

BARBARA-WW-PF

~60° wide beam

TECHNICAL SPECIFICATIONS:

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

MATERIAL SPECIFICATIONS:

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



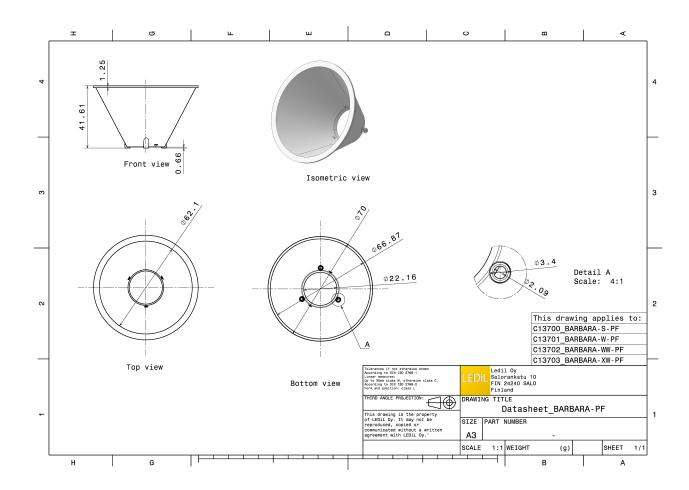
Finish Colour Coating metal **HMDS**

ORDERING INFORMATION:

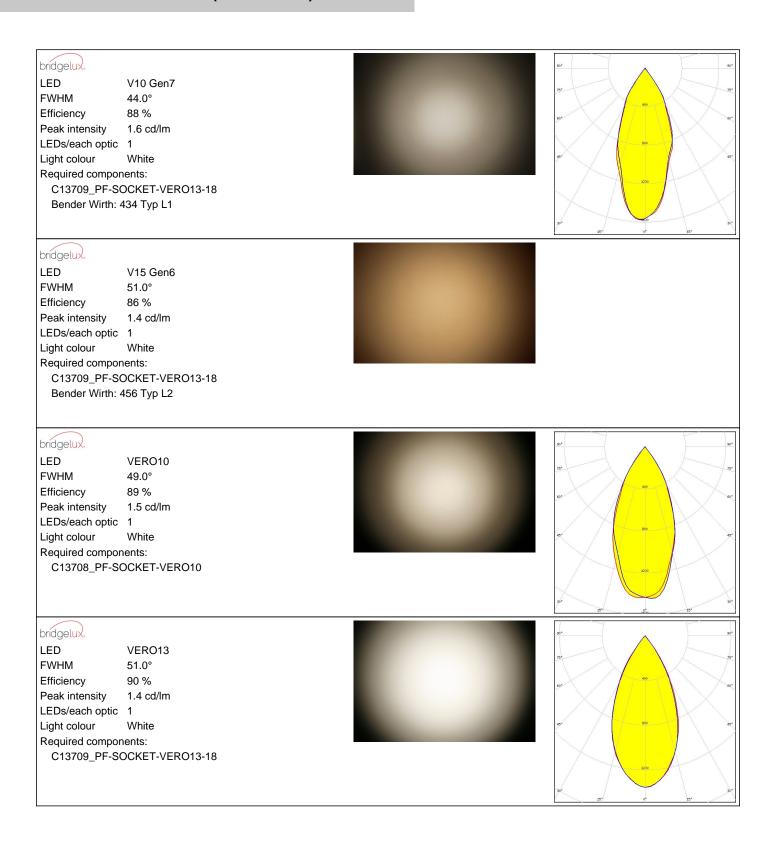
Component

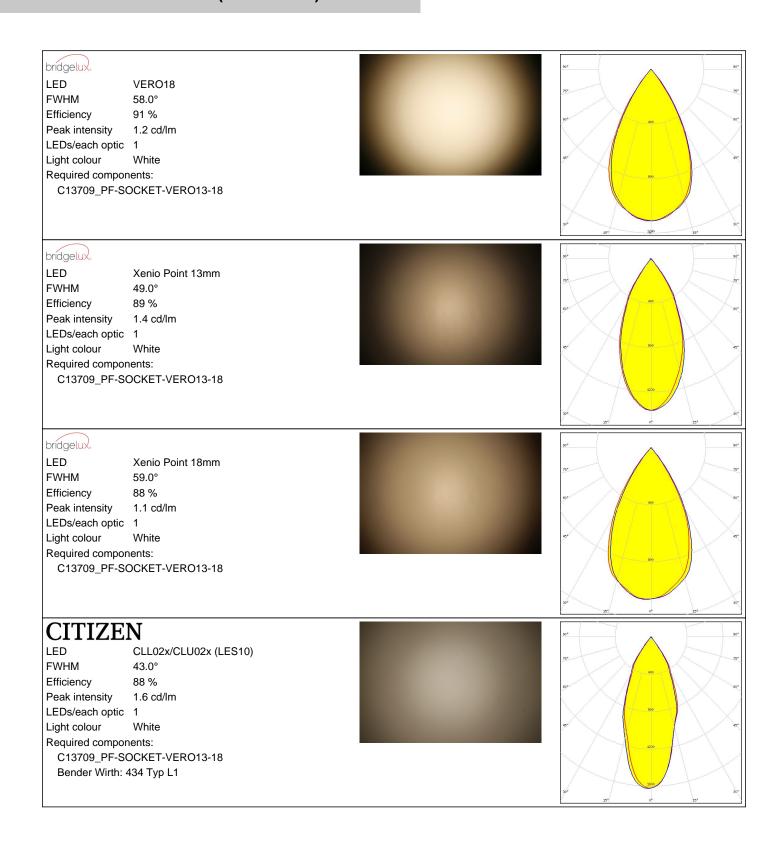
F13702_BARBARA-WW-PF » Box size: 480 x 280 x 300 mm Qty in box MOQ MPQ Box weight (kg) 288 90 18 6.3











