

ANGELA-M-B

~30° medium beam compatible with BJB connectors

TECHNICAL SPECIFICATIONS:

Dimensions Ø 119.5 mm

Height 74.5 mm

Fastening socket
Colour metal

Box size 398 x 298 x 265 mm

Box weight 9.1 kg

Quantity in Box 180 pcs

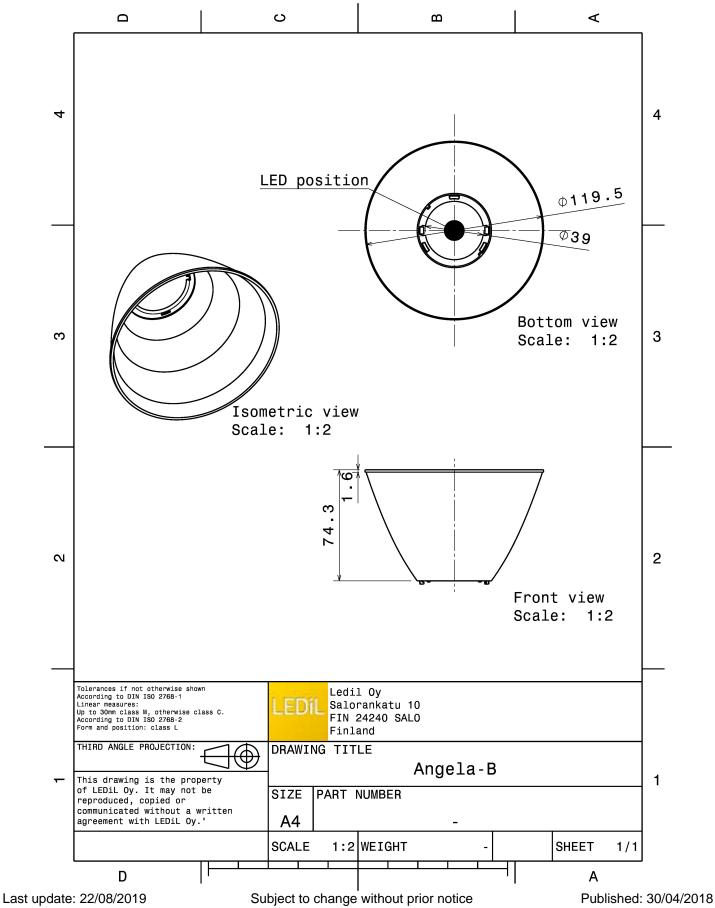
ROHS compliant yes 10



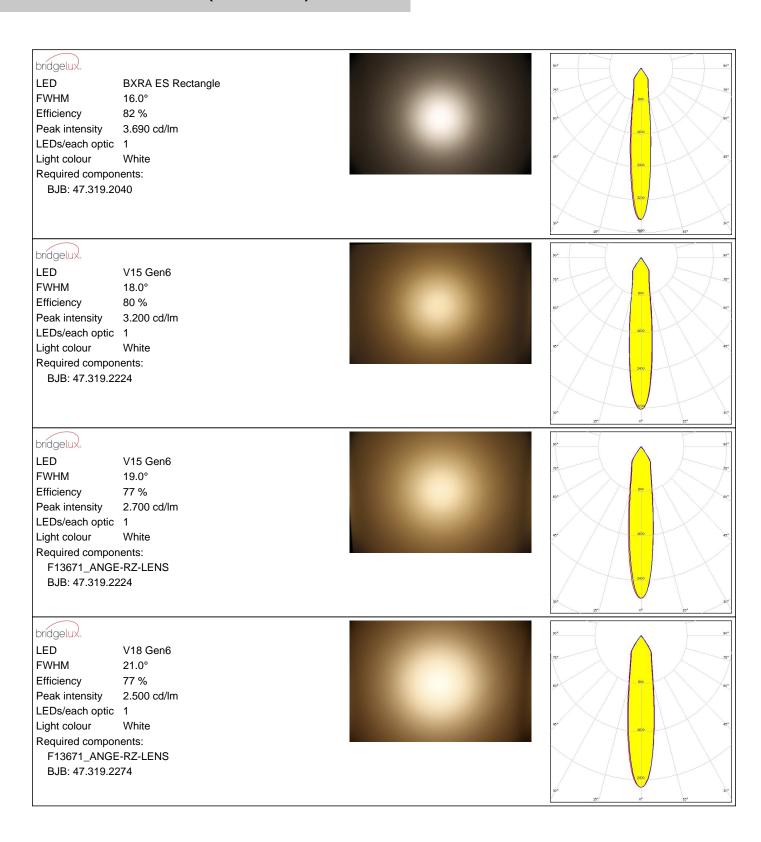
MATERIAL SPECIFICATIONS:

ComponentTypeMaterialColourCoatingANGELA-M-BReflectorPCmetalHMDS

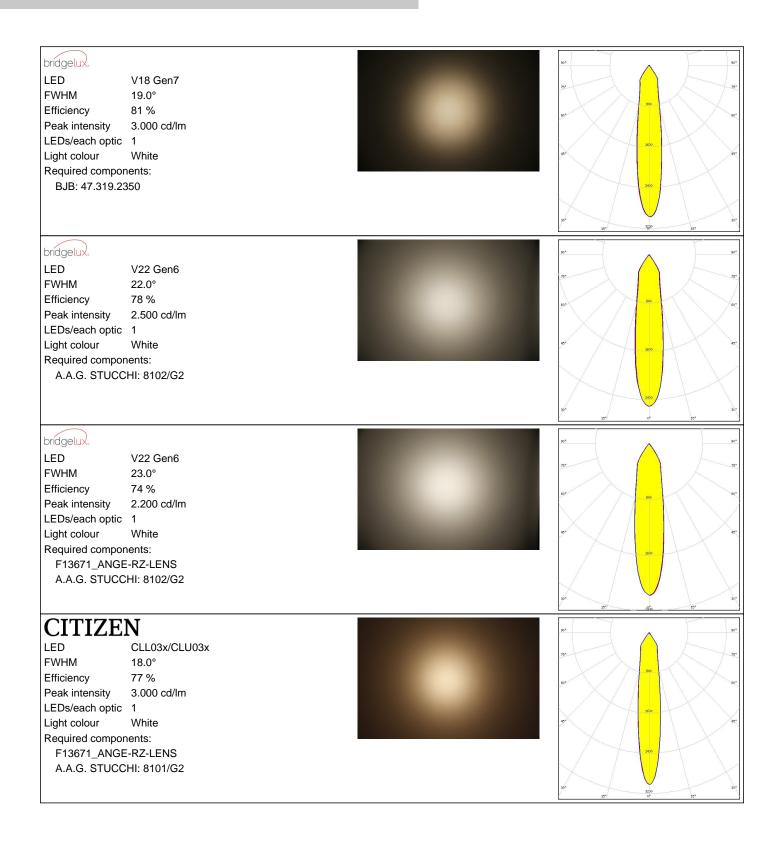














PHOTOMETRIC DATA (MEASURED):

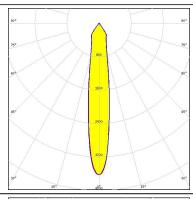
CITIZEN

LED CLL03x/CLU03x

FWHM 16.0°
Efficiency 83 %
Peak intensity 3.630 cd/lm
LEDs/each optic 1

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





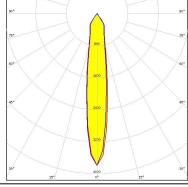
CITIZEN

LED CLL03x/CLU03x

FWHM 16.0° Efficiency 83 % Peak intensity 3.800 cd/lm

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





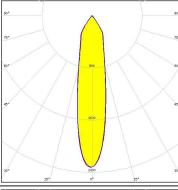
CITIZEN

LED CLL04x/CLU04x

FWHM 22.0° Efficiency 76 % Peak intensity 2.330 cd/lm

LEDs/each optic 1 Light colour White Required components: F13671_ANGE-RZ-LENS A.A.G. STUCCHI: 8102/G2



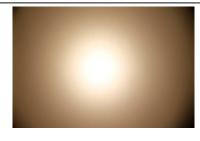


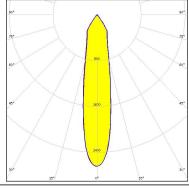
CITIZEN

LED CLL04x/CLU04x

FWHM 21.0° Efficiency 81 % Peak intensity 2.650 cd/lm

LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8102/G2







PHOTOMETRIC DATA (MEASURED):

