

BARBARA-S-PF

~15° spot beam

SPECIFICATION:

Dimensions Ø 70.0 mm

Height 41.7 mm

Fastening socket

ROHS compliant yes ①



MATERIALS:

ComponentTypeMaterialBARBARA-S-PFReflectorPC

ColourFinishCoatingmetalHMDS

ORDERING INFORMATION:

Component

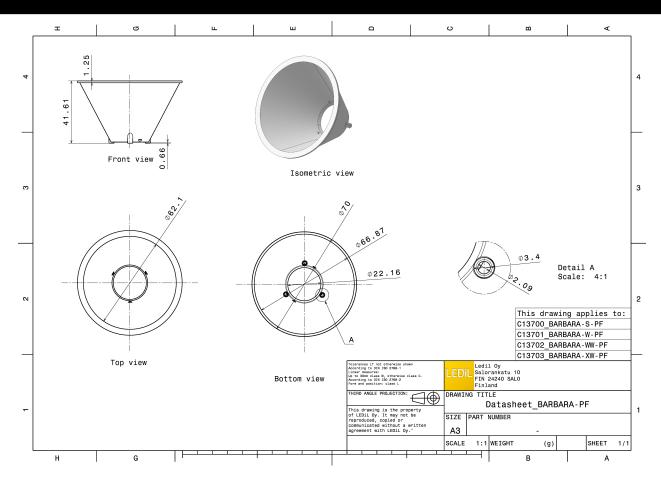
F13700_BARBARA-S-PF

» 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



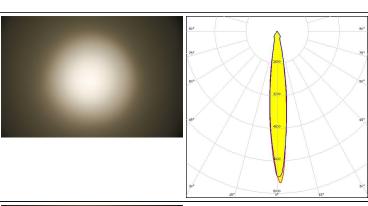
See also our general installation guide: www.ledil.com/installation_guide





LED V10 Gen7
FWHM / FWTM 14.0° / 30.0°
Efficiency 88 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

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



bridgelux.

LED V15 Gen6
FWHM / FWTM 18.0° / 52.0°
Efficiency 92 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 456 Typ L2



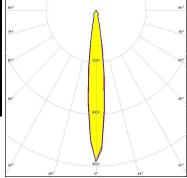
bridgelux

LED V8 Gen6
FWHM / FWTM 13.0° / 28.0°
Efficiency 86 %
Peak intensity 10.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 460 Typ L1

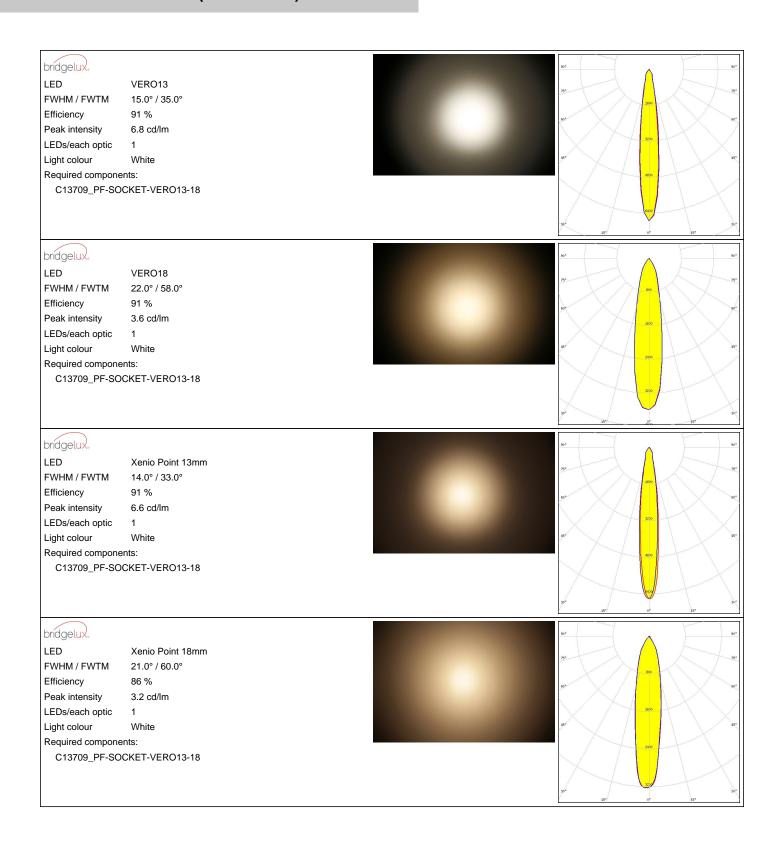
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bridgelux.