PHOTOMETRIC DATA (MEASURED):

CITIZEN

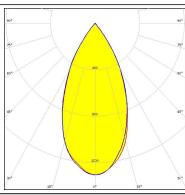
LED CLL03x/CLU03x

FWHM 50.0°
Efficiency 86 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1





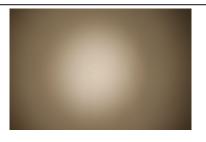
CITIZEN

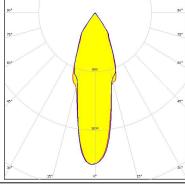
LED CLU700/701/702

FWHM 28.0°
Efficiency 88 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1



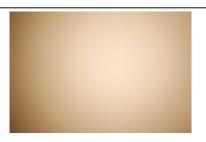


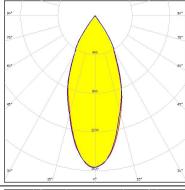
CITIZEN

LED CLU720/721
FWHM 43.0°
Efficiency 86 %
LEDs/each optic 1
Light colour White

Required components: C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1





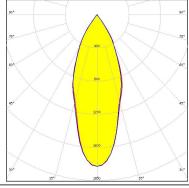
CREE \$

LED CXA/B 15xx
FWHM 40.0°
Efficiency 89 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1

Light colour White Required components:

C14115_PF-SOCKET-CXA15-18





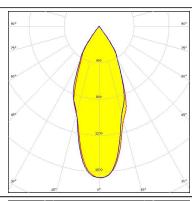
PHOTOMETRIC DATA (MEASURED):

CREE 💠

LED CXA/B 15xx **FWHM** 41.0° 87 % Efficiency Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour White Required components:

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



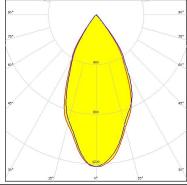


CREE

LED CXA/B 15xx **FWHM** 51.0° Efficiency 1.2 cd/lm Peak intensity LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET

C14658_BARBARA-RZ-LENS





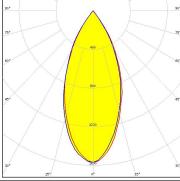
CREE ÷

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

FWHM 46.0° Efficiency 90 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White Required components:

C14115_PF-SOCKET-CXA15-18





CREE ÷

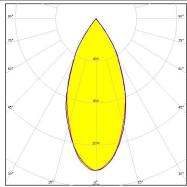
LED CXA/B 1816 & CXA/B 1820 & CXA 1850

FWHM 46.0° 86 % Efficiency 1.4 cd/lm Peak intensity LEDs/each optic 1 White Light colour Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 437 Typ L1