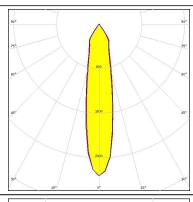
CITIZEN

LED CLL04x/CLU04x

FWHM 21.0° Efficiency 81 % Peak intensity 2.730 cd/lm

LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2030





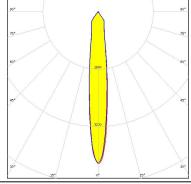
CITIZEN

LED CLU720/721

FWHM 14.0° Efficiency 82 % Peak intensity 4.200 cd/lm

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





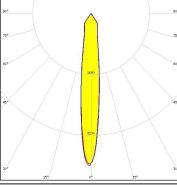
CITIZEN

LED CLU720/721

FWHM 14.0° Efficiency 83 % Peak intensity 4.000 cd/lm

LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8101/G2





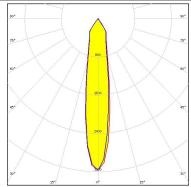
CREE 🕏

LED CXA/B 25xx

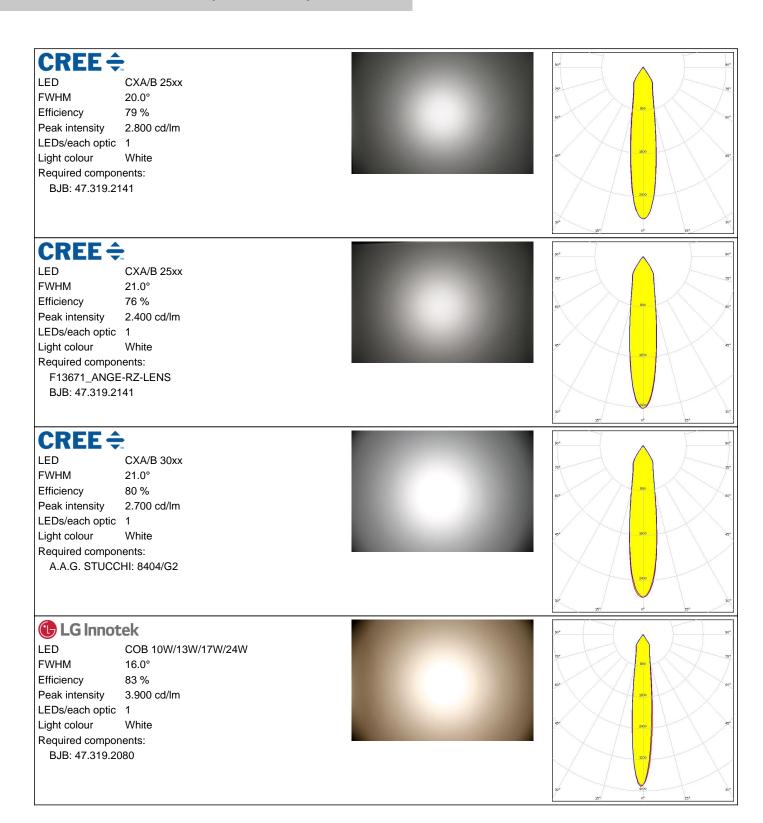
FWHM 18.0° Efficiency 82 % Peak intensity 3.180 cd/lm

LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8401/G2











PHOTOMETRIC DATA (MEASURED):

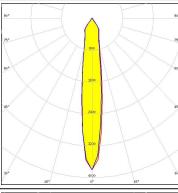


LED COB 10W/13W/17W/24W

FWHM 16.0°
Efficiency 82 %
Peak intensity 3.800 cd/lm
LEDs/each optic 1

Light colour White Required components: A.A.G. STUCCHI: 8600/G2





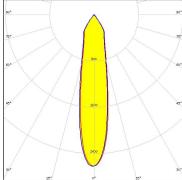
LG Innotek

LED COB 40W/60W

FWHM 22.0°
Efficiency 81 %
Peak intensity 2.630 cd/lm
LEDs/each optic 1

Light colour White
Required components:
A.A.G. STUCCHI: 8102/G2





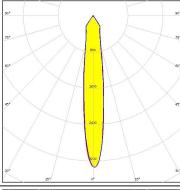
MUMILEDS

LED LUXEON CoB 1204/1205

FWHM 16.0°
Efficiency 82 %
Peak intensity 3.840 cd/lm
LEDs/each optic 1

Light colour White
Required components:
A.A.G. STUCCHI: 8301/G2





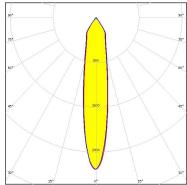
DESCRIPTION LUMILEDS

LED LUXEON CoB 1208

FWHM 19.0°
Efficiency 77 %
Peak intensity 2.700 cd/lm
LEDs/each optic 1

Light colour White Required components: F13671_ANGE-RZ-LENS A.A.G. STUCCHI: 8301/G2







