

ANGELA-S-B

~10° spot 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 8.6 kg

Quantity in Box 180 pcs

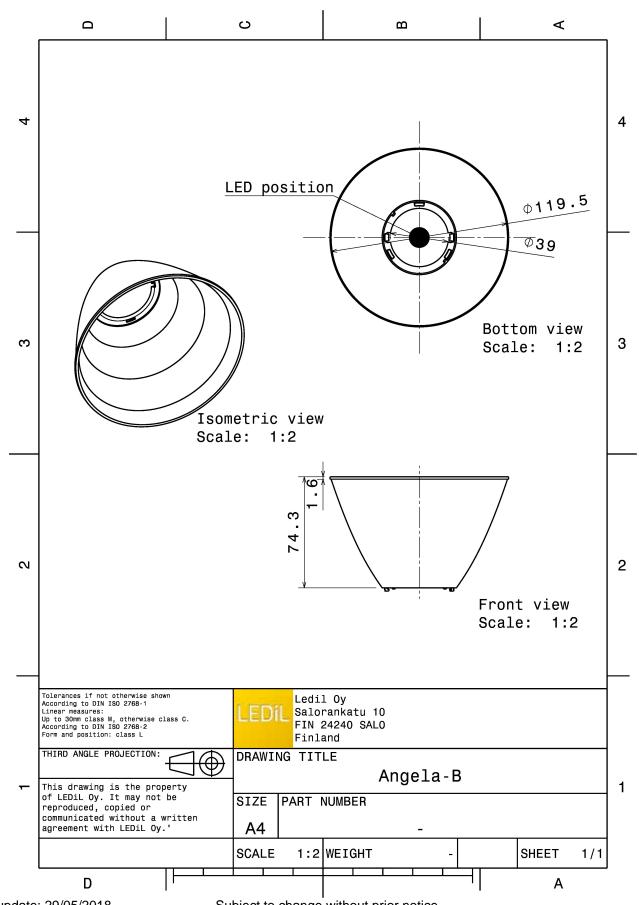
ROHS compliant yes 1



MATERIAL SPECIFICATIONS:

ComponentTypeMaterialColourCoatingANGELA-S-BReflectorPCmetalHMDS





Last update: 29/05/2018 Subject to change without prior notice LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

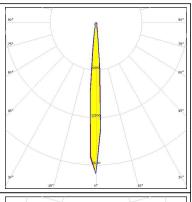
PHOTOMETRIC DATA (MEASURED):

bridgelux.

LED BXRA ES Rectangle

FWHM 8.0°
Efficiency 94 %
Peak intensity 20.740 cd/lm
Required components:
BJB: 47.319.2040

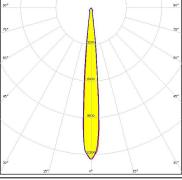




bridgelux.

LED V15 Gen6
FWHM 11.0°
Efficiency 89 %
Peak intensity 13.000 cd/lm

Required components: BJB: 47.319.2224



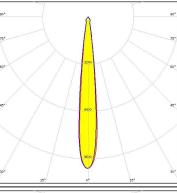
bridgelux.

LED V18 Gen6 FWHM 12.0° Efficiency 89 %

Peak intensity 10.000 cd/lm Required components:

BJB: 47.319.2274



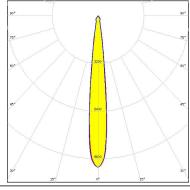


bridgelux.

LED V18 Gen7 FWHM 12.0° Efficiency 91 %

Peak intensity 10.200 cd/lm





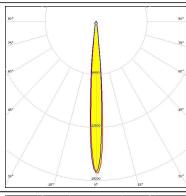
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL03x/CLU03x

FWHM 9.0° Efficiency 94 % Peak intensity 18.300 cd/lm Required components: BJB: 47.319.2021





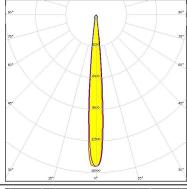
CITIZEN

LED CLL03x/CLU03x

FWHM 10.0° Efficiency 93 % Peak intensity 15.400 cd/lm Required components:

A.A.G. STUCCHI: 8101/G2



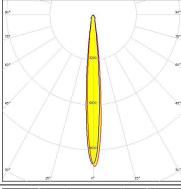


CITIZEN

LED CLL03x/CLU03x

FWHM 10.0° Efficiency 86 % Peak intensity 10.780 cd/lm Required components: F13671_ANGE-RZ-LENS

A.A.G. STUCCHI: 8101/G2

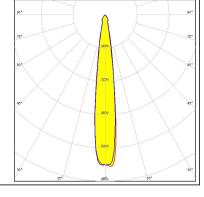


CITIZEN

LED CLL04x/CLU04x

FWHM 15.0° 92 % Efficiency Peak intensity 7.300 cd/lm Required components:

BJB: 47.319.2030



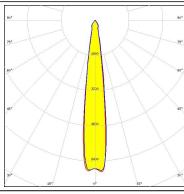
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL04x/CLU04x

FWHM 15.0°
Efficiency 92 %
Peak intensity 6.900 cd/lm
Required components:
A.A.G. STUCCHI: 8102/G2



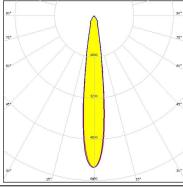


CITIZEN

LED CLL04x/CLU04x

FWHM 15.0°
Efficiency 86 %
Peak intensity 5.890 cd/lm
Required components:
F13671_ANGE-RZ-LENS
A.A.G. STUCCHI: 8102/G2





CITIZEN

LED CLU720/721

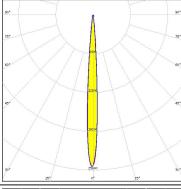
FWHM 7.0° Efficiency 94 %

Peak intensity 25.000 cd/lm

Required components:

A.A.G. STUCCHI: 8101/G2





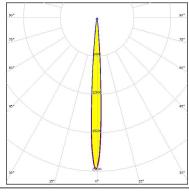
CITIZEN

LED CLU720/721

FWHM 7.0° Efficiency 94 %

Peak intensity 25.300 cd/lm





PHOTOMETRIC DATA (MEASURED):

CREE \$

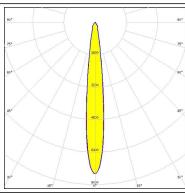
LED CXA/B 25xx

FWHM 13.0°
Efficiency 86 %
Peak intensity 7.500 cd/lm
Required components:

F13671_ANGE-RZ-LENS

BJB: 47.319.2141





CREE \$

LED CXA/B 25xx

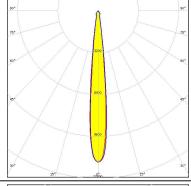
FWHM 11.0° Efficiency 92 %

Peak intensity 11.590 cd/lm

Required components:

A.A.G. STUCCHI: 8401/G2





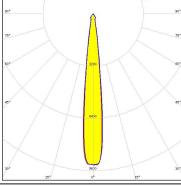
CREE 🚓

LED CXA/B 25xx

FWHM 13.0°
Efficiency 89 %
Peak intensity 9.300 cd/lm
Required components:

BJB: 47.319.2141





CREE 💠

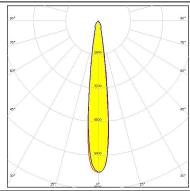
LED CXA/B 30xx

FWHM 15.0°
Efficiency 91 %
Peak intensity 7.200 cd/lm

Required components:

A.A.G. STUCCHI: 8404/G2





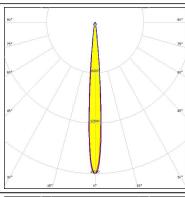
PHOTOMETRIC DATA (MEASURED):



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

FWHM 9.0°
Efficiency 93 %
Peak intensity 19.240 cd/lm
Required components:
A.A.G. STUCCHI: 8600/G2

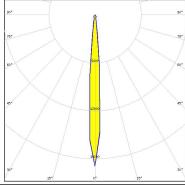




LG Innotek

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

FWHM 8.0°
Efficiency 94 %
Peak intensity 16.200 cd/lm
Required components:
BJB: 47.319.2080

