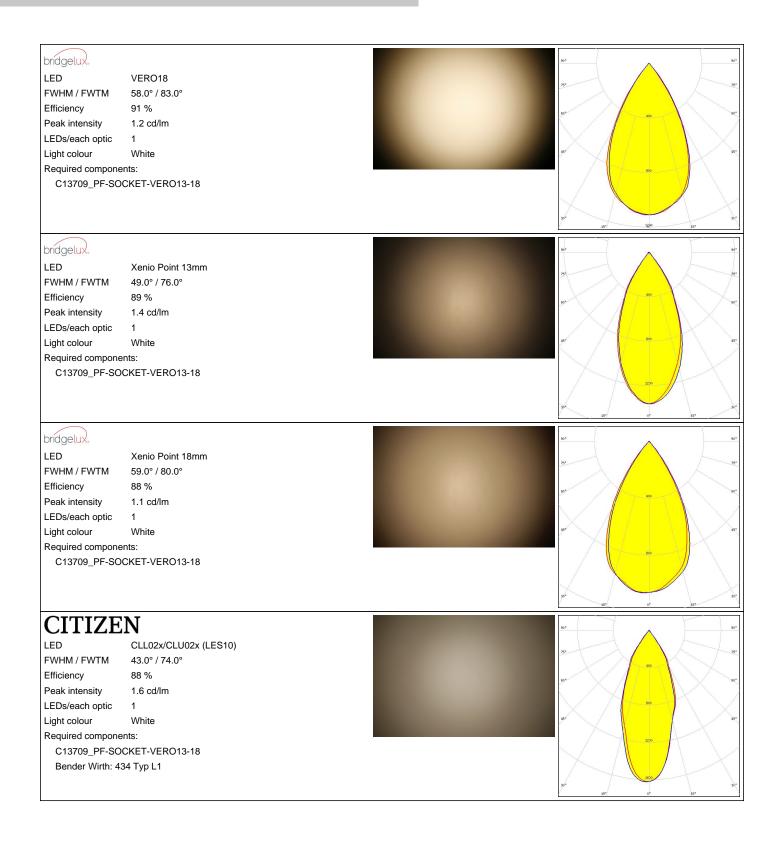


See also our general installation guide: <a href="www.ledil.com/installation\_guide">www.ledil.com/installation\_guide</a>