PHOTOMETRIC DATA (MEASURED):

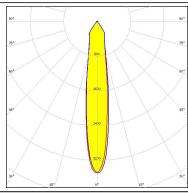


LED LUXEON CoB 1208

FWHM 17.0°
Efficiency 83 %
Peak intensity 3.500 cd/lm
LEDs/each optic 1

Light colour White
Required components:
A.A.G. STUCCHI: 8301/G2



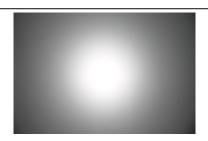


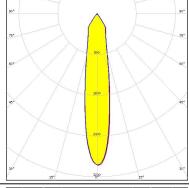
MUMILEDS

LED LUXEON CoB 1211

FWHM 19.0° Efficiency 80 % Peak intensity 3.000 cd/lm

LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2030





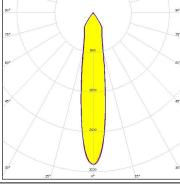
MUMILEDS

LED LUXEON CoB 1211

FWHM 19.0° Efficiency 81 % Peak intensity 3.060 cd/lm

LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8102/G2





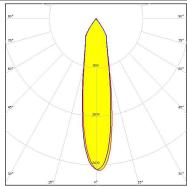
DESCRIPTION LUMILEDS

LED LUXEON CoB 1216/1812

FWHM 22.0° Efficiency 79 % Peak intensity 2.490 cd/lm

LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030







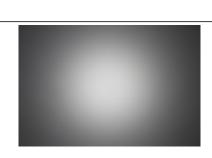
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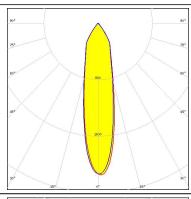


LED LUXEON CoB 1216/1812

FWHM 24.0°
Efficiency 75 %
Peak intensity 2.150 cd/lm
LEDs/each optic 1

Light colour White Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2030





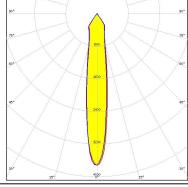
MUMILEDS

LED LUXEON K12

FWHM 17.0° Efficiency 87 % Peak intensity 3.700 cd/lm

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





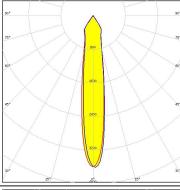
MUMILEDS

LED LUXEON K16

FWHM 17.0° Efficiency 87 % Peak intensity 3.700 cd/lm

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





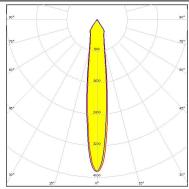
LUMINUS

LED CxM-14 (19x19)

FWHM 16.0° Efficiency 82 % Peak intensity 3.900 cd/lm

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







PHOTOMETRIC DATA (MEASURED):

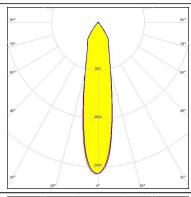


FWHM 22.0°

Efficiency 81 % Peak intensity 2.500 cd/lm LEDs/each optic 1

Light colour White Required components: BJB: 47.319.2030



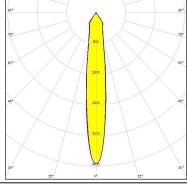


OSRAM Opto Semiconductors

LED Soleriq S13 **FWHM** 15.0° 83 % Efficiency Peak intensity 4.000 cd/lm LEDs/each optic 1

White Light colour Required components: A.A.G. STUCCHI: 8502/G2



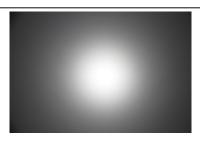


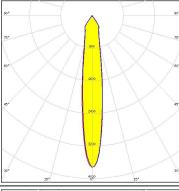
OSRAM Opto Semiconductors

LED Soleriq S13 19x19

FWHM 16.0° Efficiency 80 % Peak intensity 3.730 cd/lm

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



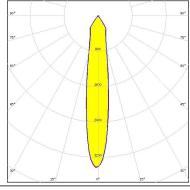


OSRAM Opto Semiconductors

LED Soleriq S19 **FWHM** 17.0° Efficiency 83 % Peak intensity 3.400 cd/lm

LEDs/each optic 1 White Light colour Required components: A.A.G. STUCCHI: 8503/G2







