

ANGELINA-M-B

~30° medium beam compatible with BJB and B+W connectors

SPECIFICATION:

Dimensions Ø 82.0 mm
Height 31 mm
Fastening socket
ROHS compliant yes ①



MATERIALS:

ComponentTypeMaterialColourFinishCoatingANGELINA-M-BReflectorPCmetalHMDS

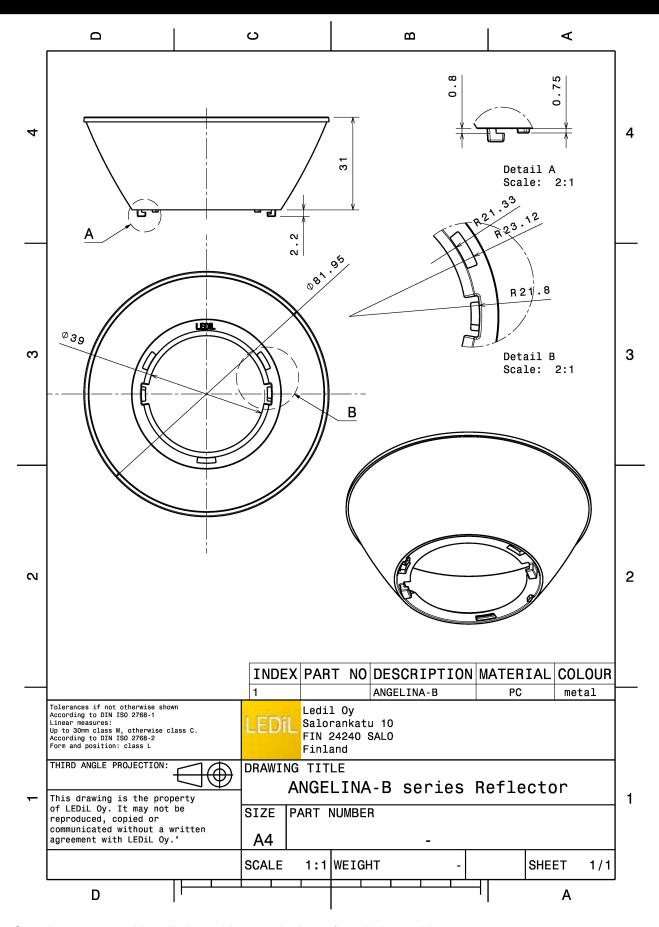
ORDERING INFORMATION:

» Box size: 480 x 280 x 300 mm

Component Qty in box MOQ MPQ Box weight (kg)

F13660_ANGELINA-M-B 825 110 55 10.0

PRODUCT DATASHEET F13660_ANGELINA-M-B



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

Published: 02/05/2018



bridgelux

LED BXRA ES Rectangle

FWHM / FWTM 38.0° / 97.0° Efficiency 92 %

Peak intensity 1.3 cd/lm

LEDs/each optic 1
Light colour/type White

Required components: BJB: 47.319.2040

Light distribution files

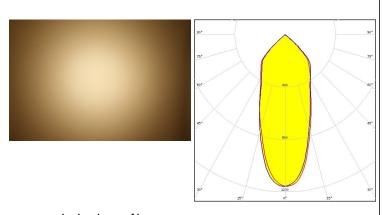
bridgelux.

LED V15 Gen6
FWHM / FWTM 41.0° / 98.0°
Efficiency 93 %

Peak intensity 1.2 cd/lm LEDs/each optic 1

Light colour/type White Required components:

BJB: 47.319.2224



Light distribution files

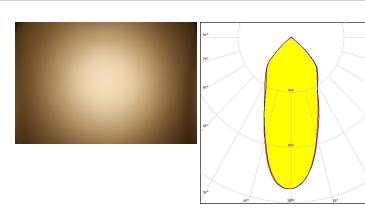
bridgelux.

