

ANGELINA-M-B

~30° medium beam compatible with BJB connectors

TECHNICAL SPECIFICATIONS:

Dimensions Ø 82 mm Height 31 mm

Fastening socket
Colour metal

Box size 480 x 280 x 300 mm

Box weight 10 kg

Quantity in Box 2035 pcs

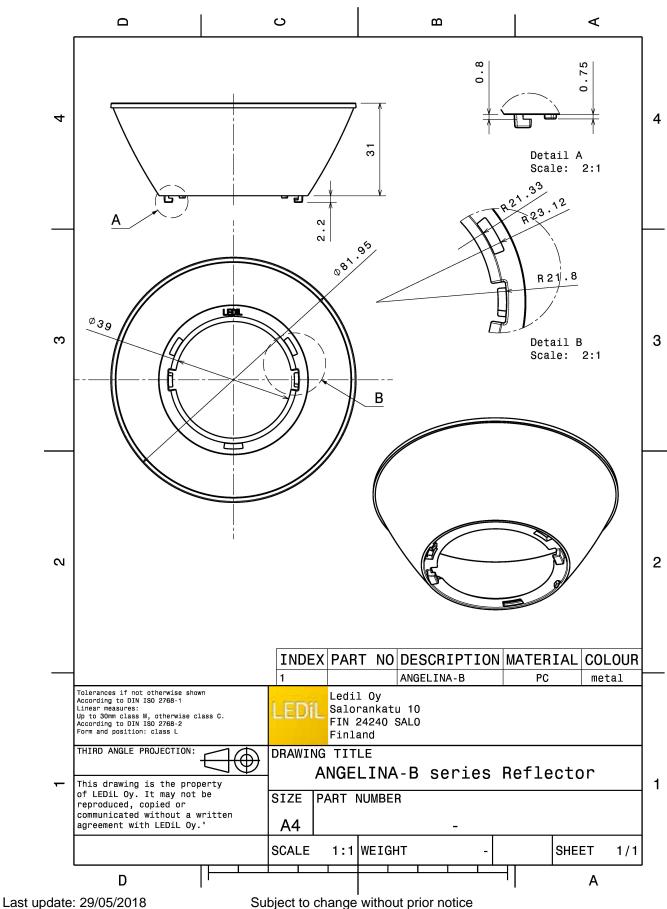
ROHS compliant yes 10



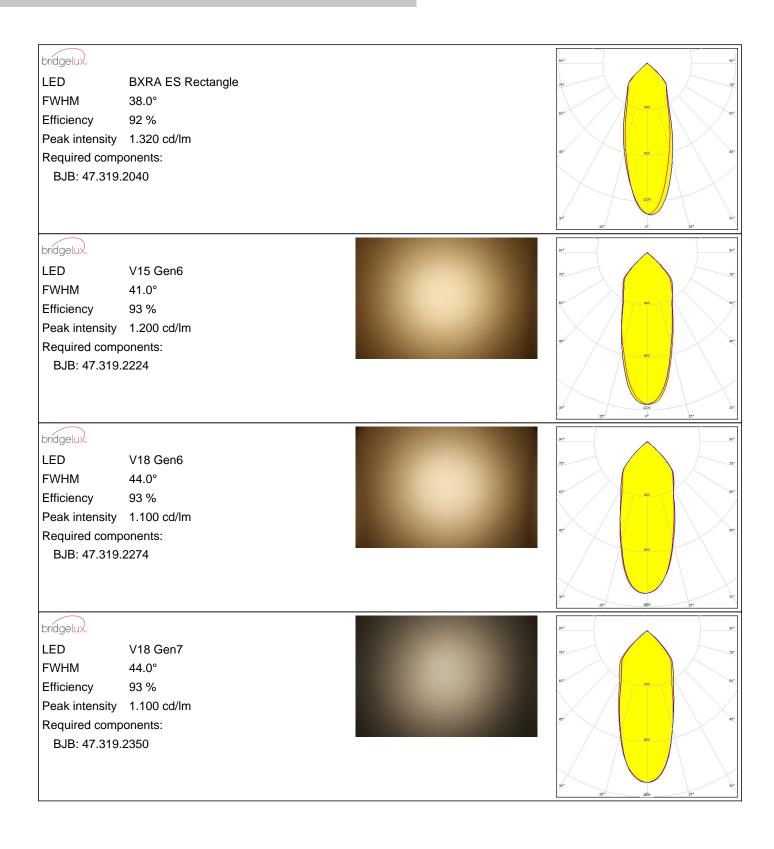
MATERIAL SPECIFICATIONS:

ComponentTypeMaterialColourCoatingANGELINA-M-BReflectorPCmetalHMDS





PHOTOMETRIC DATA (MEASURED):



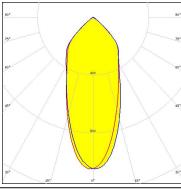
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL03x/CLU03x

FWHM 43.0°
Efficiency 89 %
Peak intensity 1.050 cd/lm
Required components:
F13671_ANGE-RZ-LENS
A.A.G. STUCCHI: 8101/G2



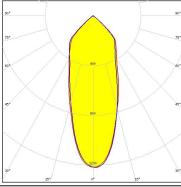


CITIZEN

LED CLL03x/CLU03x

FWHM 39.0°
Efficiency 94 %
Peak intensity 1.220 cd/lm
Required components:
A.A.G. STUCCHI: 8101/G2



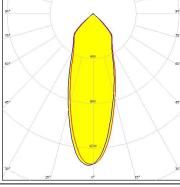


CITIZEN

LED CLL03x/CLU03x

FWHM 37.0°
Efficiency 92 %
Peak intensity 1.400 cd/lm
Required components:



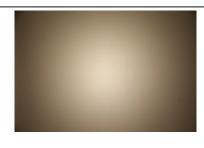


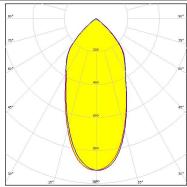
CITIZEN

BJB: 47.319.2021

LED CLL04x/CLU04x

FWHM 50.0°
Efficiency 87 %
Peak intensity 0.920 cd/lm
Required components:
F13671_ANGE-RZ-LENS
A.A.G. STUCCHI: 8102/G2





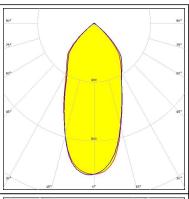
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL04x/CLU04x

FWHM 39.0°
Efficiency 94 %
Peak intensity 1.200 cd/lm
Required components:
A.A.G. STUCCHI: 8102/G2



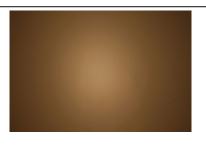


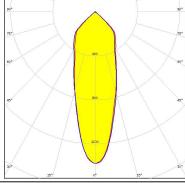
CITIZEN

LED CLU720/721

FWHM 34.0°
Efficiency 94 %
Peak intensity 1.400 cd/lm
Required components:

BJB: 47.319.2021



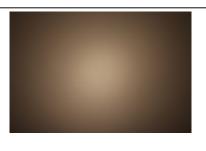


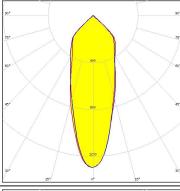
CITIZEN

LED CLU720/721

FWHM 35.0°
Efficiency 94 %
Peak intensity 1.300 cd/lm
Required components:

A.A.G. STUCCHI: 8101/G2





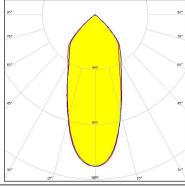
CREE 💠

LED CXA/B 25xx

FWHM 44.0°
Efficiency 92 %
Peak intensity 1.100 cd/lm
Required components:

BJB: 47.319.2141





PHOTOMETRIC DATA (MEASURED):