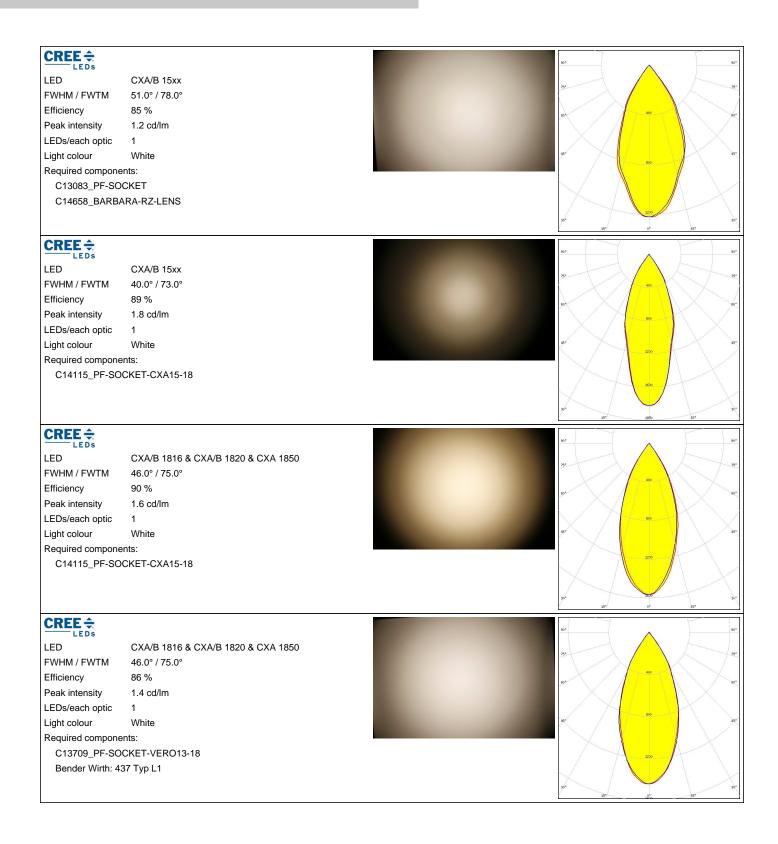




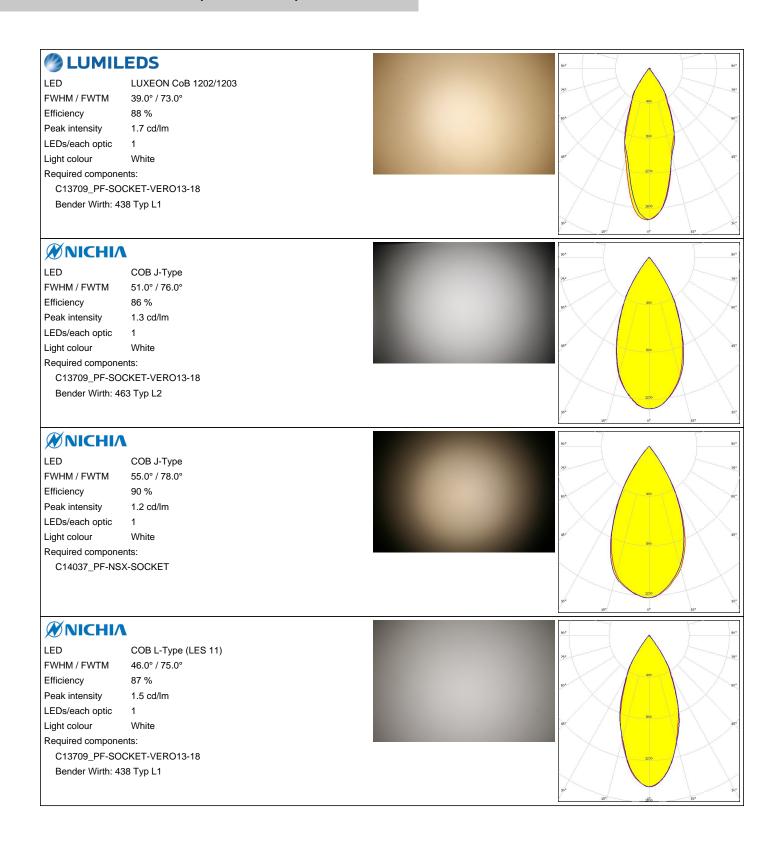


#### **CITIZEN** CLL03x/CLU03x $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 50.0° / 76.0° Efficiency 86 % Peak intensity 1.3 cd/lm LEDs/each optic Light colour White Required components: C13709\_PF-SOCKET-VERO13-18 Bender Wirth: 433 Typ L1 **CITIZEN** LED CLU700/701/702/703 FWHM / FWTM 28.0° / 72.0° Efficiency 88 % Peak intensity 2.1 cd/lm LEDs/each optic 1 White Light colour Required components: C13709\_PF-SOCKET-VERO13-18 Bender Wirth: 434 Typ L1 **CITIZEN** LED CLU720/721/723 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 43.0° / 73.0° Efficiency 86 % LEDs/each optic Light colour White Required components: C13709\_PF-SOCKET-VERO13-18 Bender Wirth: 433 Typ L1 CREE ÷ CXA/B 15xx FWHM / FWTM 41.0° / 73.0° Efficiency 87 % Peak intensity 1.7 cd/lm LEDs/each optic White Light colour Required components: C13709\_PF-SOCKET-VERO13-18 Bender Wirth: 441 Typ L1