LED V18 Gen6 FWHM / FWTM 44.0° / 98.0°

Efficiency 93 %
Peak intensity 1.1 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:

BJB: 47.319.2274

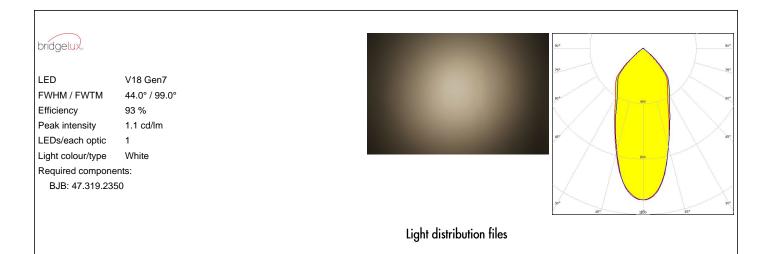


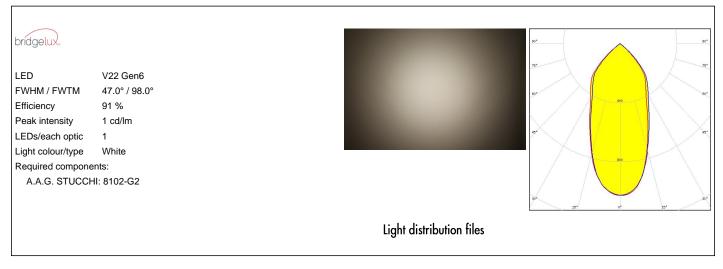
Light distribution files

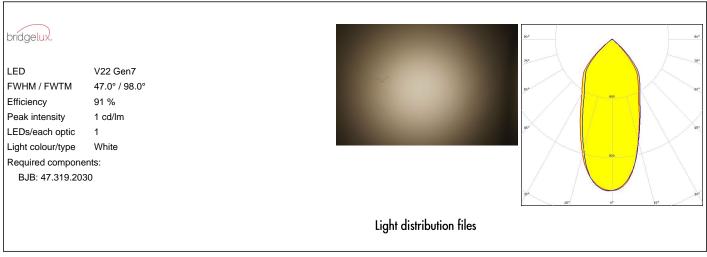
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OPTICAL RESULTS (MEASURED):



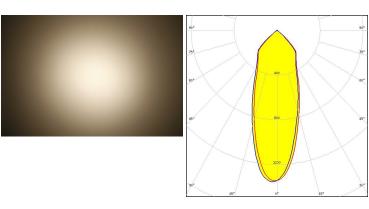






CITIZEN

LED CLL03x/CLU03x 37.0° / 96.0° FWHM / FWTM Efficiency 92 % Peak intensity 1.4 cd/lm LEDs/each optic White Light colour/type Required components:



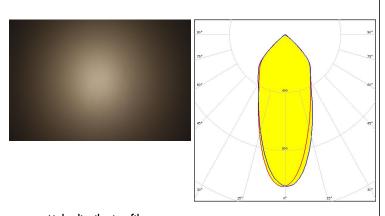
Light distribution files

CITIZEN

BJB: 47.319.2021

CLL03x/CLU03x FWHM / FWTM 43.0° / 99.0° Efficiency 89 % Peak intensity 1.1 cd/lm LEDs/each optic Light colour/type White Required components: F13671_ANGE-RZ-LENS

A.A.G. STUCCHI: 8101-G2



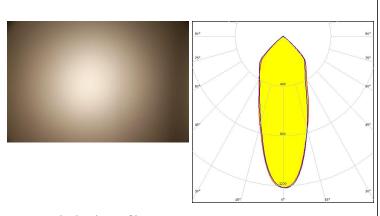
Light distribution files

CITIZEN

LED CLL03x/CLU03x FWHM / FWTM 39.0° / 98.0° Efficiency 94 % Peak intensity 1.2 cd/lm

LEDs/each optic Light colour/type White Required components:

A.A.G. STUCCHI: 8101-G2



Light distribution files



CITIZEN

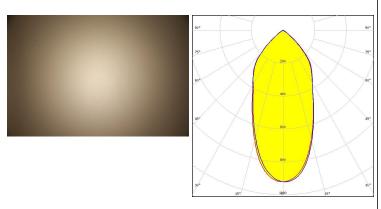
 LED
 CLL04x/CLU04x

 FWHM / FWTM
 50.0° / 101.0°

 Efficiency
 87 %

Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F13671_ANGE-RZ-LENS A.A.G. STUCCHI: 8102-G2



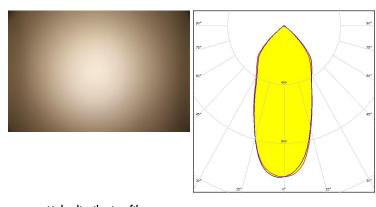
Light distribution files

CITIZEN

LED CLL04x/CLU04x
FWHM / FWTM 39.0° / 98.0°
Efficiency 94 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1

Light colour/type White Required components:

A.A.G. STUCCHI: 8102-G2



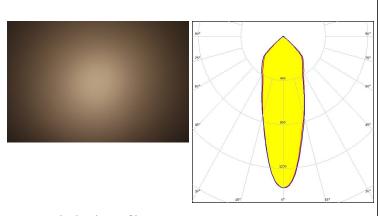
Light distribution files

CITIZEN

LED CLU720/721/723

FWHM / FWTM 35.0° / 97.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

A.A.G. STUCCHI: 8101-G2

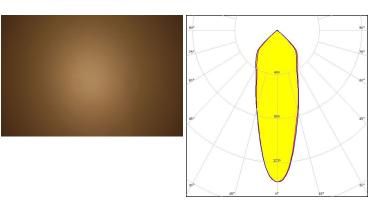


Light distribution files



CITIZEN

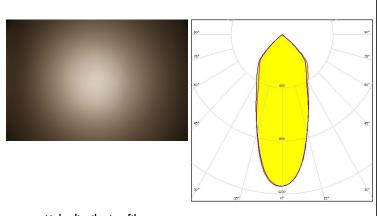
LED CLU720/721/723 34.0° / 96.0° FWHM / FWTM Efficiency 94 % Peak intensity 1.4 cd/lm LEDs/each optic White Light colour/type Required components: BJB: 47.319.2021



Light distribution files

CREE \$

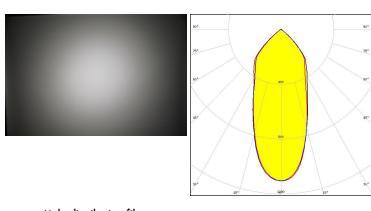
CXA/B 25xx FWHM / FWTM 42.0° / 98.0° Efficiency 93 % Peak intensity 1.1 cd/lm LEDs/each optic Light colour/type White Required components: A.A.G. STUCCHI: 8401-G2



Light distribution files

CREE \$

LED CXA/B 25xx $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 44.0° / 98.0° Efficiency 92 % Peak intensity 1.1 cd/lm LEDs/each optic Light colour/type White Required components: BJB: 47.319.2141

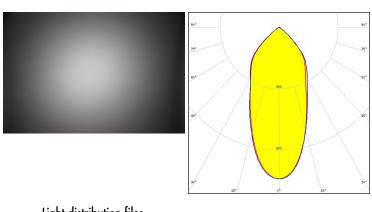


Light distribution files



CREE +

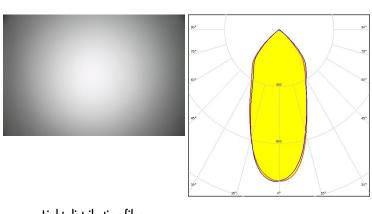
LED CXA/B 25xx
FWHM / FWTM 46.0° / 99.0°
Efficiency 89 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F13671_ANGE-RZ-LENS
BJB: 47.319.2141



Light distribution files

CREE \$

LED CXA/B 30xx
FWHM / FWTM 45.0° / 98.0°
Efficiency 92 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
A.A.G. STUCCHI: 8404-G2

