

ANGELA-M-B

~30° medium beam compatible with **BJB** connectors

TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

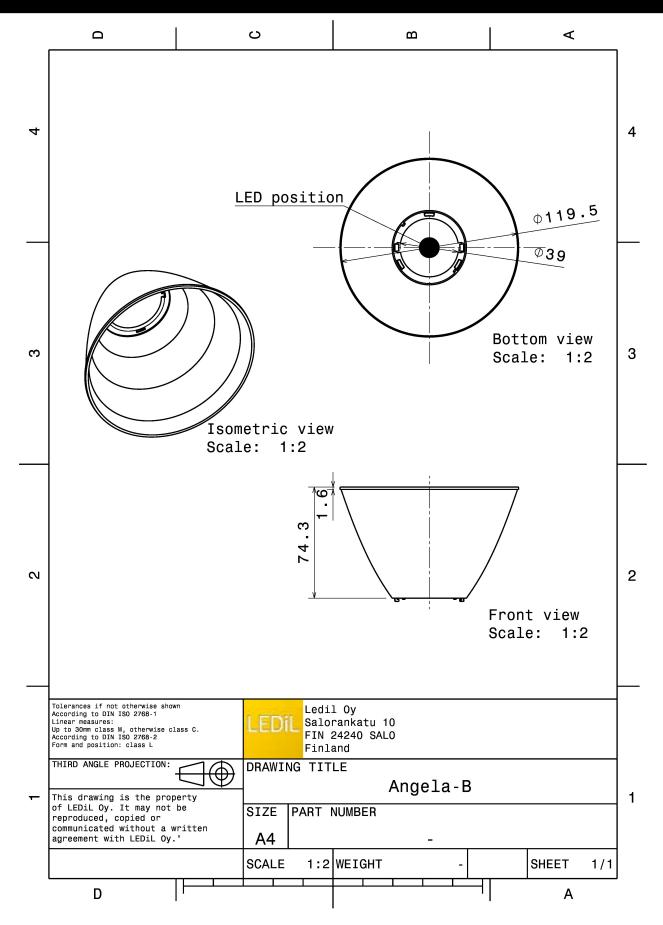
Component **Type** Material Colour **Finish** Coating Reflector ANGELA-M-B PC metal **HMDS**

ORDERING INFORMATION:

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

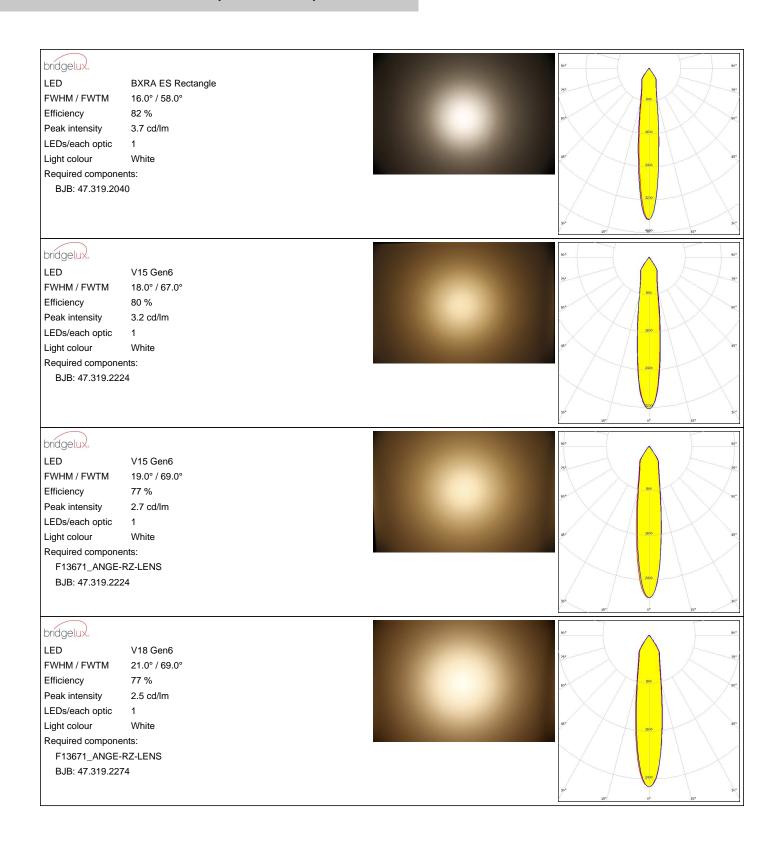
F13663_ANGELA-M-B 180 » Box size: 398 x 298 x 265 mm



