

ANGELA-S-B

~10° beam compatible with **BJB** spot connectors

TECHNICAL SPECIFICATIONS:

Dimensions Ø 119.5 mm

Height 74.5 mm

Fastening socket

ROHS compliant yes 🕕



Material Component **Type** ANGELA-S-B Reflector PC

Colour **Finish** Coating metal **HMDS**

LEDIL

ORDERING INFORMATION:

Component

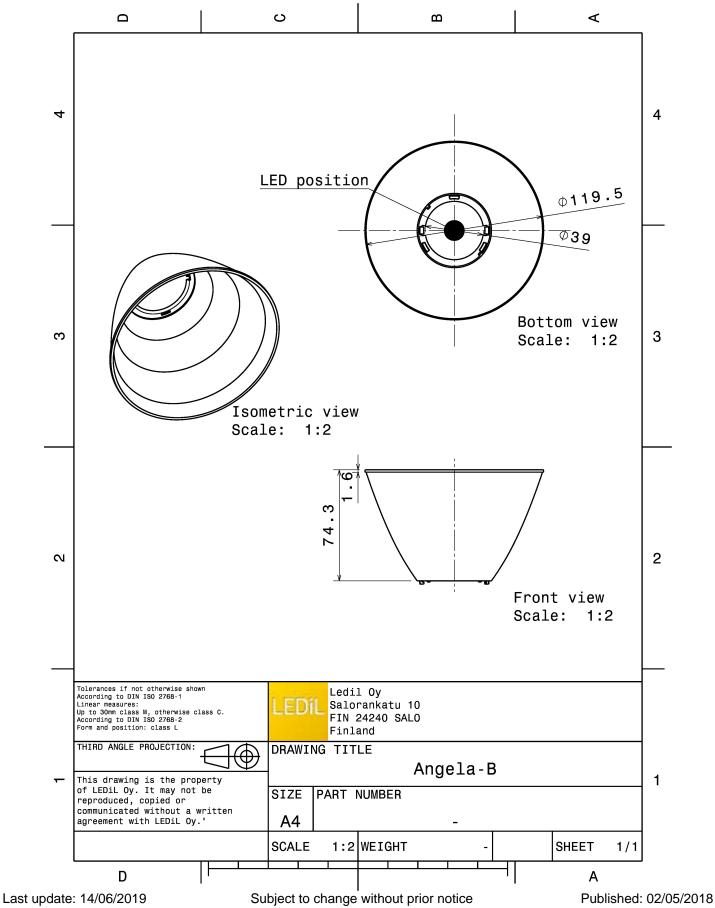
F13662_ANGELA-S-B

» Box size: 398 x 298 x 265 mm

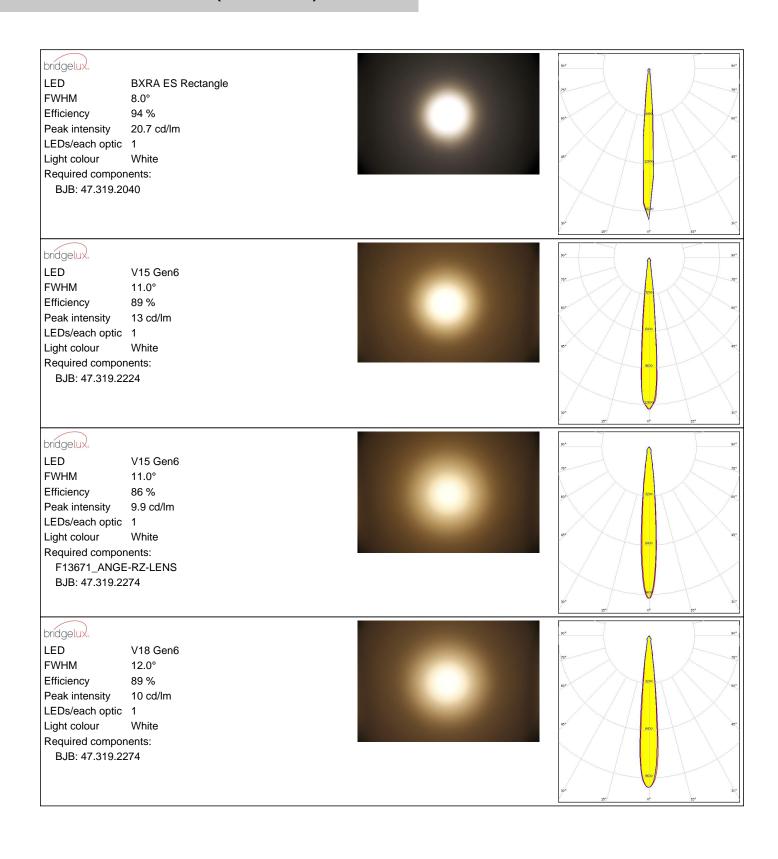
Qty in box MOQ MPQ Box weight (kg) 180 90 45 8.6