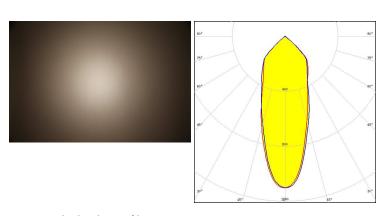


Light distribution files

MILEDS

LED LUXEON CoB 1204/1205

FWHM / FWTM 38.0° / 97.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
A.A.G. STUCCHI: 8301-G2



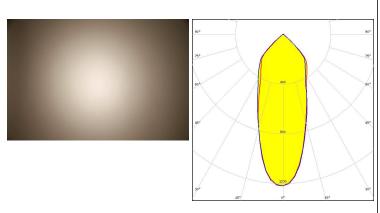
Light distribution files



MUMILEDS

LED LUXEON CoB 1208
FWHM / FWTM 39.0° / 97.0°
Efficiency 94 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

A.A.G. STUCCHI: 8301-G2

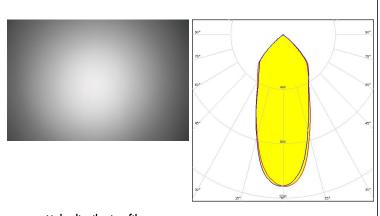


Light distribution files

UMILEDS

LED LUXEON CoB 1211
FWHM / FWTM 44.0° / 98.0°
Efficiency 92 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1

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



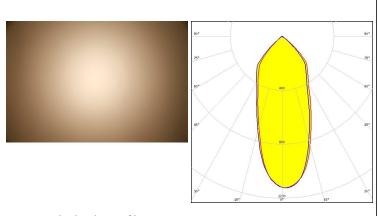
Light distribution files

DESCRIPTION

LED LUXEON CoB 1211
FWHM / FWTM 43.0° / 97.0°
Efficiency 92 %

Efficiency 92 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

A.A.G. STUCCHI: 8102-G2



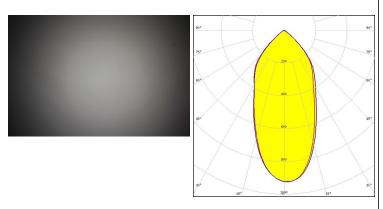
Light distribution files





LUXEON CoB 1213/1216/1812

FWHM / FWTM 50.0° / 100.0° Efficiency 88 % Peak intensity 0.9 cd/lm LEDs/each optic White Light colour/type Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2030

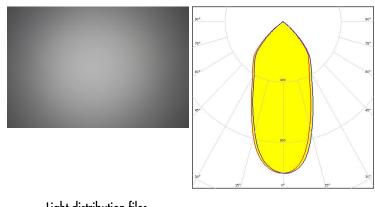


Light distribution files



LUXEON CoB 1213/1216/1812

FWHM / FWTM 49.0° / 99.0° Efficiency 91 % Peak intensity 1 cd/lm LEDs/each optic Light colour/type Required components: BJB: 47.319.2030

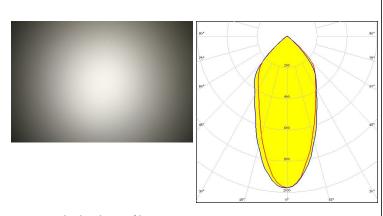


Light distribution files

MUMILEDS

LED LUXEON K12 FWHM / FWTM 48.0° / 101.0°

Efficiency 89 % Peak intensity 1 cd/lm LEDs/each optic Light colour/type White Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2070

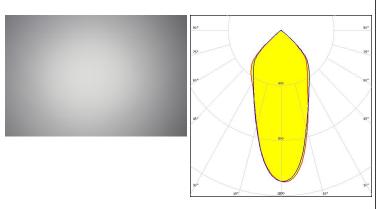


Light distribution files



MUMILEDS

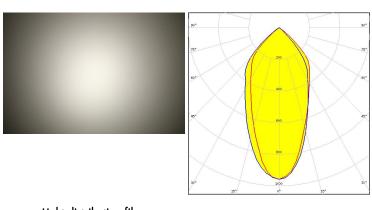
LED LUXEON K16
FWHM / FWTM 44.0° / 98.0°
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2070