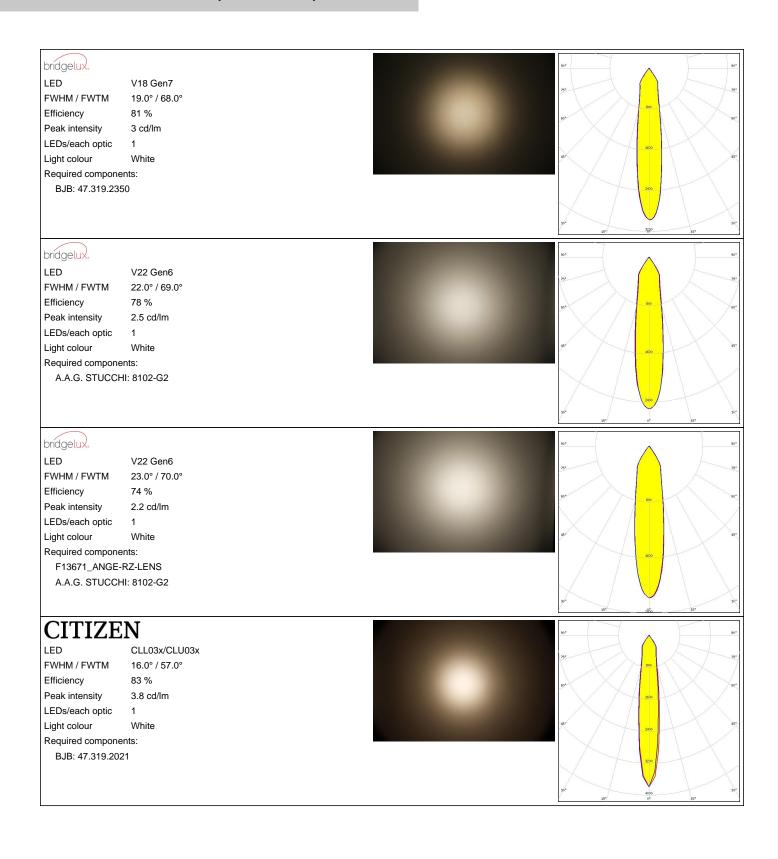


See also our general installation guide: www.ledil.com/installation_guide









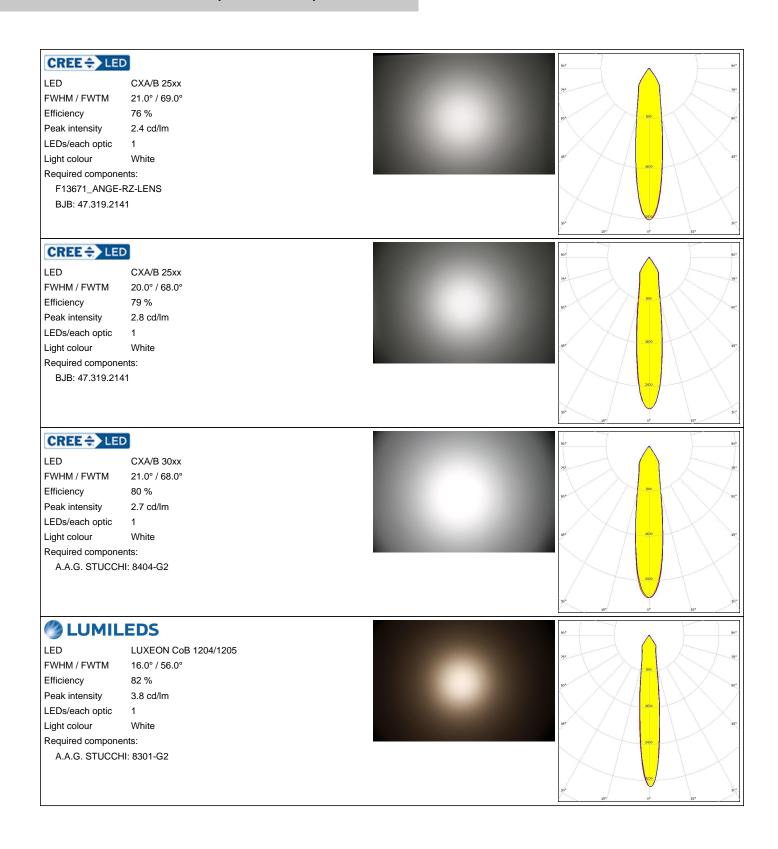


CITIZEN CLL03x/CLU03x $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 18.0° / 67.0° Efficiency 77 % Peak intensity 3 cd/lm LEDs/each optic Light colour White Required components: F13671_ANGE-RZ-LENS A.A.G. STUCCHI: 8101-G2 **CITIZEN** LED CLL03x/CLU03x FWHM / FWTM 16.0° / 61.0° Efficiency 83 % Peak intensity 3.6 cd/lm LEDs/each optic 1 White Light colour Required components: A.A.G. STUCCHI: 8101-G2 **CITIZEN** CLL04x/CLU04x LED FWHM / FWTM 22.0° / 70.0° Efficiency 76 % Peak intensity 2.3 cd/lm LEDs/each optic 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 White Light colour Required components: A.A.G. STUCCHI: 8102-G2