Published: 02/05/2018 Last update: 14/06/2019 Subject to change without prior notice 1/19

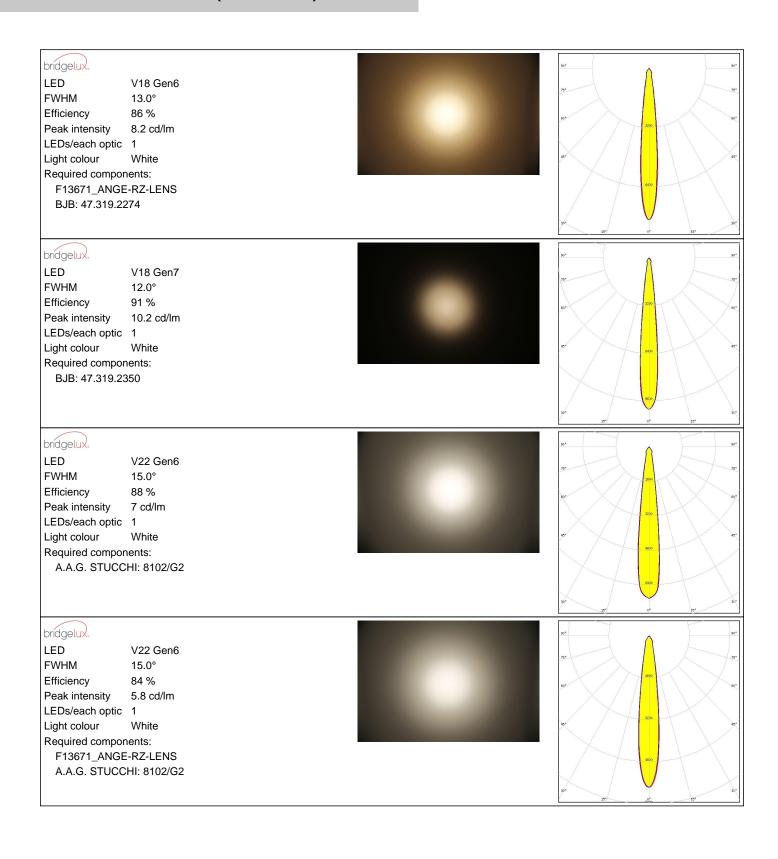














PHOTOMETRIC DATA (MEASURED):

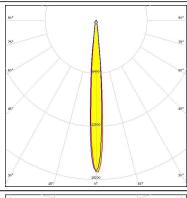
CITIZEN

LED CLL03x/CLU03x

FWHM 9.0° Efficiency 94 % Peak intensity 18.3 cd/lm

LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021





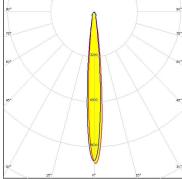
CITIZEN

LED CLL03x/CLU03x

FWHM 10.0°
Efficiency 86 %
Peak intensity 10.8 cd/lm
LEDs/each optic 1

Light colour White
Required components:
F13671_ANGE-RZ-LENS
A.A.G. STUCCHI: 8101/G2





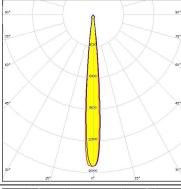
CITIZEN

LED CLL03x/CLU03x

FWHM 10.0°
Efficiency 93 %
Peak intensity 15.4 cd/lm
LEDs/each optic 1

Light colour White
Required components:
A.A.G. STUCCHI: 8101/G2





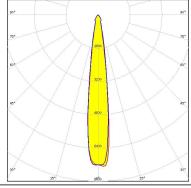
CITIZEN

LED CLL04x/CLU04x

FWHM 15.0°
Efficiency 92 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

BJB: 47.319.2030







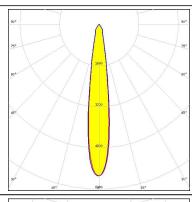
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL04x/CLU04x