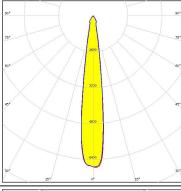


LG Innotek

LED COB 40W/60W

FWHM 15.0°
Efficiency 91 %
Peak intensity 6.760 cd/lm
Required components:
A.A.G. STUCCHI: 8102/G2





DESCRIPTION LUMILEDS

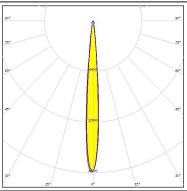
LED LUXEON CoB 1204/1205

FWHM 9.0° Efficiency 93 % Peak intensity 19.200 cd/lm

Required components:

A.A.G. STUCCHI: 8301/G2





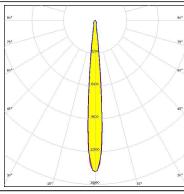
PHOTOMETRIC DATA (MEASURED):

MUMILEDS

LED LUXEON CoB 1208

FWHM 10.0°
Efficiency 94 %
Peak intensity 14.800 cd/lm
Required components:
A.A.G. STUCCHI: 8301/G2

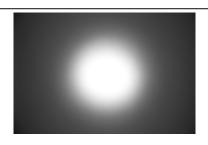


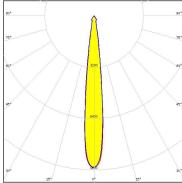


MILEDS

LED LUXEON CoB 1211

FWHM 13.0°
Efficiency 90 %
Peak intensity 9.400 cd/lm
Required components:
BJB: 47.319.2030



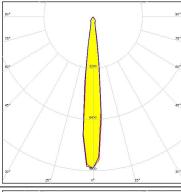


DESCRIPTION LUMILEDS

LED LUXEON CoB 1211

FWHM 13.0°
Efficiency 91 %
Peak intensity 9.500 cd/lm
Required components:
A.A.G. STUCCHI: 8102/G2



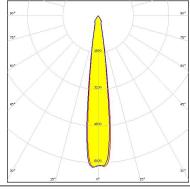


DESCRIPTION LUMILEDS

LED LUXEON CoB 1216/1812

FWHM 15.0°
Efficiency 89 %
Peak intensity 6.620 cd/lm
Required components:
BJB: 47.319.2030





PHOTOMETRIC DATA (MEASURED):

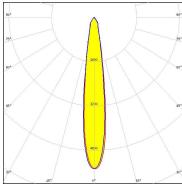


LED LUXEON CoB 1216/1812

FWHM 16.0°
Efficiency 85 %
Peak intensity 5.470 cd/lm
Required components:
F13671_ANGE-RZ-LENS

BJB: 47.319.2030



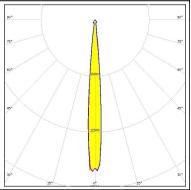


MILEDS

LED LUXEON K12

FWHM 9.0°
Efficiency 94 %
Peak intensity 17.300 cd/lm
Required components:

BJB: 47.319.2070



MILEDS

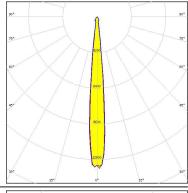
LED LUXEON K16

FWHM 11.0° Efficiency 94 %

Peak intensity 13.600 cd/lm

Required components: BJB: 47.319.2070



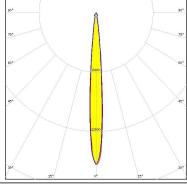


ELUMINUS

LED CXM-14 FWHM 9.0° Efficiency 93 %

Peak intensity 16.300 cd/lm





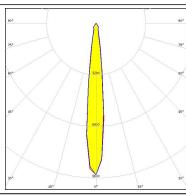
PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED Soleriq E30
FWHM 12.0°
Efficiency 91 %
Peak intensity 9.400 cd/lm
Required components:

BJB: 47.319.2090



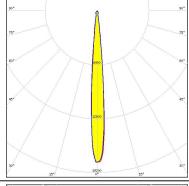


OSRAM Opto Semiconductors

LED Soleriq P13
FWHM 9.2°
Efficiency 93 %
Peak intensity 18.050 cd/lm

Required components:
A.A.G. STUCCHI: 8502/G2



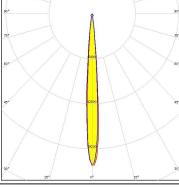


OSRAM Opto Semiconductors

LED Soleriq S13

FWHM 8.0°
Efficiency 94 %
Peak intensity 21.570 cd/lm

Required components:
A.A.G. STUCCHI: 8502/G2



OSRAM Opto Semiconductors

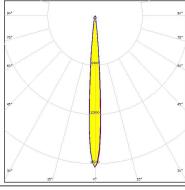
LED

Soleriq S13 Gen2

FWHM 8.5° Efficiency 89 %

Peak intensity 19.700 cd/lm



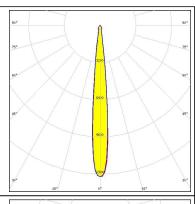


PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductor

LED Soleriq S19
FWHM 11.0°
Efficiency 93 %
Peak intensity 13.050 cd/lm

Required components: BJB: 47.319.2170



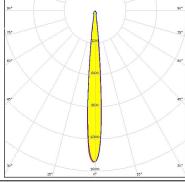
SAMSUNG

LED COB D Series LES 14.5 mm

FWHM 10.0°
Efficiency 91 %
Peak intensity 15.150 cd/lm
Required components:

A.A.G. STUCCHI: 8101/G2





SAMSUNG

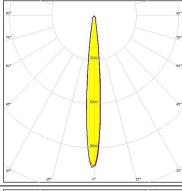
LED COB D Series LES 14.5 mm

FWHM 11.0° Efficiency 87 % Peak intensity 11.030 cd/lm

Required components: F13671_ANGE-RZ-LENS

BJB: 47.319.2021





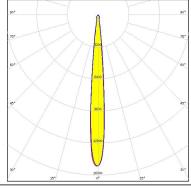
SAMSUNG

LED COB D Series LES 14.5 mm

FWHM 10.0° Efficiency 91 %

Peak intensity 15.150 cd/lm





PHOTOMETRIC DATA (MEASURED):

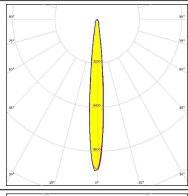
SAMSUNG

LED COB D Series LES 14.5 mm

FWHM 11.0°
Efficiency 87 %
Peak intensity 11.030 cd/lm
Required components:
F13671_ANGE-RZ-LENS

A.A.G. STUCCHI: 8101/G2





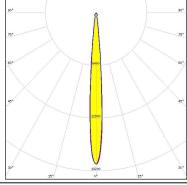
SEOUL SEMICONDUCTOR

LED ZC12/18
FWHM 9.0°
Efficiency 93 %

Peak intensity 18.400 cd/lm Required components:

A.A.G. STUCCHI: 8101/G2





SEOUL SEMICONDUCTOR

 LED
 ZC25/40/60

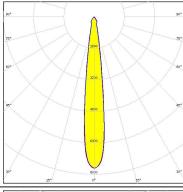
 FWHM
 14.0°

 Efficiency
 91 %

Peak intensity 7.700 cd/lm Required components:

A.A.G. STUCCHI: 8102/G2





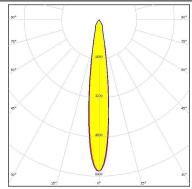
SEOUL SEMICONDUCTOR

LED ZC25/40/60
FWHM 16.0°
Efficiency 87 %
Peak intensity 6.210 cd/lm
Required components:

F13671_ANGE-RZ-LENS

BJB: 47.319.2030





PHOTOMETRIC DATA (MEASURED):



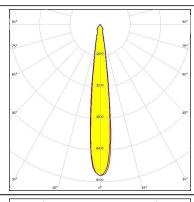
ZC25/40/60 LED **FWHM** 14.0°

Efficiency 93 %

Peak intensity 7.700 cd/lm Required components:

