

BARBARA-WW-PF

~60° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions Ø 70.0 mm Height 41.7 mm Fastening socket

Colour metal

Box size 480 x 280 x 300 mm

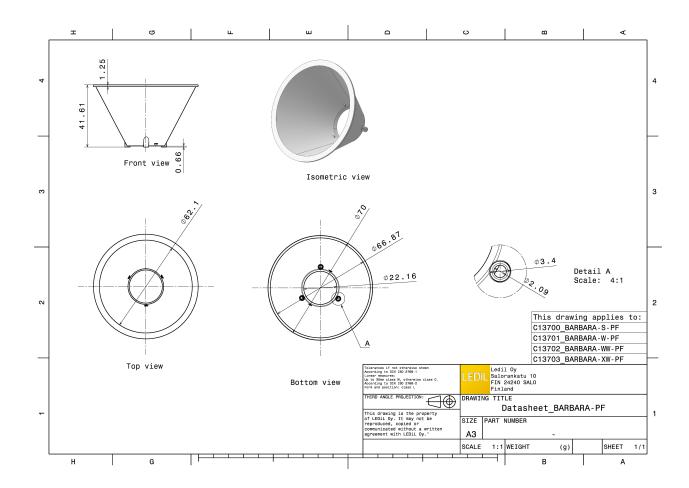
Box weight 6.3 kg Quantity in Box 288 pcs yes 🕕 **ROHS** compliant



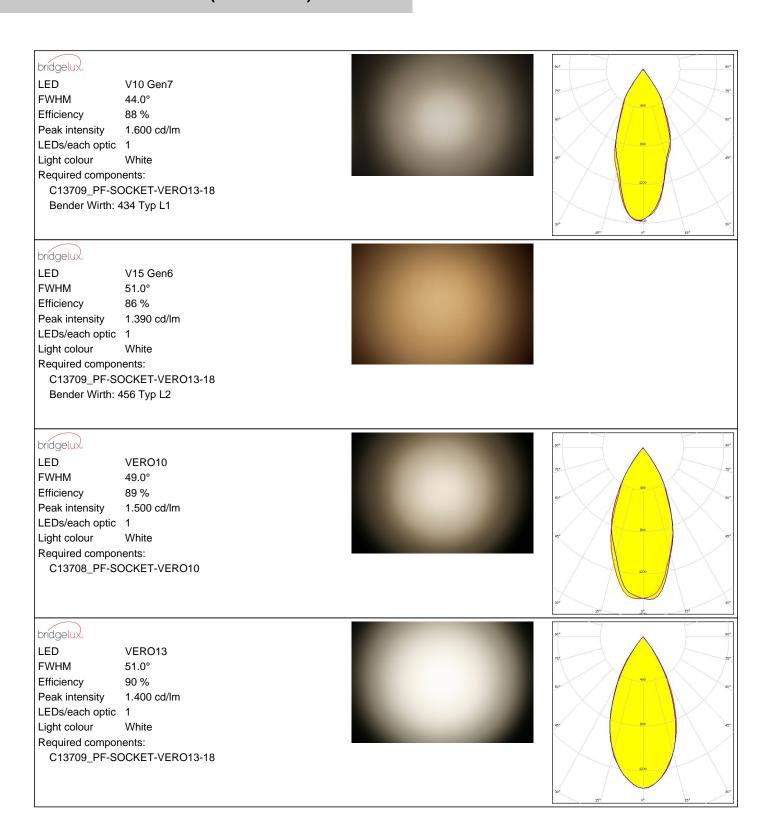
MATERIAL SPECIFICATIONS:

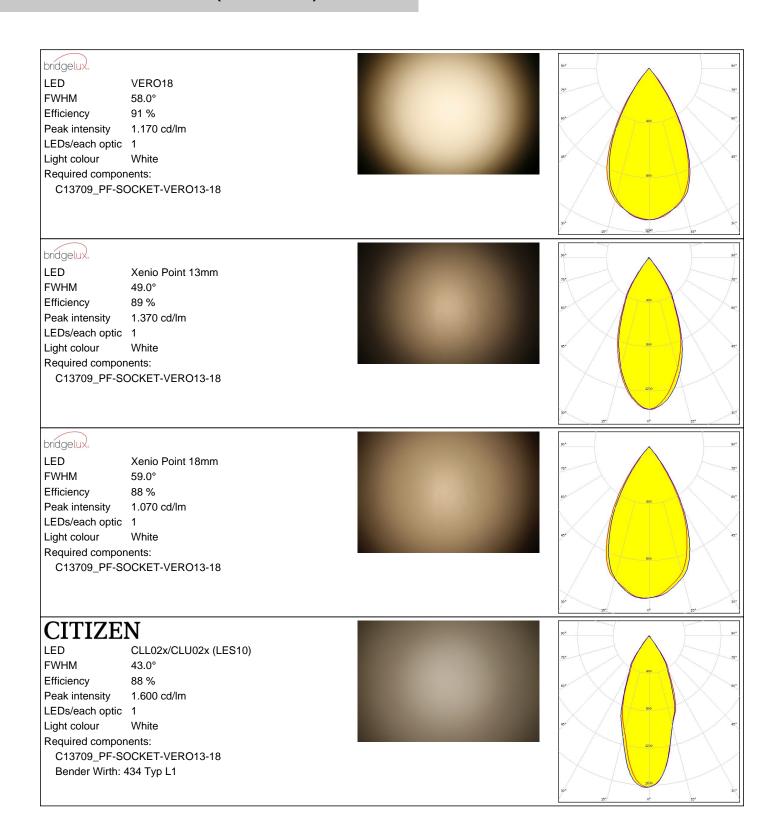
Component **Type** Material Colour Coating BARBARA-WW-PF Reflector PC metal **HMDS**











PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL03x/CLU03x

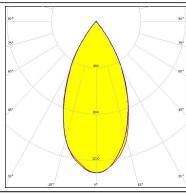
FWHM 50.0° 86 % Efficiency Peak intensity 1.300 cd/lm LEDs/each optic 1

Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1





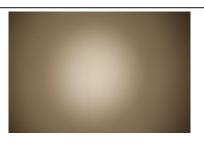
CITIZEN

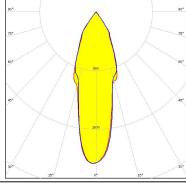
LED CLU700/701 **FWHM** 28.0° 88 % Efficiency Peak intensity 2.100 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1





CITIZEN

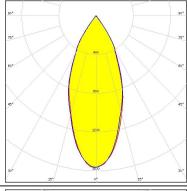
LED CLU720/721 **FWHM** 43.0° Efficiency 86 % Peak intensity cd/lm

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1





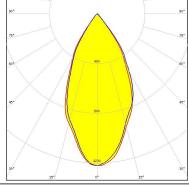
CREE ÷

LED CXA/B 15xx **FWHM** 51.0° Efficiency 85 % 1.200 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components: C13083_PF-SOCKET

C14658_BARBARA-RZ-LENS





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PHOTOMETRIC DATA (MEASURED):

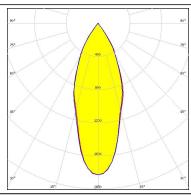
CREE 💠

LED CXA/B 15xx **FWHM** 40.0° Efficiency 89 % Peak intensity 1.800 cd/lm LEDs/each optic 1

Light colour White Required components:

C14115_PF-SOCKET-CXA15-18





CREE

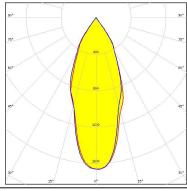
LED CXA/B 15xx **FWHM** 41.0° Efficiency Peak intensity 1.700 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 441 Typ L1





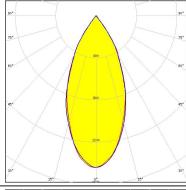
CREE ÷

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

FWHM 46.0° Efficiency 86 % Peak intensity 1.400 cd/lm

LEDs/each optic 1 Light colour White Required components:

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



CREE ÷

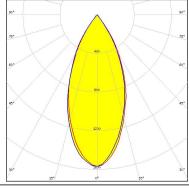
LED CXA/B 1816 & CXA/B 1820 & CXA 1850

FWHM 46.0° Efficiency 90 % 1.600 cd/lm Peak intensity LEDs/each optic 1

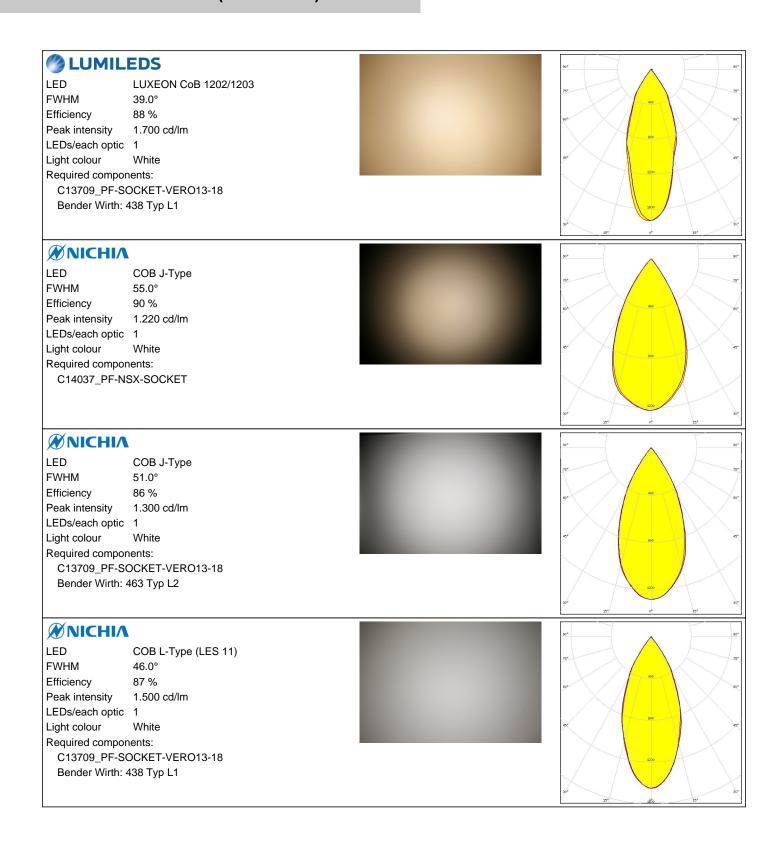
White Light colour Required components:

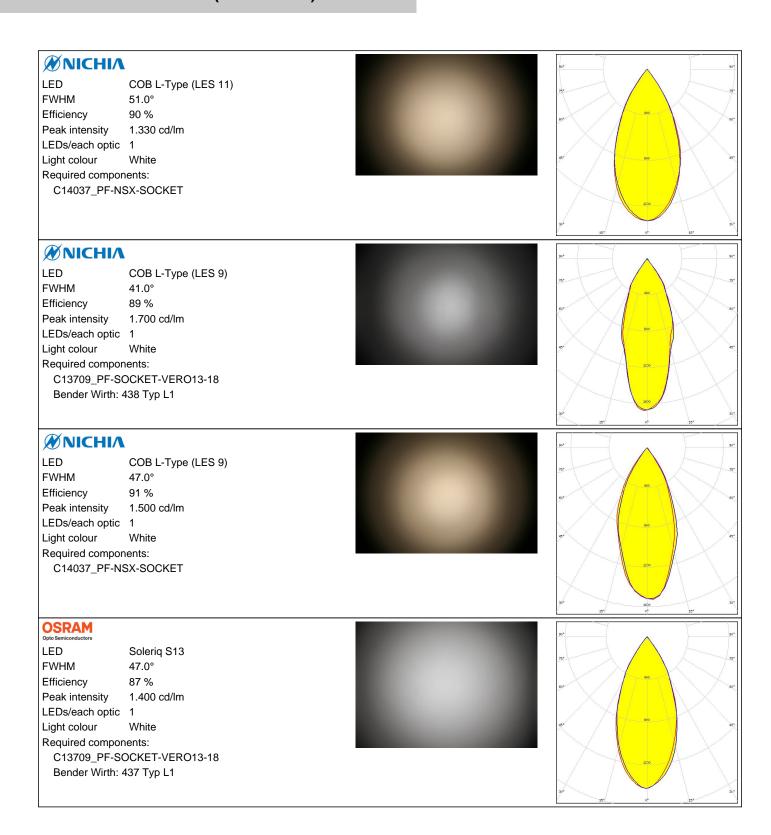
C14115_PF-SOCKET-CXA15-18





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PHOTOMETRIC DATA (MEASURED):

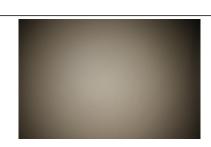
SAMSUNG

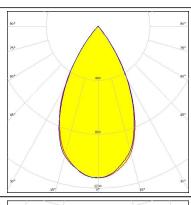
LED LC026B / 033B / 040B

FWHM 55.0°
Efficiency 86 %
Peak intensity 1.100 cd/lm

LEDs/each optic 1
Light colour White
Required components:

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





TRIDONIC

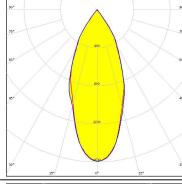
LED SLE G5 LES11

FWHM 43.0°
Efficiency 89 %
Peak intensity 1.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

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





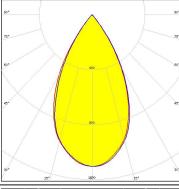
XICATO

LED XTM - 19mm LES

FWHM 55.0° Efficiency 84 % Peak intensity 1.100 cd/lm

LEDs/each optic 1
Light colour White
Required components:
C14636_XTM-PF-ADAPTER





XICATO

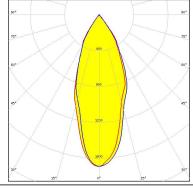
LED XTM - 9mm LES

FWHM 42.0° Efficiency 87 % Peak intensity 1.700 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C14636_XTM-PF-ADAPTER





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PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED VERO10
FWHM 66.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White

Required components:

bridgelux.

LED VERO13
FWHM 67.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1

Light colour White Required components:

bridgelux

LED VERO18
FWHM 68.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

ELUMINUS

 LED
 CXM-14

 FWHM
 50.0°

 Efficiency
 86 %

 Peak intensity
 1.300 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
FWHM 43.0°
Efficiency 88 %
Peak intensity 1.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1

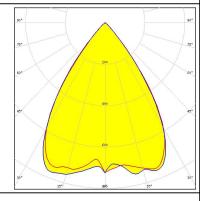
OSRAM Opto Semiconductors

LED Soleriq S15
FWHM 73.0°
Efficiency 90 %
Peak intensity 0.770 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1



SEOUL SEMICONDUCTO

 LED
 ZC12/18

 FWHM
 50.0°

 Efficiency
 86 %

 Peak intensity
 1.300 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1



LED ZC4/6
FWHM 43.0°
Efficiency 88 %
Peak intensity 1.600 cd/lm

LEDs/each optic 1
Light colour White
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

Shipping locations

Salo, Finland Hong Kong, China

Distribution Partners

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