CREE 💠

LED CXA/B 25xx

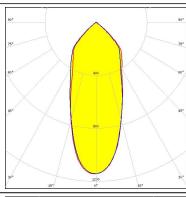
FWHM 42.0° Efficiency 93 %

Peak intensity 1.140 cd/lm

Required components:

A.A.G. STUCCHI: 8401/G2





CREE 🕏

LED CXA/B 25xx

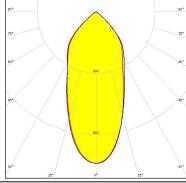
FWHM 46.0° Efficiency 89 % Peak intensity 0.990 cd/lm

Required components:

F13671_ANGE-RZ-LENS

BJB: 47.319.2141





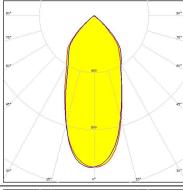
CREE \$

LED CXA/B 30xx

FWHM 45.0°
Efficiency 92 %
Peak intensity 1.070 cd/lm
Required components:

A.A.G. STUCCHI: 8404/G2

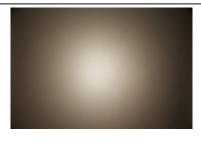


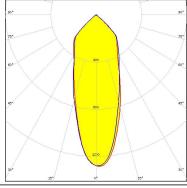


ULG Innotek

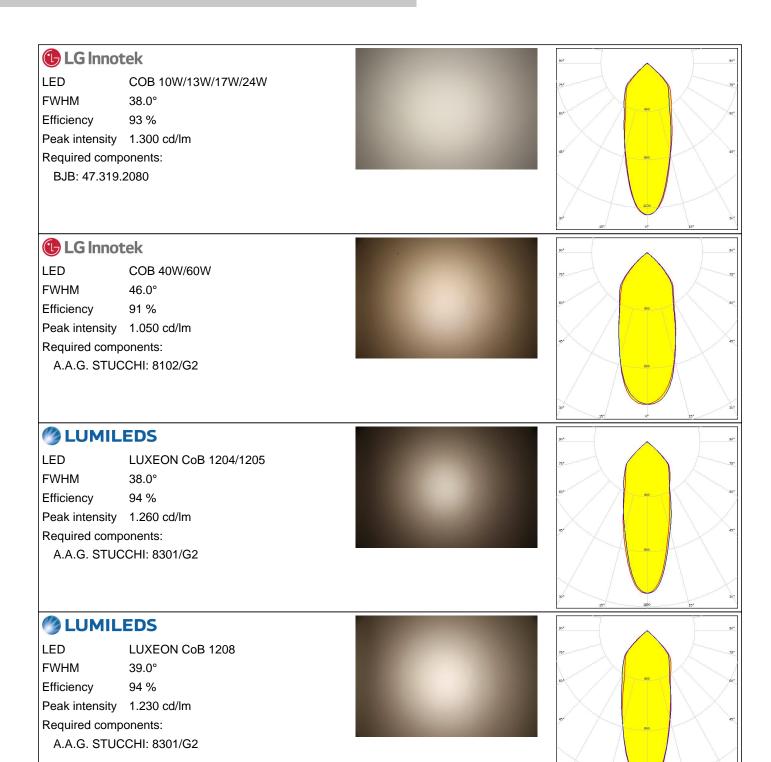
LED COB 10W/13W/17W/24W

FWHM 37.0°
Efficiency 94 %
Peak intensity 1.280 cd/lm
Required components:
A.A.G. STUCCHI: 8600/G2





PHOTOMETRIC DATA (MEASURED):

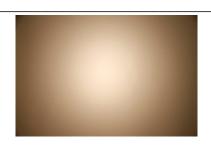


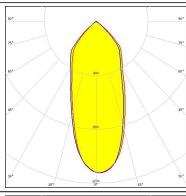
PHOTOMETRIC DATA (MEASURED):