Light distribution files

MUMILEDS

LED LUXEON K16
FWHM / FWTM 50.0° / 101.0°
Efficiency 89 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F13671_ANGE-RZ-LENS
BJB: 47.319.2070



Light distribution files



 LED
 CxM-14 (19x19)

 FWHM / FWTM
 40.0° / 98.0°

 Efficiency
 94 %

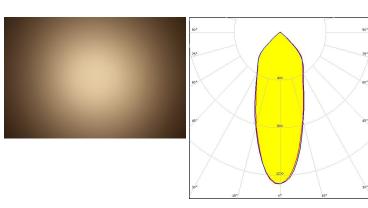
 Peak intensity
 1.3 cd/lm

 LEDs/each optic
 1

 Light colour/type
 White

 Required components:

 BJB: 47.319.2021



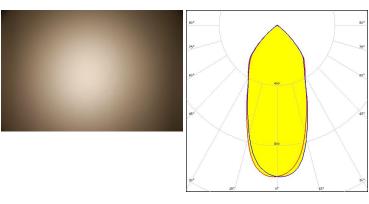
Light distribution files





CxM-22 (28x28) 48.0° / 99.0° FWHM / FWTM Efficiency 92 % Peak intensity 1 cd/lm LEDs/each optic

White Light colour/type Required components: BJB: 47.319.2030

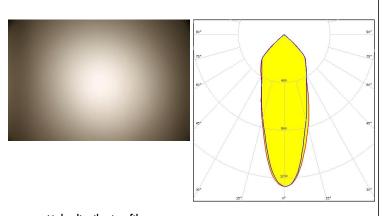


Light distribution files

OSRAM Opto Semiconductors

Soleriq S13 FWHM / FWTM 37.0° / 98.0° Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic Light colour/type White

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



Light distribution files

OSRAM

LED Soleriq S13 19x19 FWHM / FWTM

37.0° / 97.0° Efficiency 93 %

Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour/type White Required components:

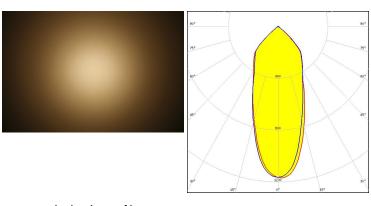
BJB: 47.319.2021

Light distribution files



OSRAM Opto Semiconductors

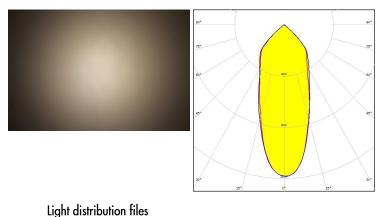
Soleriq S19 41.0° / 98.0° FWHM / FWTM Efficiency 94 % Peak intensity 1.2 cd/lm LEDs/each optic White Light colour/type Required components: BJB: 47.319.2170



Light distribution files

OSRAM Opto Semiconductors

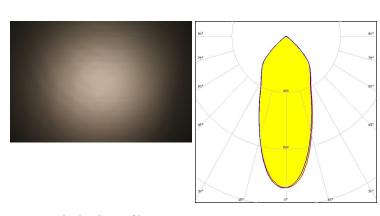
Soleriq S19 FWHM / FWTM 41.0° / 97.0° Efficiency 93 % Peak intensity 1.2 cd/lm LEDs/each optic Light colour/type White Required components: A.A.G. STUCCHI: 8503-G2



LED Fortimo SLM L19 CoB

FWHM / FWTM 42.0° / 98.0° Efficiency 88 % Peak intensity 1.1 cd/lm LEDs/each optic Light colour/type White Required components:

F13671_ANGE-RZ-LENS BJB: 47.319.2030



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Light distribution files



PHILIPS

LED Fortimo SLM L19 CoB

FWHM / FWTM 40.0° / 97.0°

Efficiency 93 %

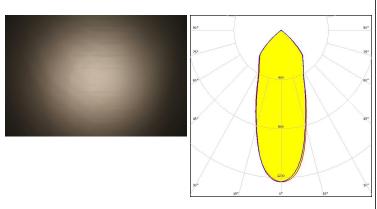
Peak intensity 1.2 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