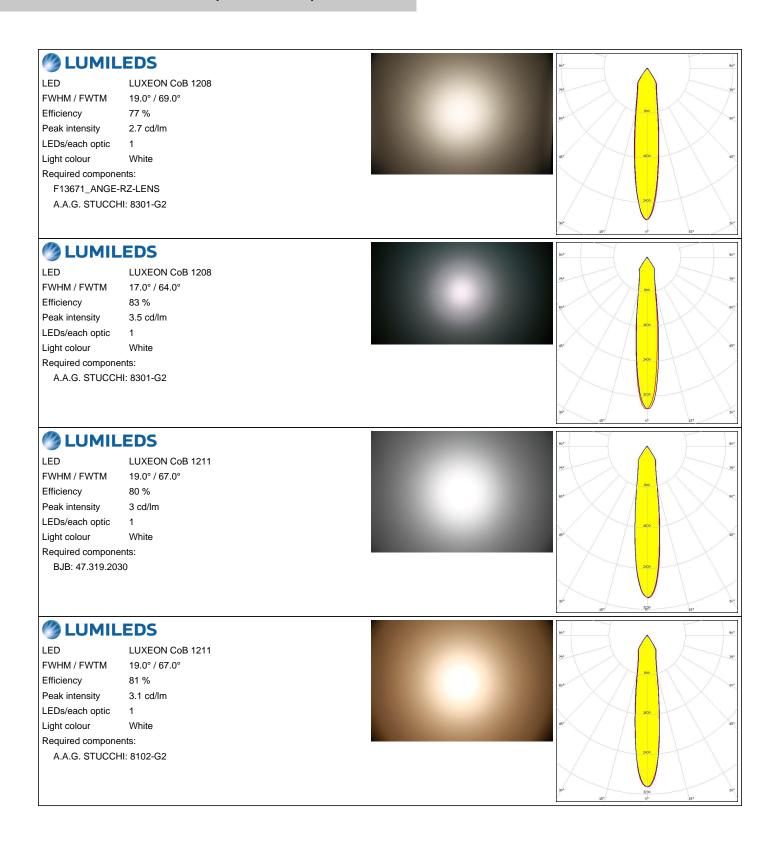


CITIZEN CLL04x/CLU04x $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 21.0° / 62.0° Efficiency 81 % Peak intensity 2.7 cd/lm LEDs/each optic Light colour White Required components: BJB: 47.319.2030 **CITIZEN** LED CLU720/721 FWHM / FWTM 14.0° / 50.0° Efficiency 82 % Peak intensity 4.2 cd/lm LEDs/each optic 1 White Light colour Required components: BJB: 47.319.2021 **CITIZEN** CLU720/721 LED $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 14.0° / 53.0° Efficiency 83 % Peak intensity 4 cd/lm LEDs/each optic Light colour White Required components: A.A.G. STUCCHI: 8101-G2 CREE - LED CXA/B 25xx FWHM / FWTM 18.0° / 67.0° Efficiency 82 % Peak intensity 3.2 cd/lm LEDs/each optic White Light colour Required components: A.A.G. STUCCHI: 8401-G2

