

ANGELA-M-B

~30° medium beam compatible with BJB and **B+W** connectors

SPECIFICATION:

Dimensions Ø 119.5 mm 74.5 mm Height Fastening socket yes 🕕 **ROHS** compliant



MATERIALS:

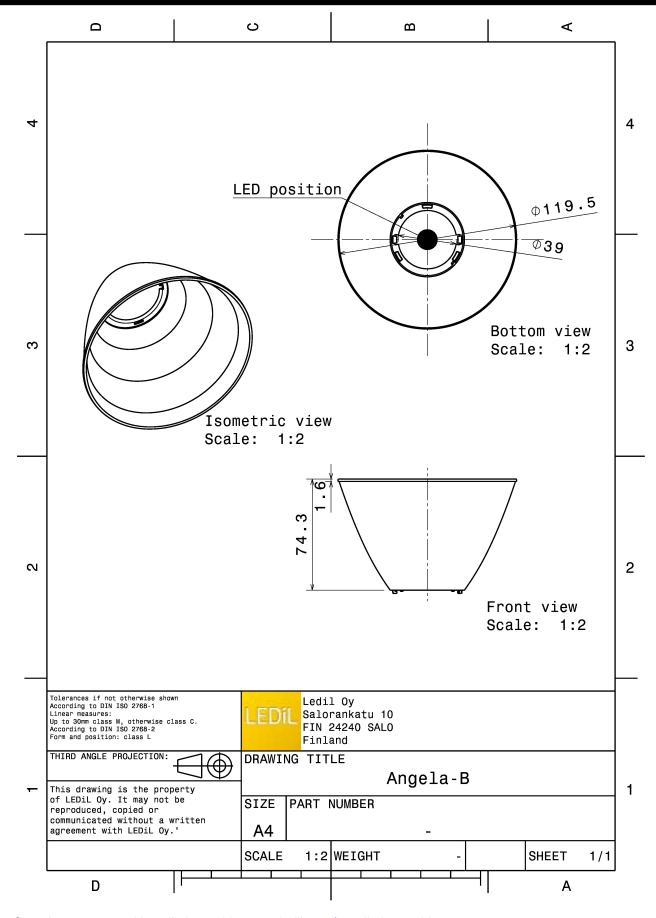
Component **Type** Material Colour **Finish** Coating ANGELA-M-B Reflector PC metal **HMDS**

ORDERING INFORMATION:

Component Qty in box MOQ MPQ Box weight (kg) 90 45 9.1

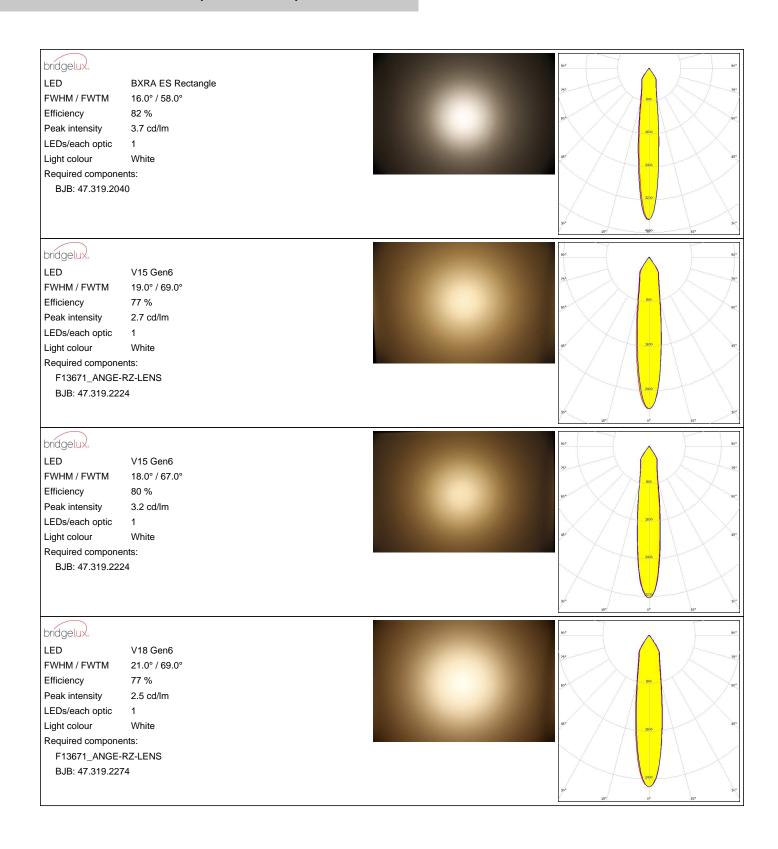
F13663_ANGELA-M-B 180 » Box size: 398 x 298 x 265 mm