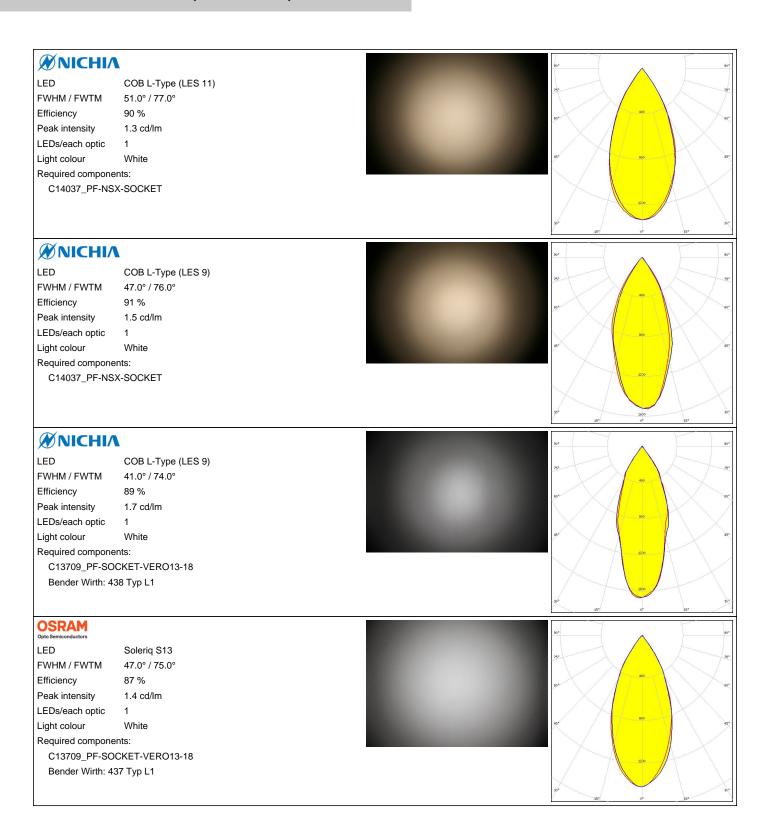














# **SAMSUNG**

LED LC026B / 033B / 040B

FWHM / FWTM 55.0° / 78.0°
Efficiency 86 %
Peak intensity 1.1 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

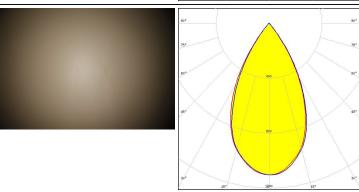
 FWHM / FWTM
 55.0° / 78.0°

 Efficiency
 84 %

 Peak intensity
 1.1 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C14636\_XTM-PF-ADAPTER

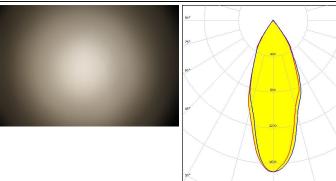


# **XICATO**

LED XTM - 9mm LES FWHM / FWTM 42.0° / 73.0° Efficiency 87 %

Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White

Required components: C14636\_XTM-PF-ADAPTER





## **OPTICAL RESULTS (SIMULATED):**



LED CxM-14 (19x19) FWHM / FWTM 50.0° / 76.0° Efficiency 86 % Peak intensity 1.3 cd/lm

LEDs/each optic Light colour White

Required components:

C13709\_PF-SOCKET-VERO13-18 Bender Wirth: 433 Typ L1

## **ELUMINUS**

LED CxM-9 (13.5x13.5) FWHM / FWTM 43.0° / 74.0° Efficiency 88 % Peak intensity 1.6 cd/lm LEDs/each optic 1 White Light colour

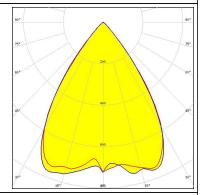
Required components:

C13709\_PF-SOCKET-VERO13-18 Bender Wirth: 434 Typ L1

#### **OSRAM**

LED Soleriq S15 FWHM / FWTM 73.0° / 88.0° Efficiency 90 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components:

C13709\_PF-SOCKET-VERO13-18 Bender Wirth: 433 Typ L1





LED ZC12/18 FWHM / FWTM 50.0° / 76.0° Efficiency 86 % Peak intensity 1.3 cd/lm LEDs/each optic 1 White Light colour

Required components:

C13709\_PF-SOCKET-VERO13-18 Bender Wirth: 433 Typ L1



# PRODUCT DATASHEET F13702\_BARBARA-WW-PF

# **OPTICAL RESULTS (SIMULATED):**



LED

ZC4/6

FWHM / FWTM

43.0° / 74.0°

Efficiency

88 %

Peak intensity

1.6 cd/lm

LEDs/each optic

Light colour

White

Required components:

C13709\_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1



# PRODUCT DATASHEET F13702 BARBARA-WW-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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