FWHM 15.0° Efficiency 86 % Peak intensity 5.9 cd/lm LEDs/each optic 1 Light colour White Required components: F13671_ANGE-RZ-LENS A.A.G. STUCCHI: 8102/G2



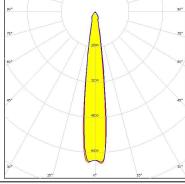


CITIZEN

LED CLL04x/CLU04x

FWHM 15.0° 92 % Efficiency Peak intensity 6.9 cd/lm LEDs/each optic 1 White Light colour Required components: A.A.G. STUCCHI: 8102/G2



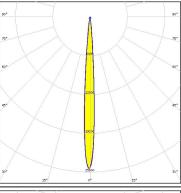


CITIZEN

LED CLU720/721

FWHM 7.0° Efficiency 94 % Peak intensity 25 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8101/G2





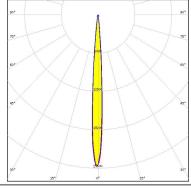
CITIZEN

CLU720/721

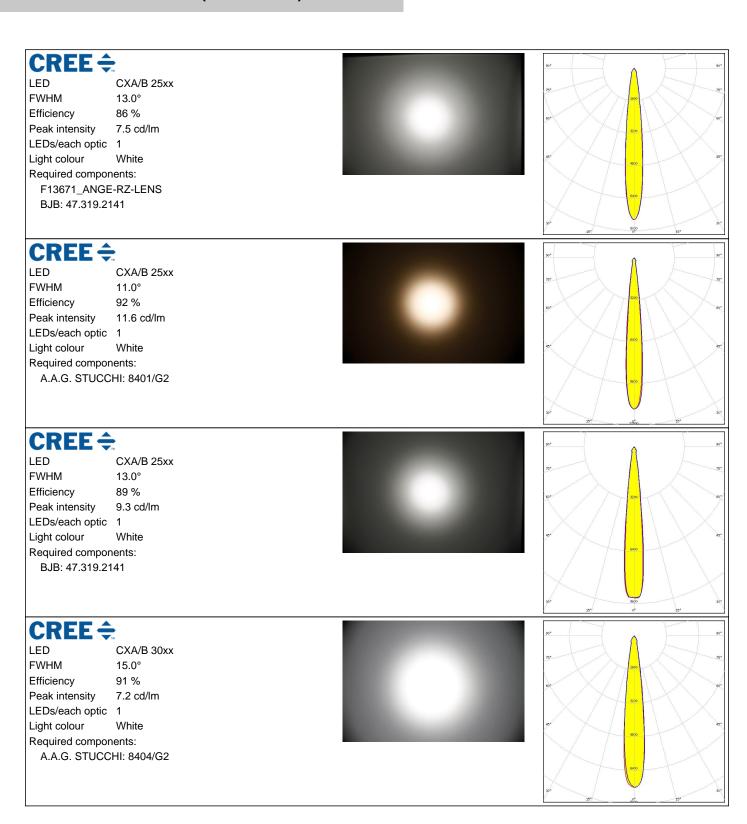
FWHM 7.0° Efficiency 94 % Peak intensity 25.3 cd/lm

LEDs/each optic 1 White Light colour Required components: BJB: 47.319.2021











PHOTOMETRIC DATA (MEASURED):

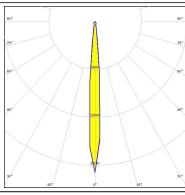


LED COB 10W/13W/17W/24W

FWHM 8.0°
Efficiency 94 %
Peak intensity 16.2 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2080





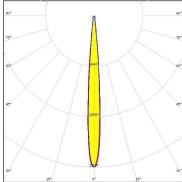
ULG Innotek

LED COB 10W/13W/17W/24W

FWHM 9.0°
Efficiency 93 %
Peak intensity 19.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Required components:
A.A.G. STUCCHI: 8600/G2