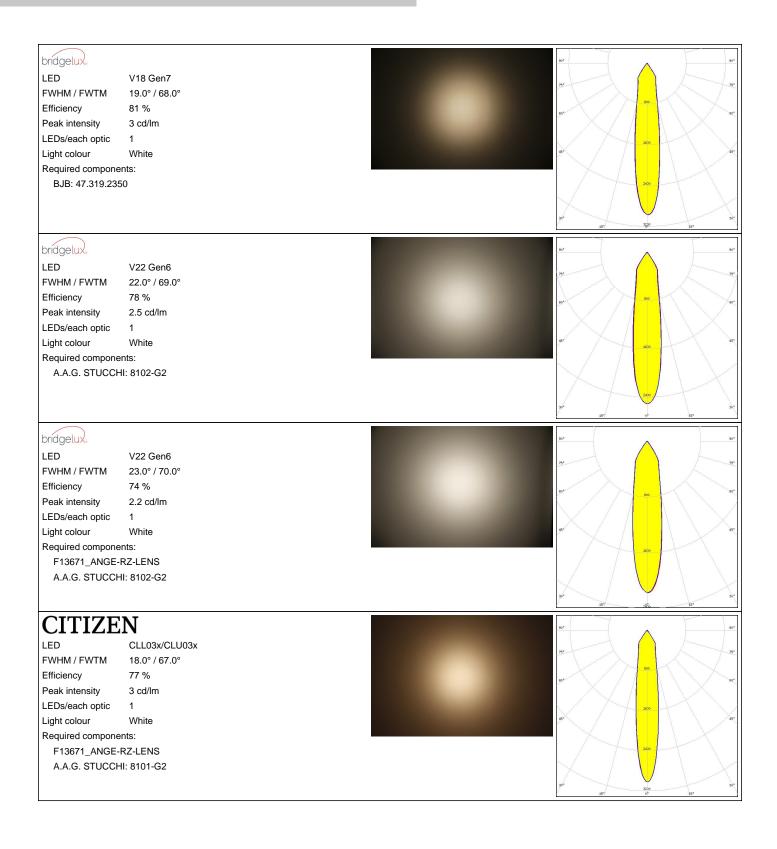


See also our general installation guide: www.ledil.com/installation_guide







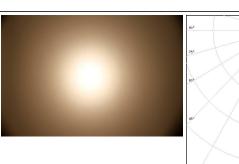


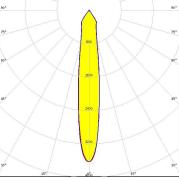


CITIZEN CL

LED CLL03x/CLU03x
FWHM / FWTM 16.0° / 61.0°
Efficiency 83 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

A.A.G. STUCCHI: 8101-G2

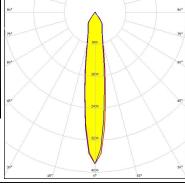




CITIZEN

LED CLL03x/CLU03x
FWHM / FWTM 16.0° / 57.0°
Efficiency 83 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021

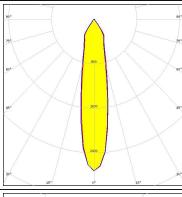




CITIZEN

LED CLL04x/CLU04x
FWHM / FWTM 21.0° / 62.0°
Efficiency 81 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030

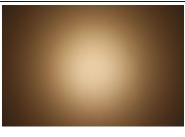


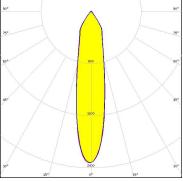


CITIZEN

LED CLL04x/CLU04x
FWHM / FWTM 22.0° / 70.0°
Efficiency 76 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS

A.A.G. STUCCHI: 8102-G2

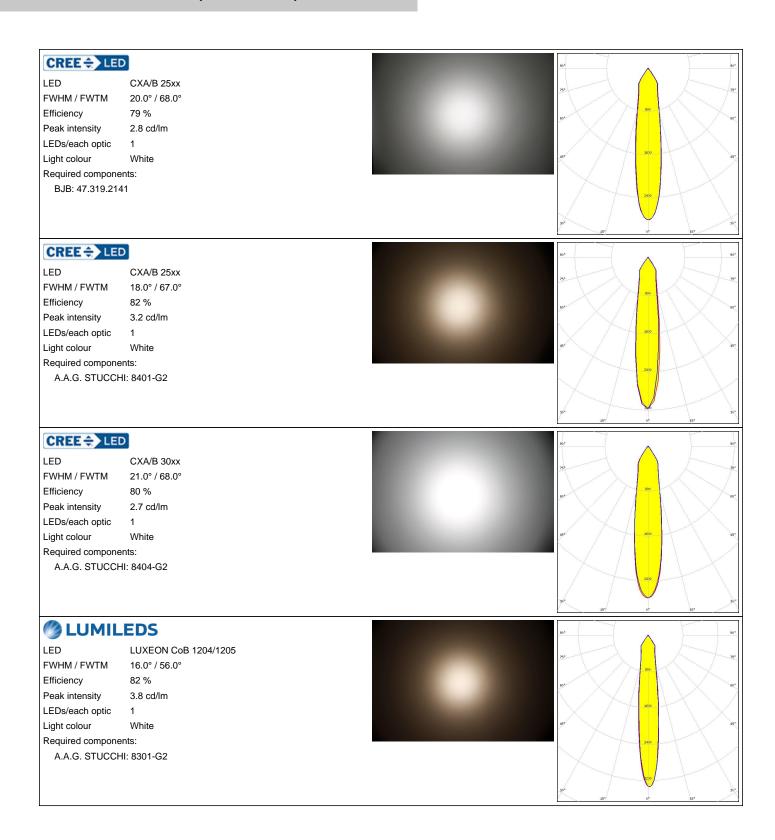




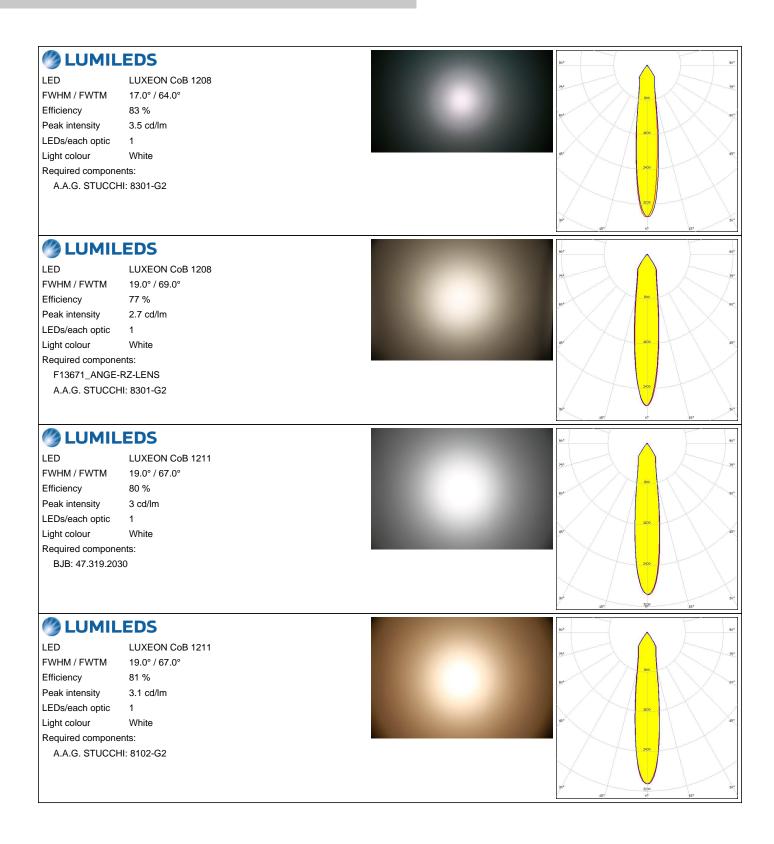


CITIZEN CLL04x/CLU04x FWHM / FWTM 21.0° / 69.0° Efficiency 81 % Peak intensity 2.7 cd/lm LEDs/each optic Light colour White Required components: A.A.G. STUCCHI: 8102-G2 **CITIZEN** LED CLU720/721/723 FWHM / FWTM 14.0° / 53.0° Efficiency 83 % Peak intensity 4 cd/lm LEDs/each optic 1 White Light colour Required components: A.A.G. STUCCHI: 8101-G2 **CITIZEN** CLU720/721/723 FWHM / FWTM 14.0° / 50.0° Efficiency 82 % Peak intensity 4.2 cd/lm LEDs/each optic Light colour White Required components: BJB: 47.319.2021 CREE - LED CXA/B 25xx FWHM / FWTM 21.0° / 69.0° Efficiency 76 % Peak intensity 2.4 cd/lm LEDs/each optic White Light colour Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2141

