

ANGELINA-S-B

~20° spot beam compatible with BJB and B+W connectors

SPECIFICATION:

Dimensions Ø 82.0 mm 31 mm Height Fastening socket yes 🕕 **ROHS** compliant



MATERIALS:

Component **Type** Material Colour **Finish** Coating ANGELINA-S-B Reflector PC metal **HMDS**

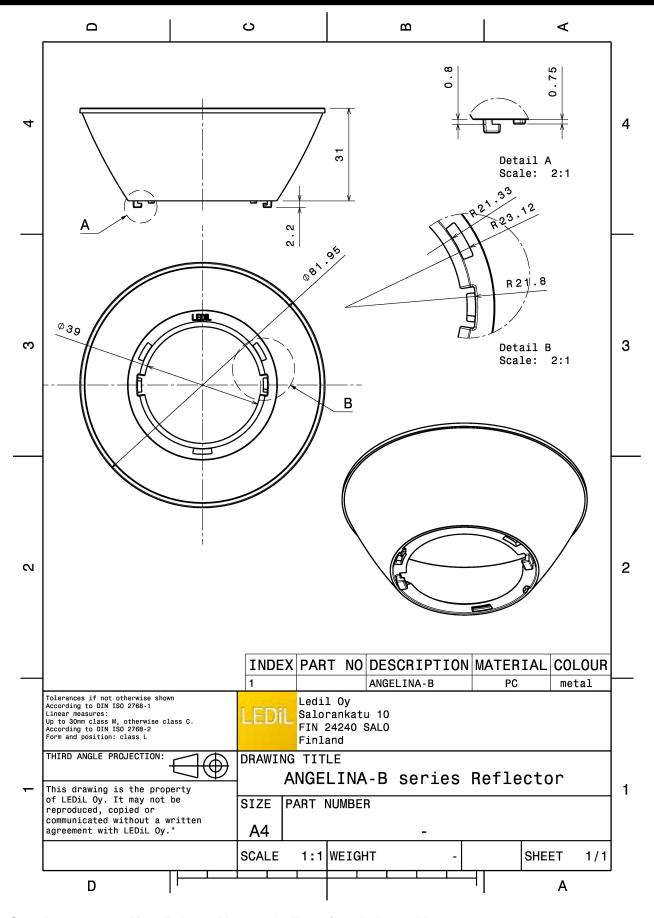
ORDERING INFORMATION:

Component Qty in box MOQ MPQ Box weight (kg) 825 110 55 11.3

F13659_ANGELINA-S-B

» Box size: 480 x 280 x 300 mm





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



bridgelux

LED BXRA ES Rectangle

FWHM / FWTM 23.0° / 90.0°

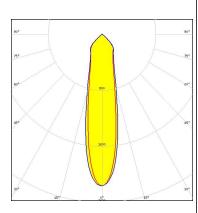
Efficiency 92 %

Peak intensity 2.2 cd/lm LEDs/each optic 1

Light colour/type White

Required components:

BJB: 47.319.2040



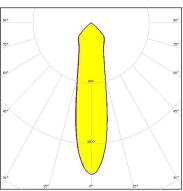
Light distribution files



LED V15 Gen6
FWHM / FWTM 24.0° / 92.0°
Efficiency 92 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components: BJB: 47.319.2224





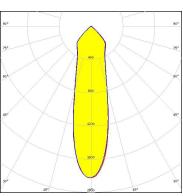
Light distribution files

bridgelux.

LED V18 Gen6
FWHM / FWTM 27.0° / 92.0°
Efficiency 92 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