LED VERO10
FWHM / FWTM 13.0° / 27.0°
Efficiency 90 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13708_PF-SOCKET-VERO10







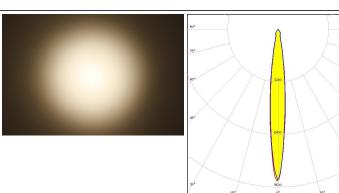


CITIZEN

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

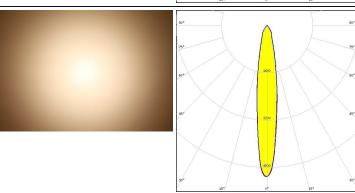


CITIZEN

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:

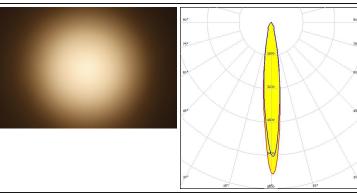
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 433 Typ L1



CITIZEN

LED CLU720/721/723
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

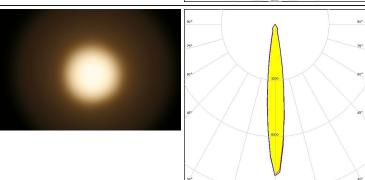
C13709_PF-SOCKET-VERO13-18 Bender Wirth: 433 Typ L1



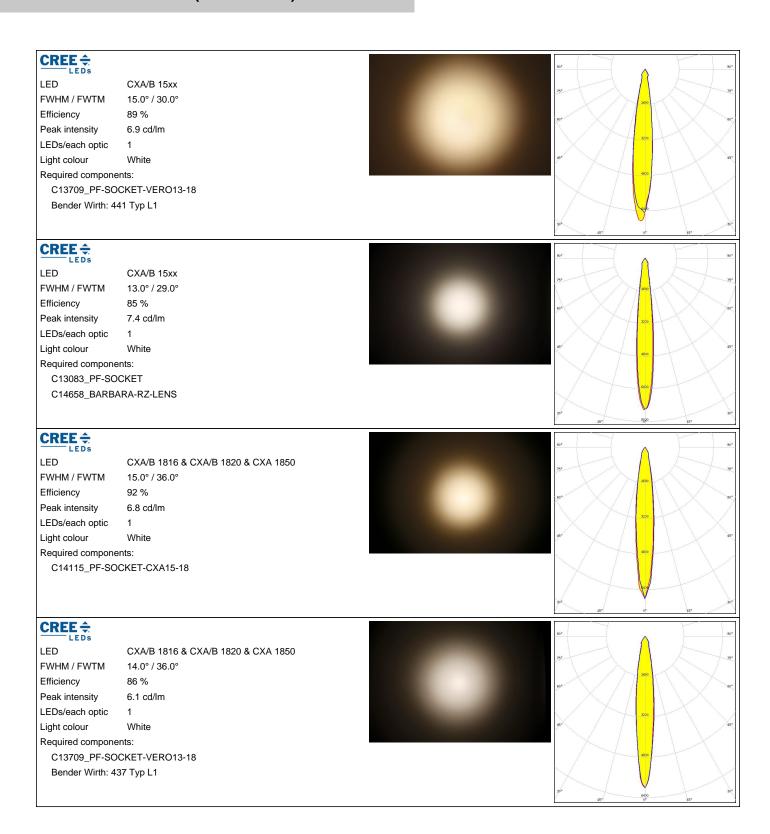
CREE \$

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









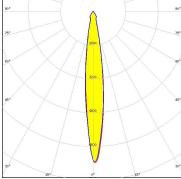


LED LUXEON CoB 1202/1203

FWHM / FWTM 14.0° / 30.0°
Efficiency 88 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