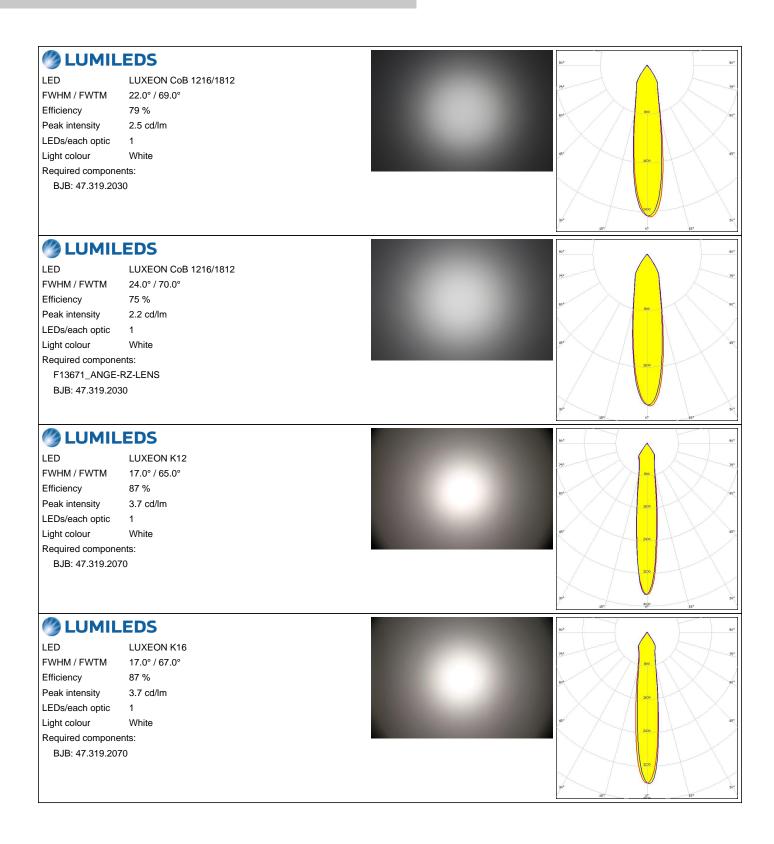




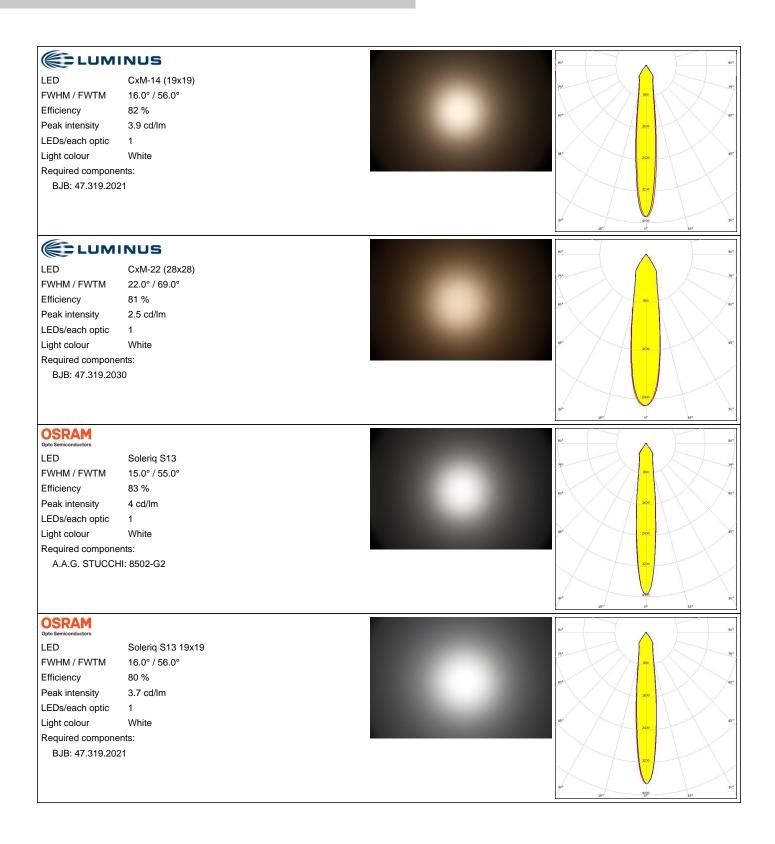










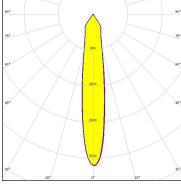




OSRAM

LED Soleriq S19 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 18.0° / 65.0° Efficiency 83 % Peak intensity 3.4 cd/lm LEDs/each optic Light colour White Required components:



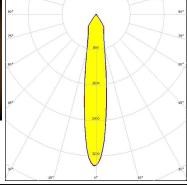


OSRAM

BJB: 47.319.2170

LED Soleriq S19 FWHM / FWTM 17.0° / 65.0° Efficiency 83 % Peak intensity 3.4 cd/lm LEDs/each optic 1 White Light colour Required components: A.A.G. STUCCHI: 8503-G2



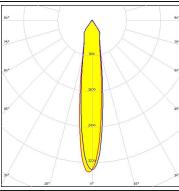


SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 17.0° / 66.0° Efficiency 81 % Peak intensity 3.4 cd/lm LEDs/each optic Light colour White Required components: A.A.G. STUCCHI: 8101-G2



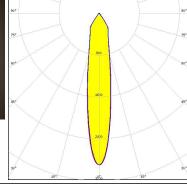


SAMSUNG

LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 18.0° / 68.0° Efficiency 78 % Peak intensity 2.9 cd/lm LEDs/each optic White Light colour Required components: F13671_ANGE-RZ-LENS A.A.G. STUCCHI: 8101-G2



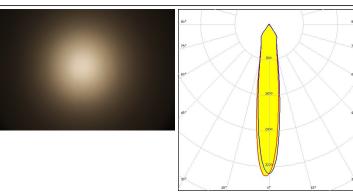




SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 17.0° / 66.0°
Efficiency 81 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

BJB: 47.319.2021

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 18.0° / 68.0°

Efficiency 78 %

Peak intensity 2.9 cd/lm

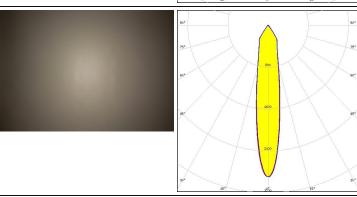
LEDs/each optic 1

Light colour White

Required components:

F13671 ANGE-R7-I FNS

equired components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2021



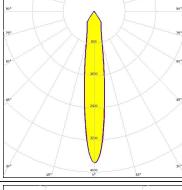
SEOUL SEMICONDUCTOR

LED ZC12/18
FWHM / FWTM 16.0° / 57.0°
Efficiency 82 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White

A.A.G. STUCCHI: 8101-G2

Required components:



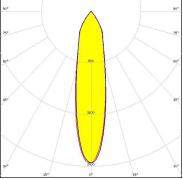


SEOUL SEMICONDUCTOR

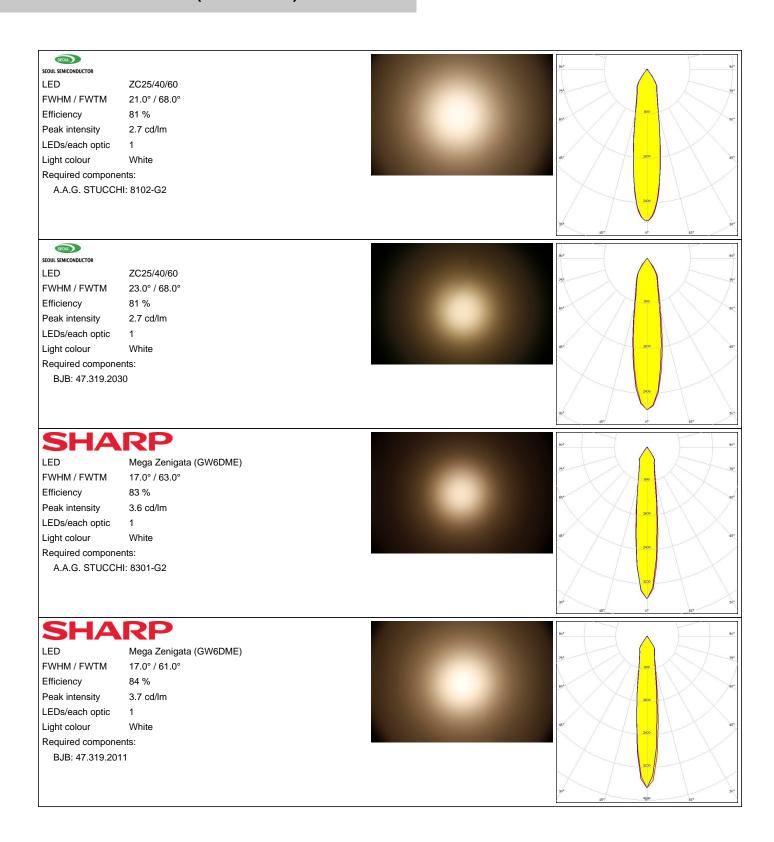
LED ZC25/40/60
FWHM / FWTM 24.0° / 69.0°
Efficiency 77 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White

Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2030







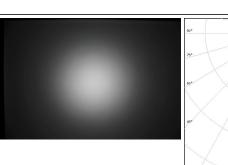


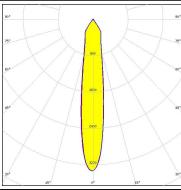


TRIDONIC

SLE G7 LES17 H $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 17.0° / 66.0° Efficiency 80 % Peak intensity 3.3 cd/lm

LEDs/each optic Light colour White Required components:



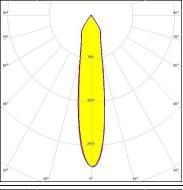


TRIDONIC

LED SLE G7 LES21 H FWHM / FWTM 20.0° / 68.0° Efficiency 80 %

Peak intensity 2.8 cd/lm LEDs/each optic 1 White Light colour Required components:





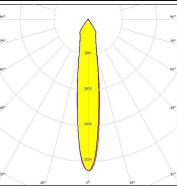
XICATO

XOB 14.5 mm

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 17.0° / 66.0° Efficiency 82 % Peak intensity 3.4 cd/lm LEDs/each optic

Light colour White Required components: BJB: 47.319.2021





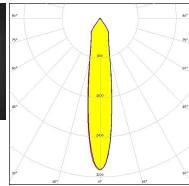
XICATO

XTM - 19mm LES FWHM / FWTM 19.0° / 68.0°

Efficiency 81 % Peak intensity 3.1 cd/lm LEDs/each optic White Light colour Required components:

C15743_XTM-ADAPTER-50-B







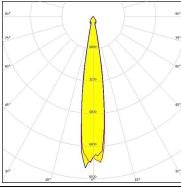
OPTICAL RESULTS (SIMULATED):

CITIZEN

LED CLU730/731/733 FWHM / FWTM 16.0° / 26.0° Efficiency 91 %

LEDs/each optic Light colour White

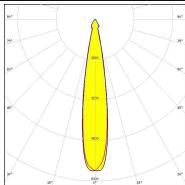
Required components: BJB: 47.319.2030



OSRAM Opto Semiconductors

LED Soleriq S15 FWHM / FWTM 18.0° / 30.0° Efficiency 90 % Peak intensity 6 cd/lm LEDs/each optic 1 White Light colour

Required components: BJB: 47.319.2021

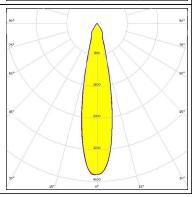


SAMSUNG

LED LC040D / LC060D / LC080D

FWHM / FWTM 23.0° / 45.0° Efficiency 87 % Peak intensity 3.8 cd/lm LEDs/each optic 1 Light colour White

Required components: BJB: 47.319.2030





PRODUCT DATASHEET F13663_ANGELA-M-B

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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