BJB: 47.319.2030



Light distribution files

PHILIPS

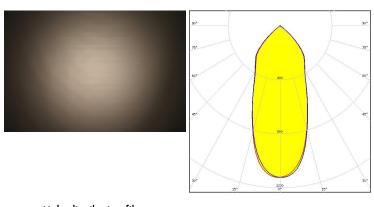
LED Fortimo SLM L23 CoB

 FWHM / FWTM
 44.0° / 98.0°

 Efficiency
 93 %

 Peak intensity
 1.1 cd/lm

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



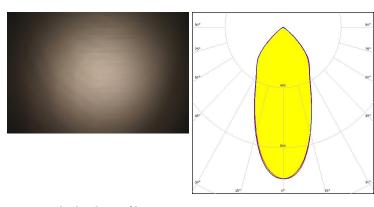
Light distribution files

PHILIPS

LED Fortimo SLM L23 CoB

FWHM / FWTM 45.0° / 99.0°
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2030



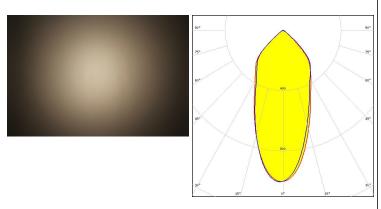
Light distribution files



SAMSUNG

LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 45.0° / 100.0° Efficiency 89 % Peak intensity 1 cd/lm LEDs/each optic White Light colour/type Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2021



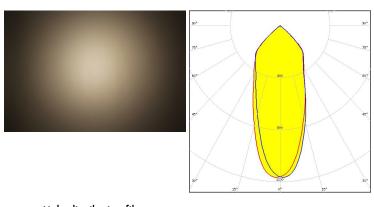
Light distribution files

SAMSUNG

LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 41.0° / 98.0° Efficiency 93 % Peak intensity 1.2 cd/lm LEDs/each optic Light colour/type

Required components: BJB: 47.319.2021



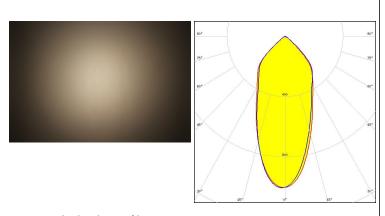
Light distribution files

SAMSUNG

LC016D / LC019D / LC026D / LC033D LED

FWHM / FWTM 45.0° / 100.0° Efficiency 89 % Peak intensity 1 cd/lm

LEDs/each optic 1 Light colour/type White Required components: F13671_ANGE-RZ-LENS A.A.G. STUCCHI: 8101-G2



Light distribution files

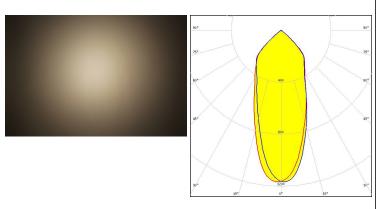
Published: 02/05/2018



SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 41.0° / 98.0°
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
A.A.G. STUCCHI: 8101-G2

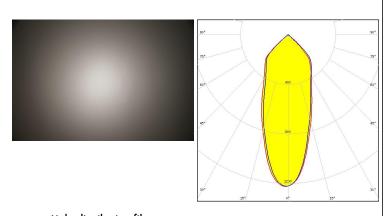


Light distribution files



LED ZC12/18
FWHM / FWTM 39.0° / 97.0°
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

A.A.G. STUCCHI: 8101-G2

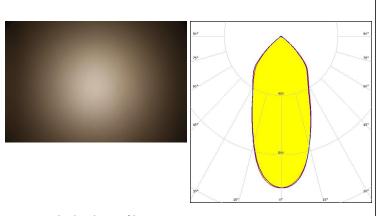


Light distribution files



LED ZC25/40/60
FWHM / FWTM 47.0° / 99.0°
Efficiency 92 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