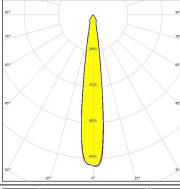


LG Innotek

LED COB 40W/60W

FWHM 15.0°
Efficiency 91 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8102/G2





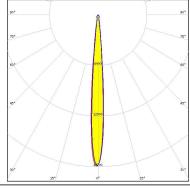
DESCRIPTION LUMILEDS

LED LUXEON CoB 1204/1205

FWHM 9.0°
Efficiency 93 %
Peak intensity 19.2 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8301/G2







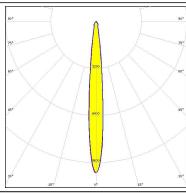
PHOTOMETRIC DATA (MEASURED):



LED LUXEON CoB 1208

FWHM 11.0°
Efficiency 86 %
Peak intensity 10 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
A.A.G. STUCCHI: 8301/G2





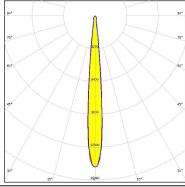
MUMILEDS

LED LUXEON CoB 1208

FWHM 10.0°
Efficiency 94 %
Peak intensity 14.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:
A.A.G. STUCCHI: 8301/G2



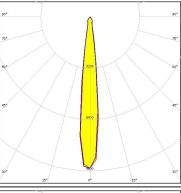


DESCRIPTION LUMILEDS

LED LUXEON CoB 1211

FWHM 13.0°
Efficiency 91 %
Peak intensity 9.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8102/G2

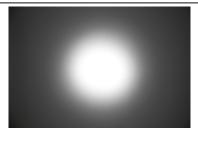


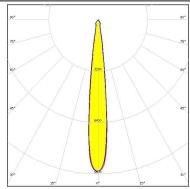


DESCRIPTION LUMILEDS

LED LUXEON CoB 1211

FWHM 13.0°
Efficiency 90 %
Peak intensity 9.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030







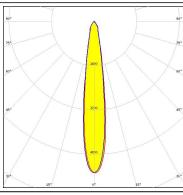
PHOTOMETRIC DATA (MEASURED):



LED LUXEON CoB 1216/1812

FWHM 16.0°
Efficiency 85 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2030



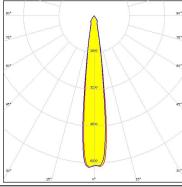


MUMILEDS

LED LUXEON CoB 1216/1812

FWHM 15.0°
Efficiency 89 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030



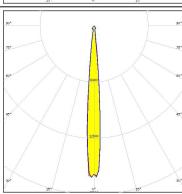


MUMILEDS

LED LUXEON K12

FWHM 9.0°
Efficiency 94 %
Peak intensity 17.3 cd/lm
LEDs/each optic 1

Light colour White Required components: BJB: 47.319.2070



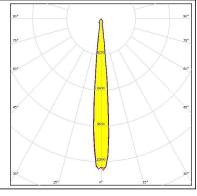
DESCRIPTION LUMILEDS

LED LUXEON K16

FWHM 11.0° Efficiency 94 % Peak intensity 13.6 cd/lm

LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2070





PHOTOMETRIC DATA (MEASURED):

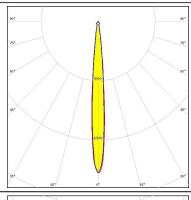


LED CxM-14 (19x19)

FWHM 9.0° Efficiency 93 % Peak intensity 16.3 cd/lm

LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2021



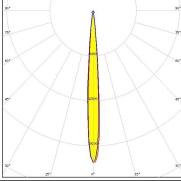


OSRAM Opto Semiconductors

LED Soleriq S13 **FWHM** 8.0° 94 % Efficiency Peak intensity 21.6 cd/lm

LEDs/each optic 1 White Light colour Required components: A.A.G. STUCCHI: 8502/G2





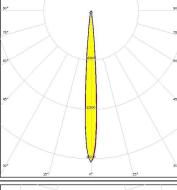
OSRAM Opto Semiconductors

LED Soleriq S13 19x19

FWHM 8.5° Efficiency 89 % Peak intensity 19.7 cd/lm LEDs/each optic 1

Light colour White Required components: BJB: 47.319.2021



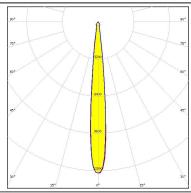


OSRAM Opto Semiconductors

LED Soleriq S19 **FWHM** 11.0° Efficiency 93 % Peak intensity 13.1 cd/lm

LEDs/each optic 1 White Light colour Required components: BJB: 47.319.2170







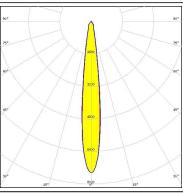
PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED Fortimo SLM L19 CoB