MUMILEDS

LED LUXEON CoB 1211

FWHM 43.0°
Efficiency 92 %
Peak intensity 1.130 cd/lm
Required components:
A.A.G. STUCCHI: 8102/G2



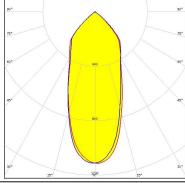


MUMILEDS

LED LUXEON CoB 1211

FWHM 44.0°
Efficiency 92 %
Peak intensity 1.100 cd/lm
Required components:
BJB: 47.319.2030



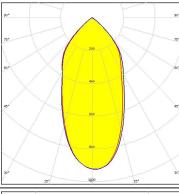


DESCRIPTION LUMILEDS

LED LUXEON CoB 1216/1812

FWHM 50.0°
Efficiency 88 %
Peak intensity 0.930 cd/lm
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2030

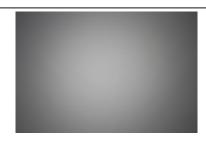


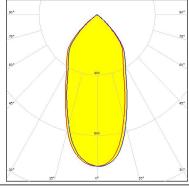


DESCRIPTION LUMILEDS

LED LUXEON CoB 1216/1812

FWHM 49.0° Efficiency 91 % Peak intensity 1.000 cd/lm Required components: BJB: 47.319.2030





PHOTOMETRIC DATA (MEASURED):

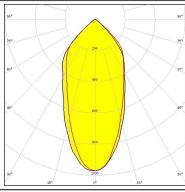


LED LUXEON K12

FWHM 48.0° Efficiency 89 % Peak intensity 1.000 cd/lm Required components: F13671_ANGE-RZ-LENS

BJB: 47.319.2070





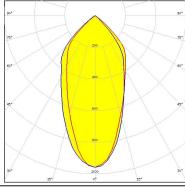
M LUMILEDS

LED **LUXEON K16**

FWHM 50.0° 89 % Efficiency Peak intensity 1.000 cd/lm Required components: F13671_ANGE-RZ-LENS

BJB: 47.319.2070



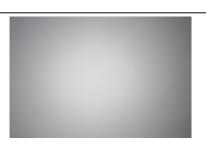


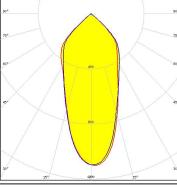
MUMILEDS

LED **LUXEON K16**

FWHM 44.0° Efficiency 94 % Peak intensity 1.100 cd/lm Required components:

BJB: 47.319.2070

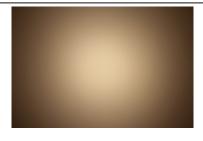


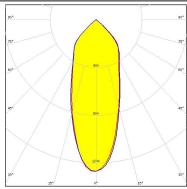


ELUMINUS

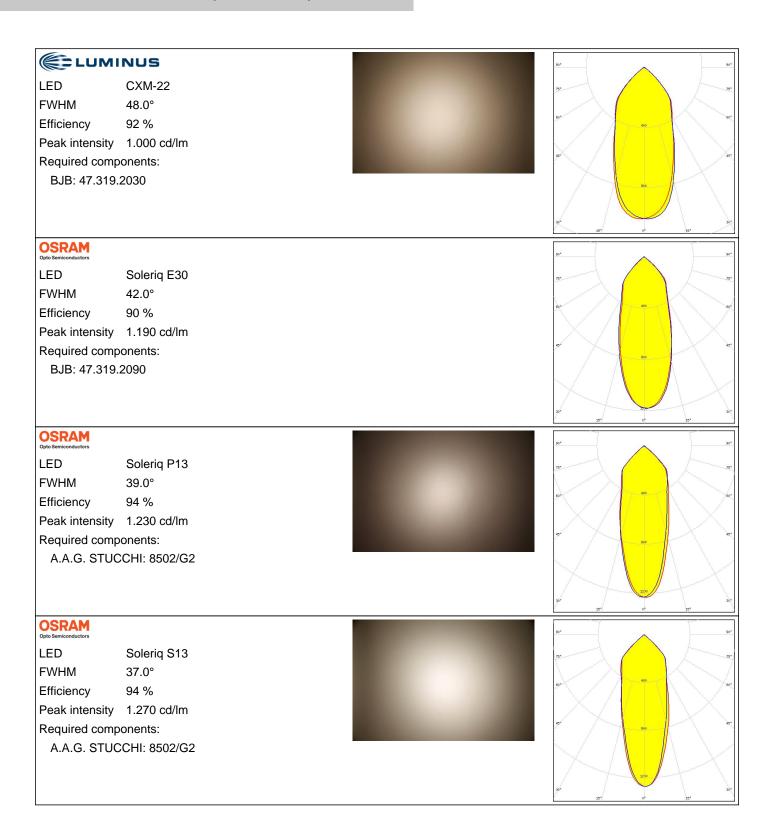
LED CXM-14 40.0° **FWHM** 94 % Efficiency Peak intensity 1.300 cd/lm Required components:

BJB: 47.319.2021





PHOTOMETRIC DATA (MEASURED):



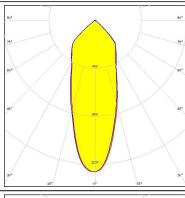
PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED Soleriq S13 Gen2

FWHM 37.0°
Efficiency 93 %
Peak intensity 0.920 cd/lm
Required components:
BJB: 47.319.2021





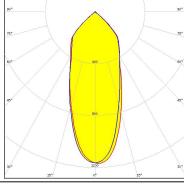
OSRAM Opto Semiconductors

LED Soleriq S19
FWHM 41.0°
Efficiency 94 %

Peak intensity 1.170 cd/lm Required components:

BJB: 47.319.2170





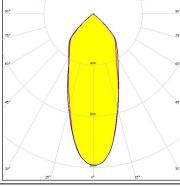
OSRAM Opto Semiconductors

LED Soleriq S19

FWHM 41.0°
Efficiency 93 %
Peak intensity 1.200 cd/lm
Required components:

A.A.G. STUCCHI: 8503/G2



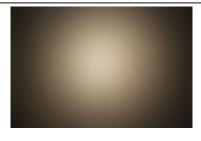


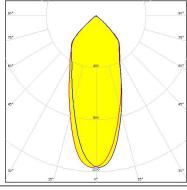
SAMSUNG

LED COB D Series LES 14.5 mm

FWHM 41.0°
Efficiency 93 %
Peak intensity 1.170 cd/lm
Required components:

BJB: 47.319.2021





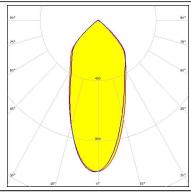
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED COB D Series LES 14.5 mm

FWHM 45.0°
Efficiency 89 %
Peak intensity 1.000 cd/lm
Required components:
F13671_ANGE-RZ-LENS
A.A.G. STUCCHI: 8101/G2





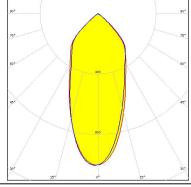
SAMSUNG

LED COB D Series LES 14.5 mm

FWHM 45.0°
Efficiency 89 %
Peak intensity 1.000 cd/lm
Required components:
F13671_ANGE-RZ-LENS

BJB: 47.319.2021



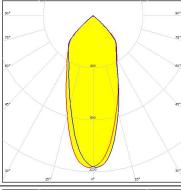


SAMSUNG

LED COB D Series LES 14.5 mm

FWHM 41.0°
Efficiency 93 %
Peak intensity 1.170 cd/lm
Required components:
A.A.G. STUCCHI: 8101/G2

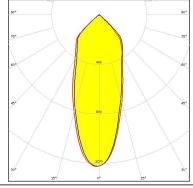






LED ZC12/18
FWHM 39.0°
Efficiency 93 %
Peak intensity 1.230 cd/lm
Required components:

A.A.G. STUCCHI: 8101/G2



PHOTOMETRIC DATA (MEASURED):