PHOTOMETRIC DATA (MEASURED):

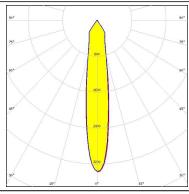
OSRAM

LED Soleriq S19
FWHM 18.0°
Efficiency 83 %
Peak intensity 3.380 cd/lm
LEDs/each optic 1

Light colour White Required components:

BJB: 47.319.2170





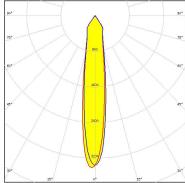
SAMSUNG

LED COB D Series LES 14.5 mm

FWHM 17.0° Efficiency 81 % Peak intensity 3.400 cd/lm

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





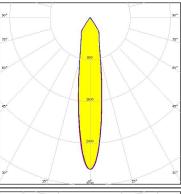
SAMSUNG

LED COB D Series LES 14.5 mm

FWHM 18.0° Efficiency 78 % Peak intensity 2.900 cd/lm

LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2021





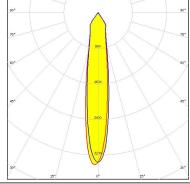
SAMSUNG

LED COB D Series LES 14.5 mm

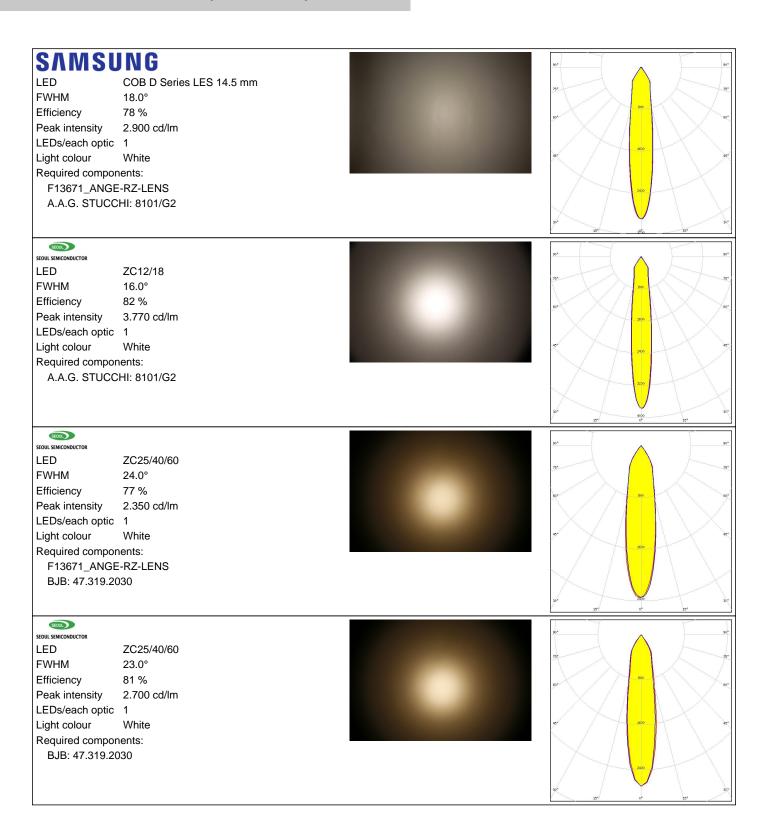
FWHM 17.0°
Efficiency 81 %
Peak intensity 3.400 cd/lm
LEDs/each optic 1

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











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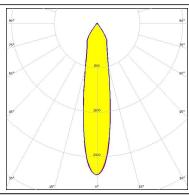


SEOUL SEMICONDUCT

LED ZC25/40/60
FWHM 21.0°
Efficiency 81 %
Peak intensity 2.720 cd/lm
LEDs/each optic 1

Light colour White
Required components:
A.A.G. STUCCHI: 8102/G2





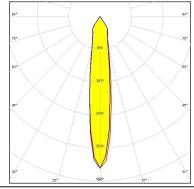
SHARP

LED Mega Zenigata (GW6DME)

FWHM 17.0° Efficiency 84 % Peak intensity 3.700 cd/lm

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





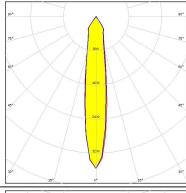
SHARP

LED Mega Zenigata (GW6DME)