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





DESCRIPTION LUMILEDS

LED LUXEON CoB 1202/1203

FWHM / FWTM 12.0° / 25.0°

Efficiency 90 %

Peak intensity 10.6 cd/lm

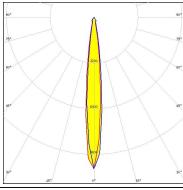
LEDs/each optic 1

Light colour White

Required components:

C14037_PF-NSX-SOCKET





DESCRIPTION LUMILEDS

LED LUXEON CoB 1202s

FWHM / FWTM 9.0° / 18.0° Efficiency 90 % Peak intensity 19.6 cd/lm LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

C13761_PF-SOCKET-CXA15



WNICHIA

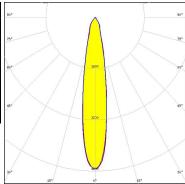
LED COB J-Type FWHM / FWTM 19.0° / 44.0°

Efficiency 91 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White

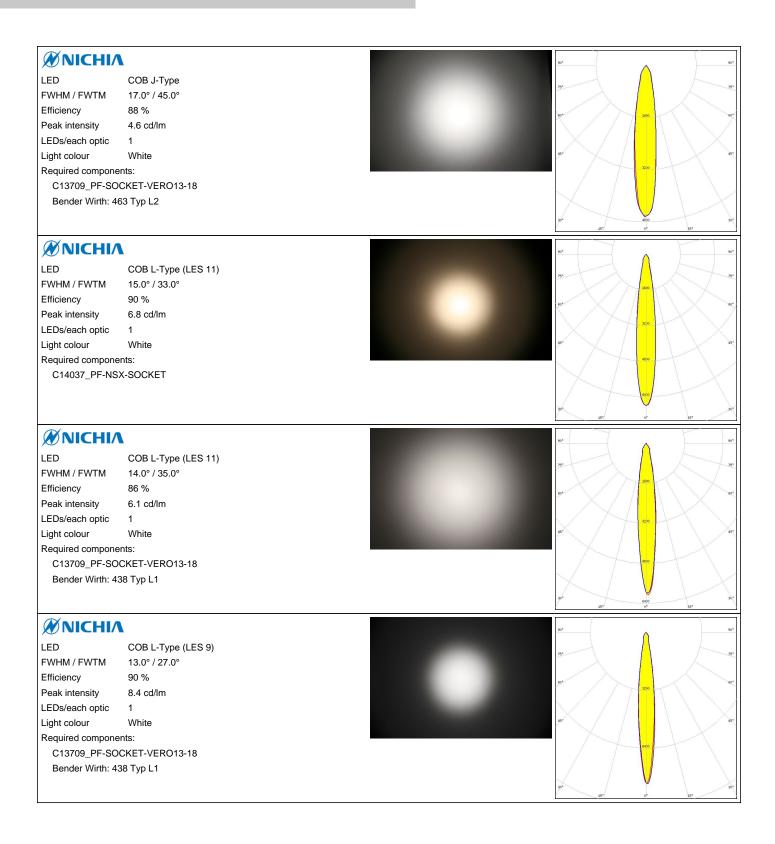
C14037_PF-NSX-SOCKET

Required components:

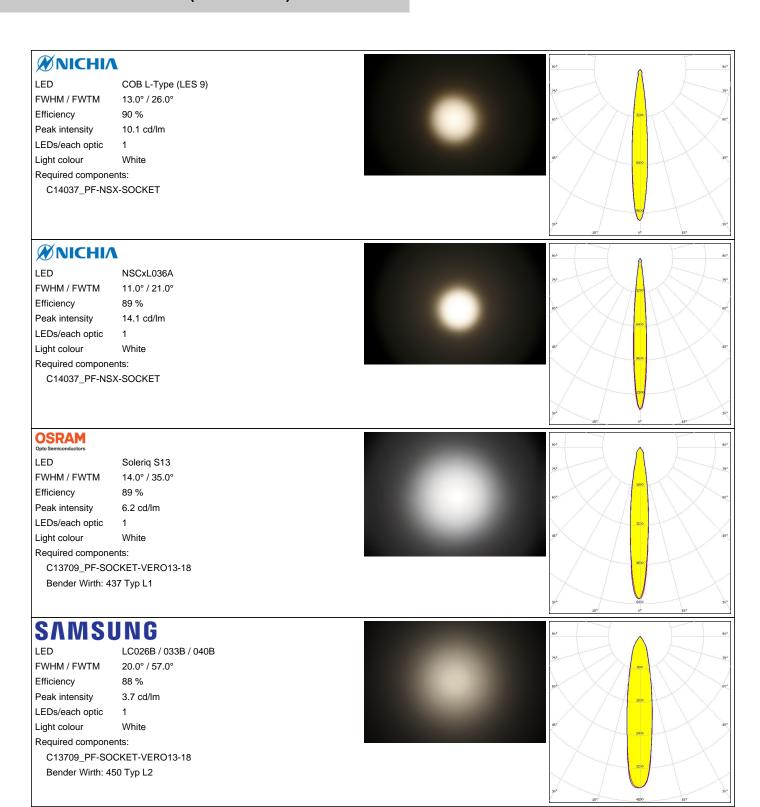




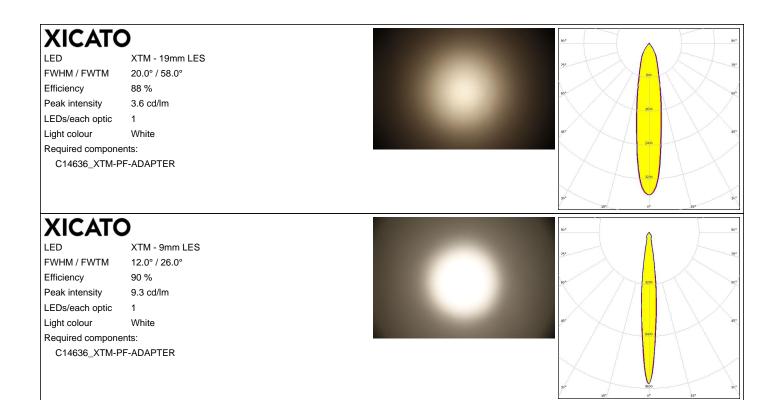












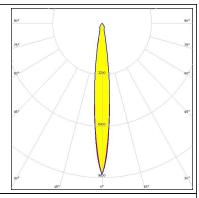


OPTICAL RESULTS (SIMULATED):



LED V10 Gen7 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 12.0° / 27.0° Efficiency 91 % Peak intensity 9.4 cd/lm LEDs/each optic 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 White Light colour

Required components:

C13761_PF-SOCKET-CXA15

ELUMINUS

LED CxM-14 (19x19) $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 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

ELUMINUS

CxM-9 (13.5x13.5) FWHM / FWTM 12.0° / 27.0° Efficiency 89 % Peak intensity 9.2 cd/lm LEDs/each optic 1 White Light colour

Required components:

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



OPTICAL RESULTS (SIMULATED):

OSRAM

 LED
 Soleriq S15

 FWHM / FWTM
 20.0° / 47.0°

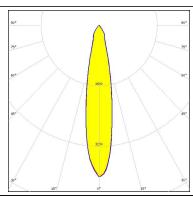
 Efficiency
 88 %

 Peak intensity
 4 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
 9.1° / 19.0°

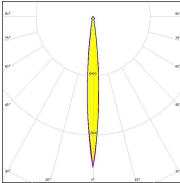
 Efficiency
 89 %

 Peak intensity
 16.3 cd/lm

LEDs/each optic 1
Light colour White

Required components:

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

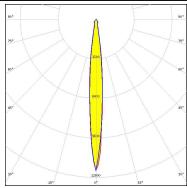


SAMSUNG

LED LC020C
FWHM / FWTM 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

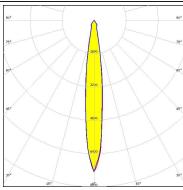


SAMSUNG

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

Light colour W Required components:

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





OPTICAL RESULTS (SIMULATED):



LED

ZC12/18

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$

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

ZC4/6

LED FWHM / FWTM

12.0° / 27.0°

Efficiency

89 %

Peak intensity

00 70

LEDs/each optic

9.2 cd/lm

Light colour

1 White

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1



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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