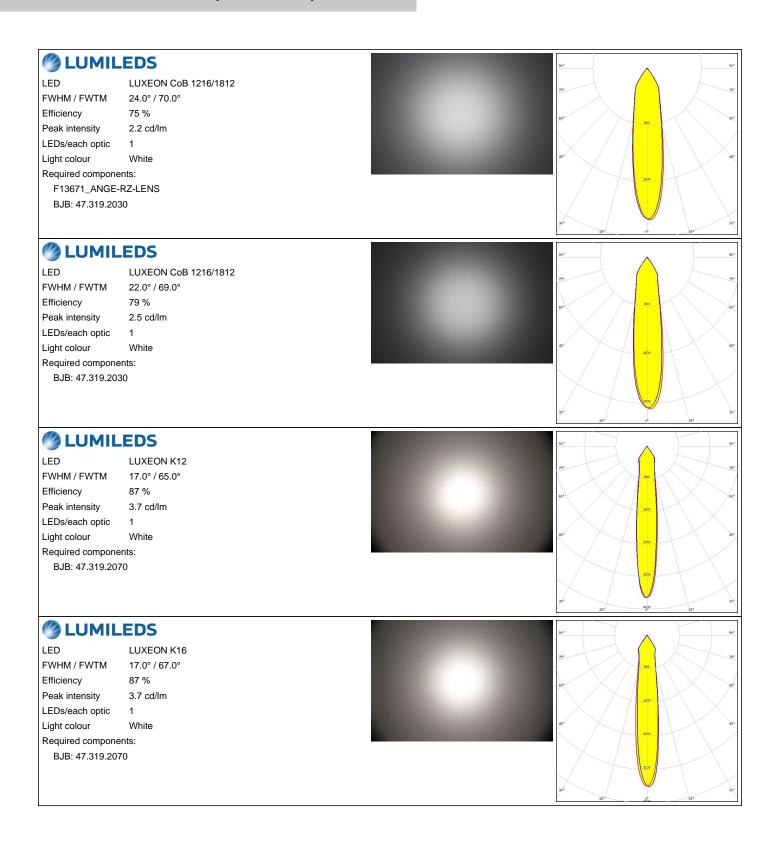




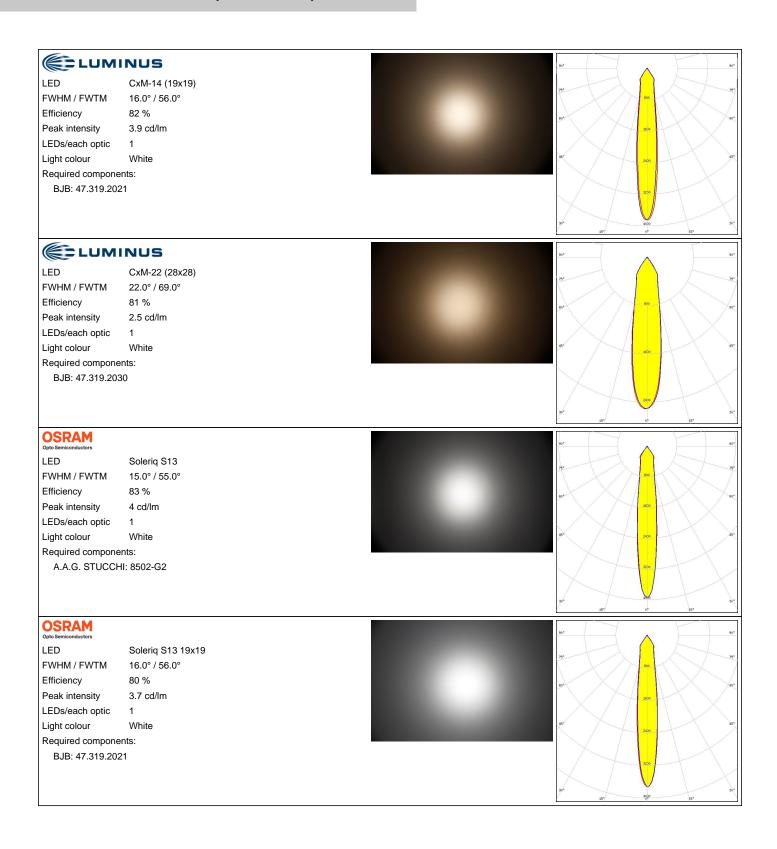








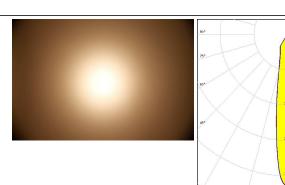






OSRAM

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

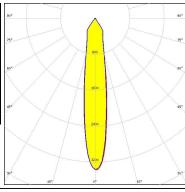


OSRAM

Opto Semiconducto

LED Soleriq S19
FWHM / FWTM 18.0° / 65.0°
Efficiency 83 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2170



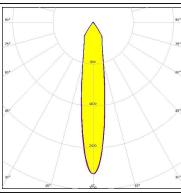


SAMSUNG

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-RZ-LENS
BJB: 47.319.2021



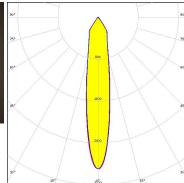


SAMSUNG

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-RZ-LENS
A.A.G. STUCCHI: 8101-G2





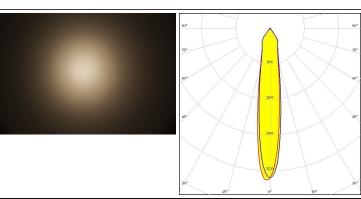
Published: 30/04/2018



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:

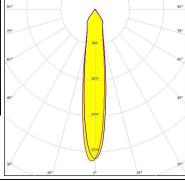


SAMSUNG

BJB: 47.319.2021

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 17.0° / 66.0°
Efficiency 81 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8101-G2



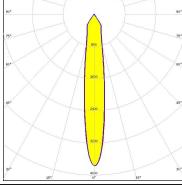
SEOUL SEMICONDUCTOR

LED ZC12/18 FWHM / FWTM 16.0° / 57.0°

Efficiency 82 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

A.A.G. STUCCHI: 8101-G2





SEOUL SEMICONDUCTOR

Light colour

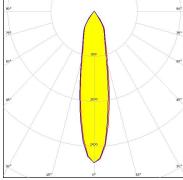
LED ZC25/40/60 FWHM / FWTM 23.0° / 68.0°