BJB: 47.319.2030





LED Mega Zenigata (GW6DME)

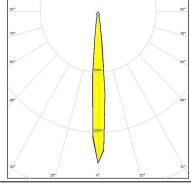
FWHM 10.0° Efficiency 94 %

Peak intensity 16.100 cd/lm

Required components:

BJB: 47.319.2011





HARP

LED Mega Zenigata (GW6DME)

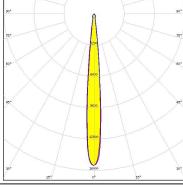
FWHM 10.0° Efficiency 94 %

Peak intensity 15.500 cd/lm

Required components:

A.A.G. STUCCHI: 8301/G2





XICATO

LED XTM - 19mm LES

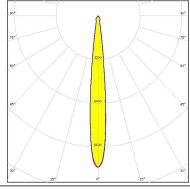
FWHM 12.0° 91 % Efficiency

Peak intensity 11.000 cd/lm

Required components:

C15743_XTM-ADAPTER-50-B





PHOTOMETRIC DATA (SIMULATED):

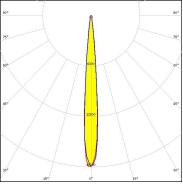
CITIZEN

LED CLL03x/CLU03x

FWHM 9.3° Efficiency 94 %

Peak intensity 19.200 cd/lm

Required components: BJB: 47.319.2021



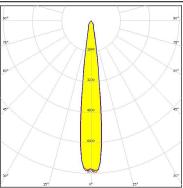
CITIZEN

LED CLL04x/CLU04x

FWHM 14.0° Efficiency 93 % Peak intensity 8.000 cd/lm

Required components:

Required component BJB: 47.319.2030



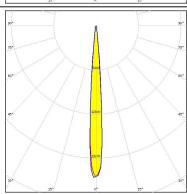
CITIZEN

LED CLU730/731

FWHM 8.5° Efficiency 92 %

Peak intensity 22.200 cd/lm

Required components: BJB: 47.319.2030



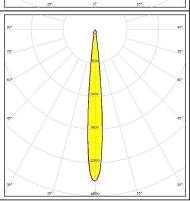
OSRAM Opto Semiconductors

Opto Semiconducto

LED Soleriq S15 FWHM 10.0°

Efficiency 90 %

Peak intensity 14.600 cd/lm



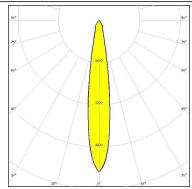
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED COB D Series LES 22 mm

FWHM 17.0°
Efficiency 87 %
Peak intensity 5.750 cd/lm

Required components: BJB: 47.319.2030



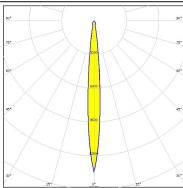
TRIDONIC

LED SLE G6 LES15 H D50

FWHM 9.7° Efficiency 89 %

Peak intensity 14.300 cd/lm

Required components:



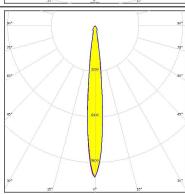
TRIDONIC

LED SLE G6 LES17 H

FWHM 12.0° Efficiency 88 %

Peak intensity 10.700 cd/lm

Required components:

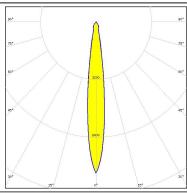


TRIDONIC

LED SLE G6 LES19 H

FWHM 13.0°
Efficiency 89 %
Peak intensity 8.400 cd/lm

Required components:





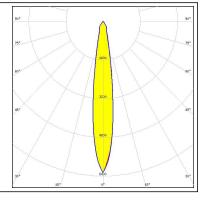
PHOTOMETRIC DATA (SIMULATED):

TRIDONIC

LED SLE G6 LES23 H

FWHM 16.0°
Efficiency 88 %
Peak intensity 6.270 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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Distribution Partners

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