FWHM 13.0°
Efficiency 86 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2030



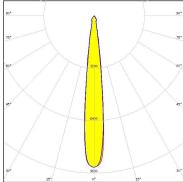


PHILIPS

LED Fortimo SLM L19 CoB

FWHM 13.0°
Efficiency 91 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030



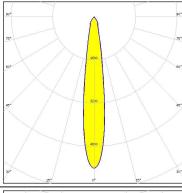


PHILIPS

LED Fortimo SLM L23 CoB

FWHM 16.0°
Efficiency 86 %
Peak intensity 5.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2030



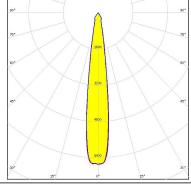


PHILIPS

LED Fortimo SLM L23 CoB

FWHM 15.0°
Efficiency 91 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030







PHOTOMETRIC DATA (MEASURED):

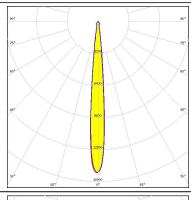
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM 10.0° Efficiency 91 % Peak intensity 15.2 cd/lm

LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2021





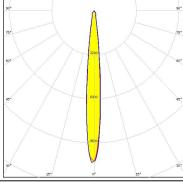
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM 11.0° 87 % Efficiency Peak intensity 11 cd/lm LEDs/each optic 1 Light colour White Required components: F13671_ANGE-RZ-LENS

BJB: 47.319.2021





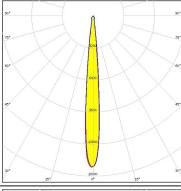
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM 10.0° Efficiency 91 % Peak intensity 15.2 cd/lm LEDs/each optic 1 Light colour White

Required components: A.A.G. STUCCHI: 8101/G2



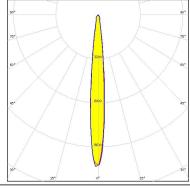


SAMSUNG

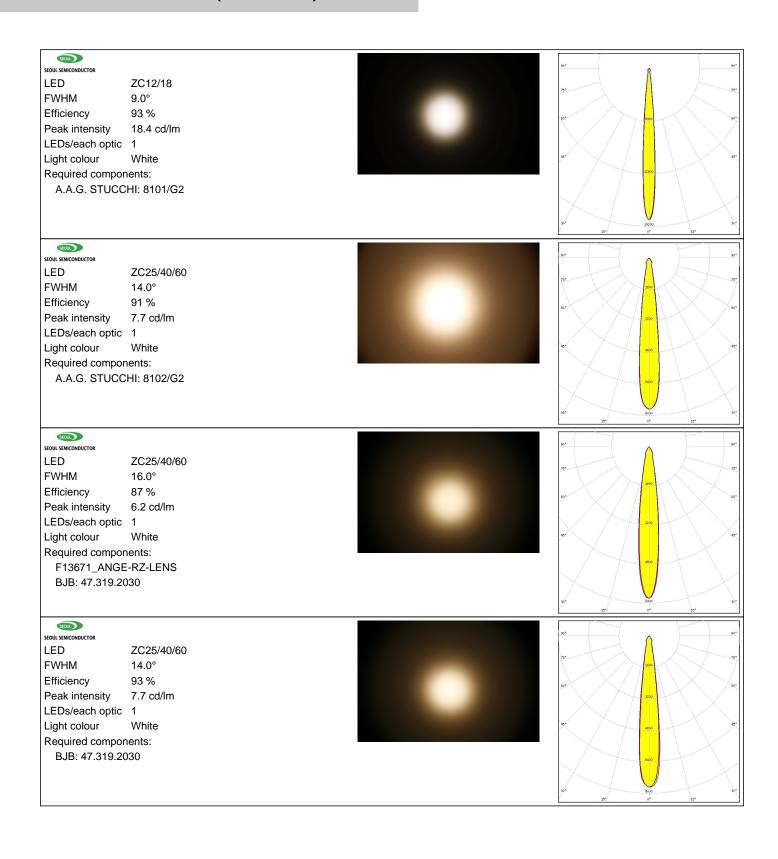
LED LC016D / LC019D / LC026D / LC033D

FWHM 11.0° Efficiency 87 % 11 cd/lm Peak intensity LEDs/each optic 1 White Light colour Required components: F13671_ANGE-RZ-LENS A.A.G. STUCCHI: 8101/G2