FWHM 17.0°
Efficiency 83 %
Peak intensity 3.560 cd/lm
LEDs/each optic 1

Light colour White
Required components:
A.A.G. STUCCHI: 8301/G2





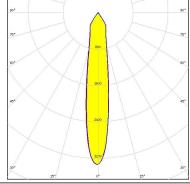
TRIDONIC

LED SLE G7 LES17 H

FWHM 17.0° Efficiency 80 % Peak intensity 3.300 cd/lm

LEDs/each optic 1
Light colour White
Required components:







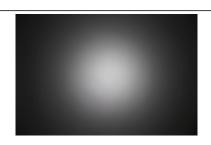
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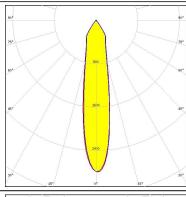
TRIDONIC

LED SLE G7 LES21 H

FWHM 20.0° Efficiency 80 % Peak intensity 2.800 cd/lm

LEDs/each optic 1
Light colour White
Required components:





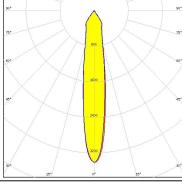
XICATO

LED XOB 14.5 mm

FWHM 17.0° Efficiency 82 % Peak intensity 3.418 cd/lm

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





XICATO

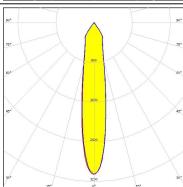
LED XTM - 19mm LES

FWHM 19.0° Efficiency 81 % Peak intensity 3.100 cd/lm

LEDs/each optic 1 Light colour White Required components:

C15743_XTM-ADAPTER-50-B







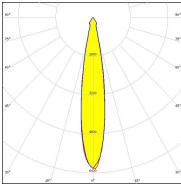
PHOTOMETRIC DATA (SIMULATED):

CITIZEN

LED CLL03x/CLU03x

FWHM 18.0° Efficiency 94 % Peak intensity 6.300 cd/lm

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

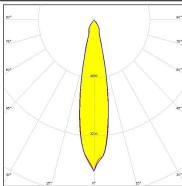


CITIZEN

LED CLL04x/CLU04x

FWHM 22.0° 88 % Efficiency Peak intensity 4.200 cd/lm

LEDs/each optic 1 White Light colour Required components: BJB: 47.319.2030

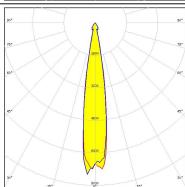


CITIZEN

LED CLU730/731

FWHM 16.0° Efficiency 91 % Peak intensity cd/lm

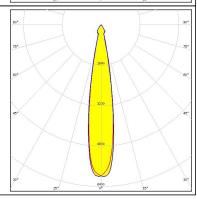
LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2030



OSRAM Opto Semiconductors

LED Soleriq S15 **FWHM** 18.0° Efficiency 90 % 6.012 cd/lm Peak intensity

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





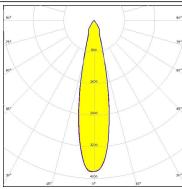
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED COB D Series LES 22 mm

FWHM 23.0° Efficiency 87 % Peak intensity 3.840 cd/lm

LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030

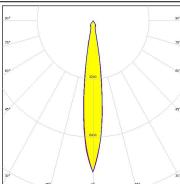


TRIDONIC

LED SLE G6 LES15 H D50

FWHM 15.0° Efficiency 89 % Peak intensity 8.300 cd/lm

LEDs/each optic 1
Light colour White
Required components:

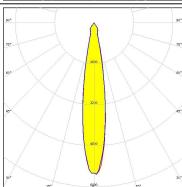


TRIDONIC

LED SLE G6 LES17 H

FWHM 17.0° Efficiency 88 % Peak intensity 5.900 cd/lm

LEDs/each optic 1 Light colour White Required components:

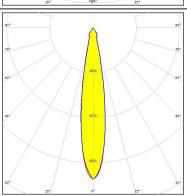


TRIDONIC

LED SLE G6 LES19 H

FWHM 18.0° Efficiency 88 % Peak intensity 5.390 cd/lm

LEDs/each optic 1
Light colour White
Required components:





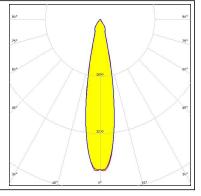
PHOTOMETRIC DATA (SIMULATED):

TRIDONIC

LED SLE G6 LES23 H

FWHM 21.0° Efficiency 88 % Peak intensity 4.270 cd/lm

LEDs/each optic 1 Light colour White Required components:





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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