LED ZC25/40/60

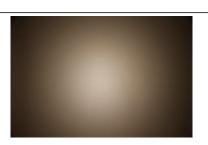
FWHM 47.0° Efficiency

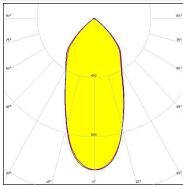
92 %

Peak intensity 1.030 cd/lm

Required components:

A.A.G. STUCCHI: 8102/G2



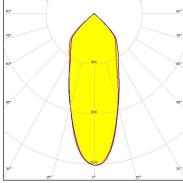


LED Mega Zenigata (GW6DME)

FWHM 40.0° 94 % Efficiency Peak intensity 1.210 cd/lm Required components:

A.A.G. STUCCHI: 8301/G2





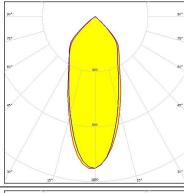
SHARP

LED Tiger Zenigata (GWTGCBG4FD)

FWHM 41.0° Efficiency 90 % Peak intensity 1.100 cd/lm Required components: F13671_ANGE-RZ-LENS

BJB: 47.319.2051



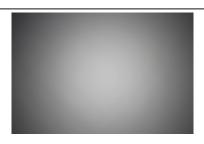


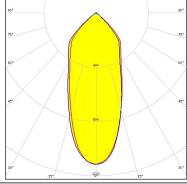
XICATO

LED XTM - 19mm LES

FWHM 43.0° 93 % Efficiency Peak intensity 1.100 cd/lm Required components:

C15743_XTM-ADAPTER-50-B





PHOTOMETRIC DATA (SIMULATED):

CITIZEN

LED CLL04x/CLU04x

FWHM 37.0° Efficiency 95 % Peak intensity 1.600 cd/lm

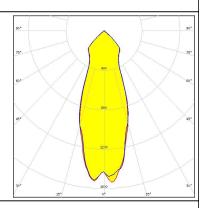
Required components: BJB: 47.319.2030

CITIZEN

LED CLU730/731

FWHM 37.0°
Efficiency 91 %
Peak intensity 1.570 cd/lm

Required components: BJB: 47.319.2030



UMILEDS

LED LUXEON K12

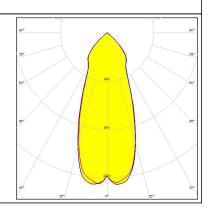
FWHM 29.0°
Efficiency %
Peak intensity cd/lm
Required components:
BJB: 47.319.2070

SAMSUNG

LED COB D Series LES 22 mm

FWHM 41.0°
Efficiency 90 %
Peak intensity 1.270 cd/lm

Required components: BJB: 47.319.2030



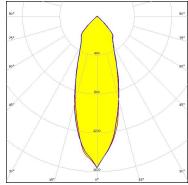
PHOTOMETRIC DATA (SIMULATED):

TRIDONIC

LED SLE G6 LES15 H D50

FWHM 35.0° Efficiency 91 % Peak intensity 1.560 cd/lm

Required components:

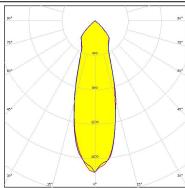


TRIDONIC

LED SLE G6 LES17 H

FWHM 32.0°
Efficiency 91 %
Peak intensity 1.800 cd/lm

Required components:

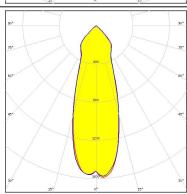


TRIDONIC

LED SLE G6 LES19 H

FWHM 34.0° Efficiency 91 % Peak intensity 1.620 cd/lm

Required components:

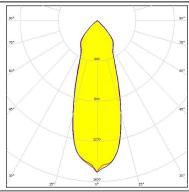


TRIDONIC

LED SLE G6 LES23 H

FWHM 36.0°
Efficiency 90 %
Peak intensity 1.510 cd/lm

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 Oy

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