A.A.G. STUCCHI: 8102-G2



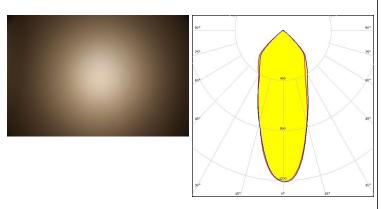
Light distribution files



SHARP

LED Mega Zenigata (GW6DME)

FWHM / FWTM 40.0° / 98.0°
Efficiency 94 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
A.A.G. STUCCHI: 8301-G2



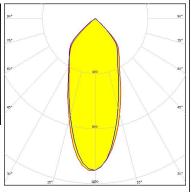
Light distribution files

SHARP

LED Tiger Zenigata (GWTGCBG4FD)

FWHM / FWTM 41.0° / 99.0°
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F13671_ANGE-RZ-LENS BJB: 47.319.2051



Light distribution files

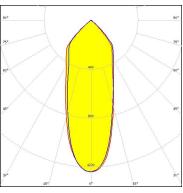
TRIDONIC

LED SLE G7 LES17 H FWHM / FWTM 38.0° / 96.0°

Efficiency 91 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



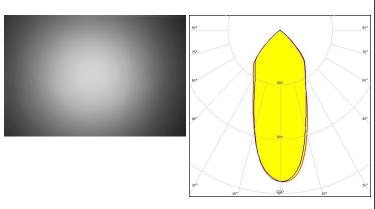


Light distribution files



TRIDONIC

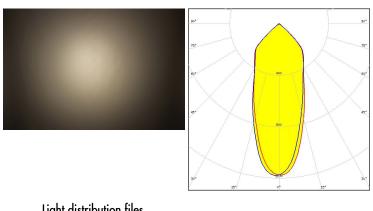
SLE G7 LES21 H 43.0° / 97.0° FWHM / FWTM Efficiency 91 % Peak intensity 1.1 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files

XICATO

XOB 14.5 mm FWHM / FWTM 40.0° / 98.0° Efficiency 94 % Peak intensity 1.2 cd/lm LEDs/each optic Light colour/type Required components: BJB: 47.319.2021



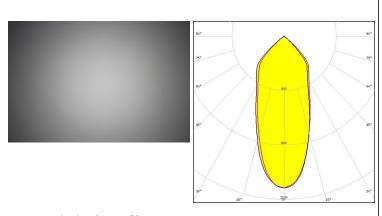
Light distribution files

XICATO

LED XTM - 19mm LES FWHM / FWTM 43.0° / 98.0° Efficiency 93 % Peak intensity 1.1 cd/lm

LEDs/each optic Light colour/type White Required components:

C15743_XTM-ADAPTER-50-B



Light distribution files



OPTICAL RESULTS (SIMULATED):

CITIZEN

CLL04x/CLU04x LED 37.0° / 90.0° FWHM / FWTM Efficiency 95 % Peak intensity 1.6 cd/lm

LEDs/each optic 1 Light colour/type White

Required components:

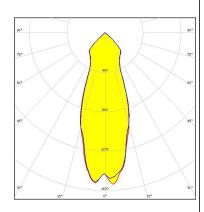
BJB: 47.319.2030

CITIZEN

CLU730/731/733 LFD FWHM / FWTM 37.0° / 93.0° Efficiency 91 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour/type White

Required components:

BJB: 47.319.2030



Light distribution files



LED LUXEON K12 FWHM / FWTM 29.0° / 93.0°

Efficiency % LEDs/each optic Light colour/type White Required components:

BJB: 47.319.2070

Light distribution files



OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC040D / LC060D / LC080D

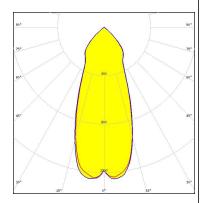
White

FWHM / FWTM 41.0° / 94.0° Efficiency 90 % Peak intensity 1.3 cd/lm LEDs/each optic 1

Required components:

Light colour/type

BJB: 47.319.2030



Light distribution files

Published: 02/05/2018



PRODUCT DATASHEET F13660_ANGELINA-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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