Efficiency 81 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1

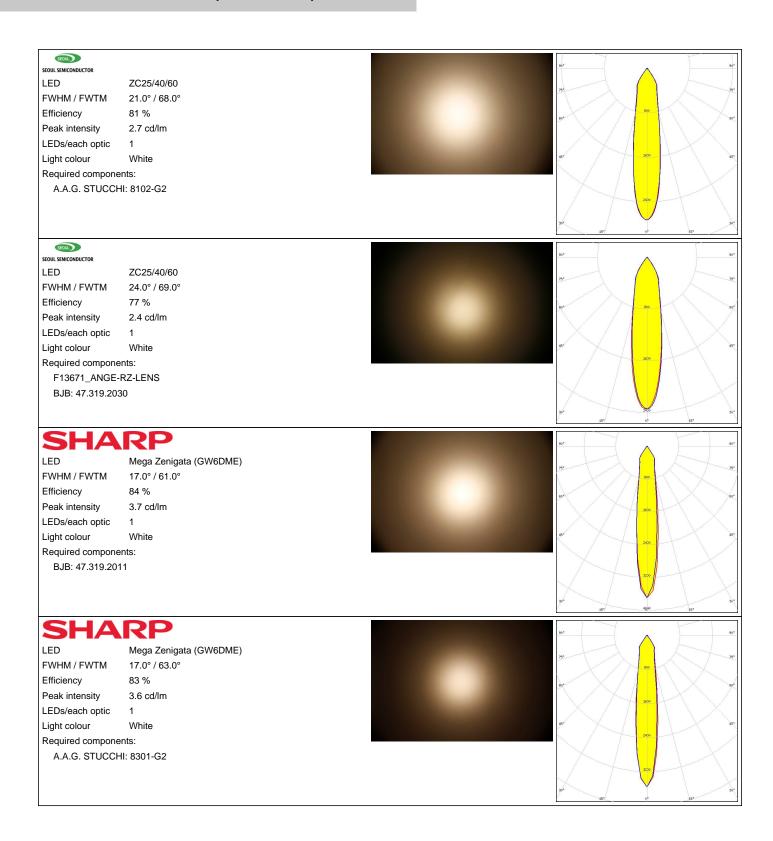
White

Required components: BJB: 47.319.2030



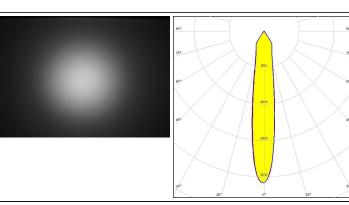




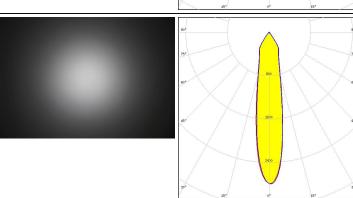




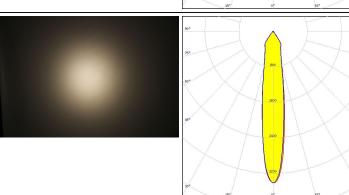
TRIDONIC LED SLE G7 LES17 H FWHM / FWTM 17.0° / 66.0° Efficiency 80 % Peak intensity 3.3 cd/lm LEDs/each optic 1 Light colour White Required components:



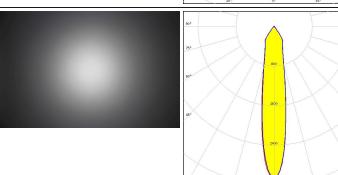




LED XOB 14.5 mm FWHM / FWTM 17.0° / 66.0° Efficiency 82 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2021







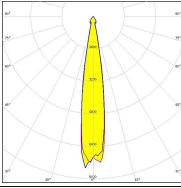


PHOTOMETRIC DATA (SIMULATED):

CITIZEN

LED CLU730/731 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 16.0° / 26.0° Efficiency 91 % LEDs/each optic Light colour White

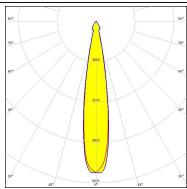
Required components: BJB: 47.319.2030



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

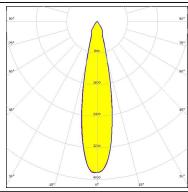


SAMSUNG

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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LEDIL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405, Block B **Casic Motor Building** Shenzhen 518057 P.R.CHINA

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