PHOTOMETRIC DATA (MEASURED):

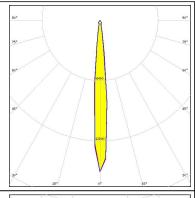
SHARP

LED Mega Zenigata (GW6DME)

FWHM 10.0° Efficiency 94 % Peak intensity 16.1 cd/lm

LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2011





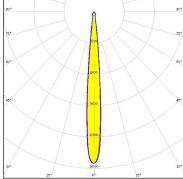
SHARP

LED Mega Zenigata (GW6DME)

FWHM 10.0°
Efficiency 94 %
Peak intensity 15.5 cd/lm
LEDs/each optic 1
Light colour White

Required components:
A.A.G. STUCCHI: 8301/G2





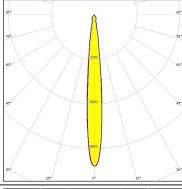
TRIDONIC

LED SLE G7 LES17 H

FWHM 11.0° Efficiency 90 % Peak intensity 10.9 cd/lm

LEDs/each optic 1 Light colour White Required components:



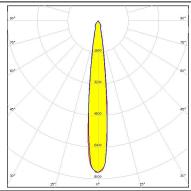


TRIDONIC

LED SLE G7 LES21 H

FWHM 14.0°
Efficiency 90 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:







PHOTOMETRIC DATA (MEASURED):

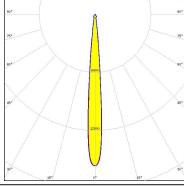
XICATO

LED XOB 14.5 mm

FWHM 9.0° Efficiency 92 % Peak intensity 16.7 cd/lm

LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2021





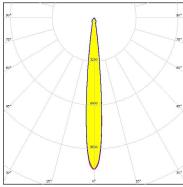
XICATO

LED XTM - 19mm LES

FWHM 12.0°
Efficiency 91 %
Peak intensity 11 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C15743_XTM-ADAPTER-50-B





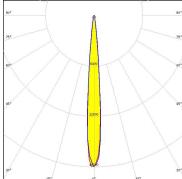
PHOTOMETRIC DATA (SIMULATED):

CITIZEN

LED CLL03x/CLU03x

FWHM 9.3° Efficiency 94 % Peak intensity 19.2 cd/lm

LEDs/each optic Light colour White Required components: BJB: 47.319.2021

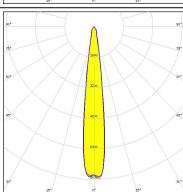


CITIZEN

LED CLL04x/CLU04x

FWHM 14.0° 93 % Efficiency Peak intensity 8 cd/lm LEDs/each optic 1 White Light colour Required components:

BJB: 47.319.2030

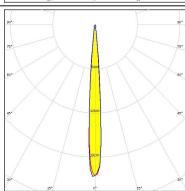


CITIZEN

LED CLU730/731

FWHM 8.5° Efficiency 92 % Peak intensity 22.2 cd/lm LEDs/each optic

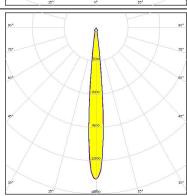
Light colour White Required components: BJB: 47.319.2030



OSRAM Opto Semiconductors

LED Soleriq S15 **FWHM** 10.0° Efficiency 90 % Peak intensity 14.6 cd/lm LEDs/each optic

White Light colour Required components: BJB: 47.319.2021





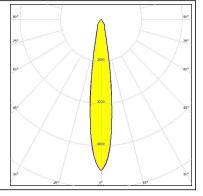
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LC040D / LC060D / LC080D

FWHM 17.0° Efficiency 87 % Peak intensity 5.8 cd/lm LEDs/each optic 1

Light colour White Required components:
BJB: 47.319.2030





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

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