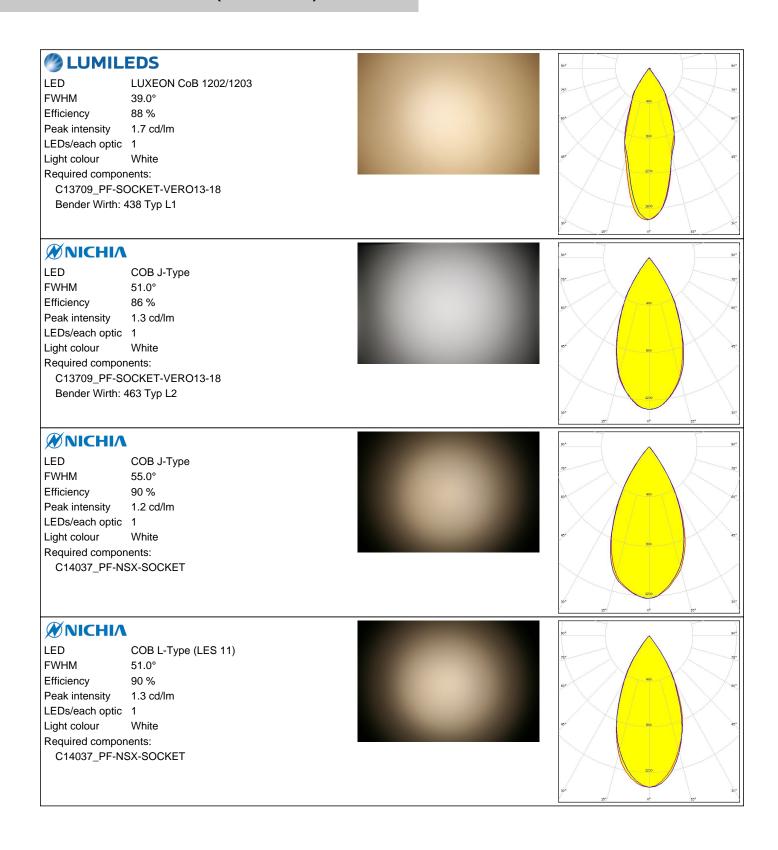


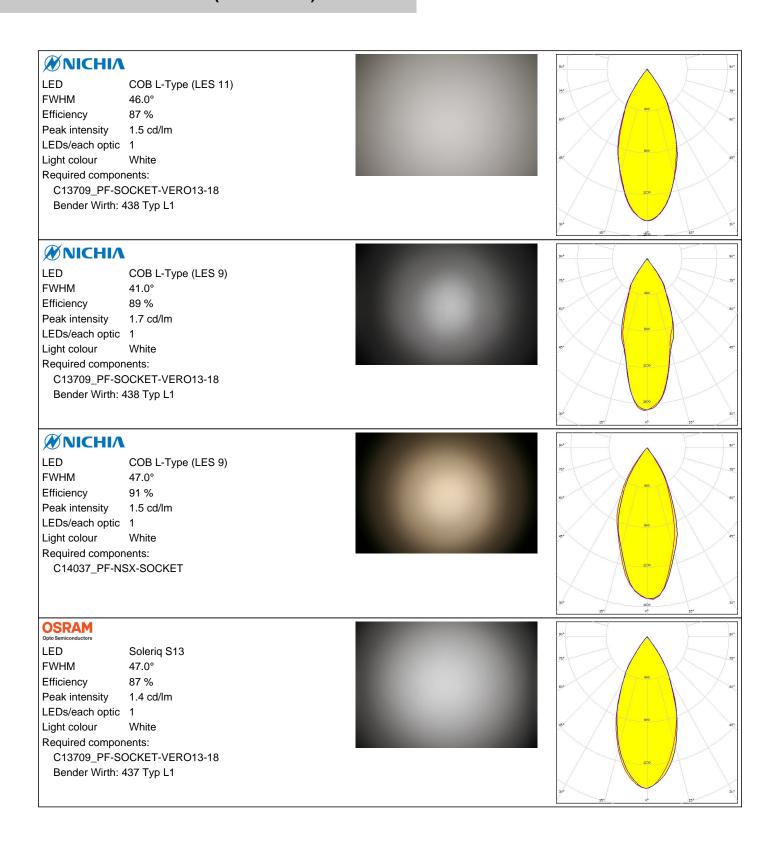
Published: 02/05/2018



PRODUCT DATASHEET

F13702_BARBARA-WW-PF





PHOTOMETRIC DATA (MEASURED):

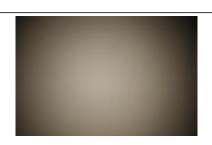
SAMSUNG

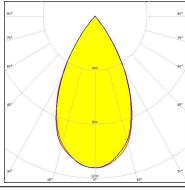
LED LC026B / 033B / 040B

FWHM 55.0°
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



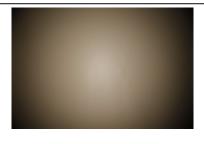


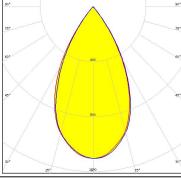
XICATO

LED XTM - 19mm LES

FWHM 55.0°
Efficiency 84 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C14636_XTM-PF-ADAPTER



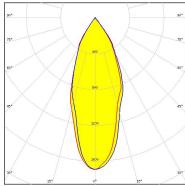


XICATO

LED XTM - 9mm LES

FWHM 42.0°
Efficiency 87 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14636_XTM-PF-ADAPTER







PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED VERO10
FWHM 66.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

bridgelux.

LED VERO13
FWHM 67.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

bridgelux

LED VERO18
FWHM 68.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

ELUMINUS

LED CxM-14 (19x19)

FWHM 50.0°
Efficiency 86 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1



PHOTOMETRIC DATA (SIMULATED):



LED CxM-9 (13.5x13.5)

FWHM 43.0° 88 % Efficiency Peak intensity 1.6 cd/lm LEDs/each optic

Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

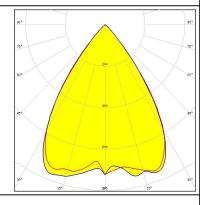
Bender Wirth: 434 Typ L1

OSRAM Opto Semiconductors

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

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1



LED ZC12/18 **FWHM** 50.0° Efficiency 86 % Peak intensity 1.3 cd/lm LEDs/each optic White

Light colour Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1



LED ZC4/6 **FWHM** 43.0° 88 % Efficiency 1.6 cd/lm Peak intensity LEDs/each optic White Light colour

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1



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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LEDIL OV

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Local sales and technical support

www.ledil.com/ where_to_buy

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