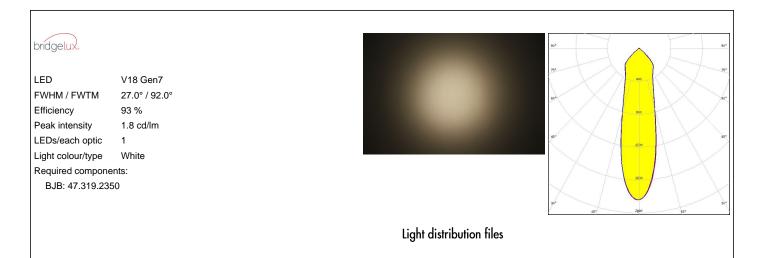
BJB: 47.319.2274

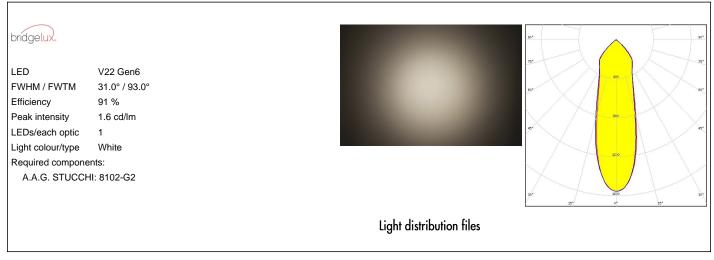


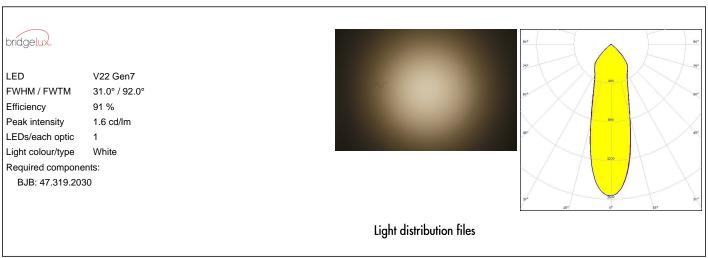


Light distribution files







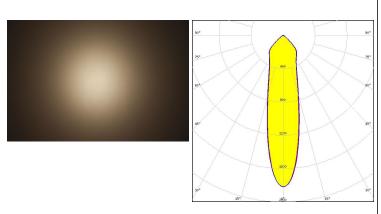




CITIZEN

LED CLL03x/CLU03x 25.0° / 92.0° FWHM / FWTM Efficiency 89 % Peak intensity 1.8 cd/lm LEDs/each optic White Light colour/type Required components: F13671_ANGE-RZ-LENS

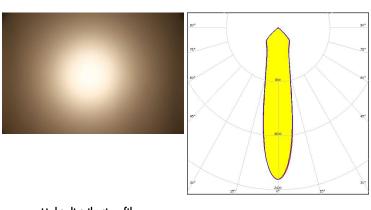
A.A.G. STUCCHI: 8101-G2



Light distribution files

CITIZEN

CLL03x/CLU03x FWHM / FWTM 22.0° / 91.0° Efficiency 94 % Peak intensity 2.3 cd/lm LEDs/each optic Light colour/type White Required components: A.A.G. STUCCHI: 8101-G2

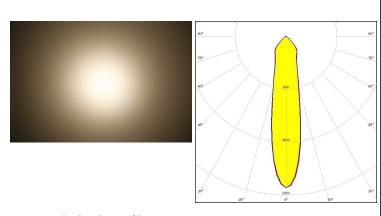


Light distribution files

CITIZEN

BJB: 47.319.2021

CLL03x/CLU03x LED FWHM / FWTM 23.0° / 86.0° Efficiency 92 % Peak intensity 2.2 cd/lm LEDs/each optic Light colour/type White Required components:

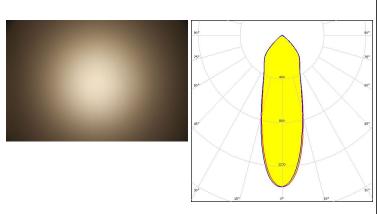


Light distribution files



CITIZEN

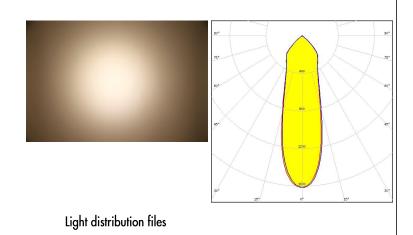
LED CLL04x/CLU04x 33.0° / 94.0° FWHM / FWTM Efficiency 88 % Peak intensity 1.4 cd/lm LEDs/each optic White Light colour/type Required components: F13671_ANGE-RZ-LENS A.A.G. STUCCHI: 8102-G2



Light distribution files

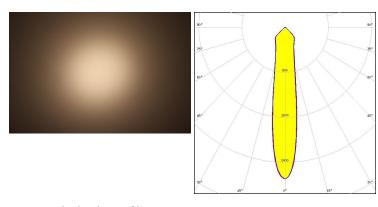
CITIZEN

CLL04x/CLU04x FWHM / FWTM 30.0° / 93.0° Efficiency 92 % Peak intensity 1.6 cd/lm LEDs/each optic Light colour/type White Required components: A.A.G. STUCCHI: 8102-G2



CITIZEN

LED CLU720/721/723 FWHM / FWTM 19.0° / 88.0° Efficiency 94 % Peak intensity 2.5 cd/lm LEDs/each optic Light colour/type White Required components: A.A.G. STUCCHI: 8101-G2



Light distribution files



CITIZEN

 LED
 CLU720/721/723

 FWHM / FWTM
 19.0° / 81.0°

 Efficiency
 94 %

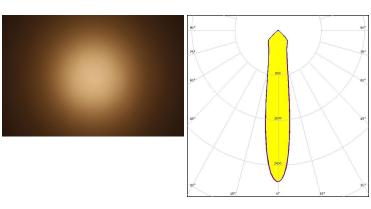
 Peak intensity
 2.7 cd/lm

 LEDs/each optic
 1

 Light colour/type
 White

 Required components:

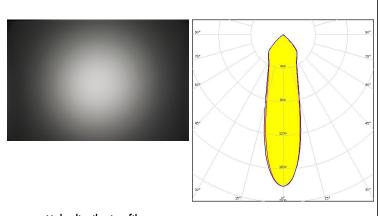
 BJB: 47.319.2021



Light distribution files

CREE \$

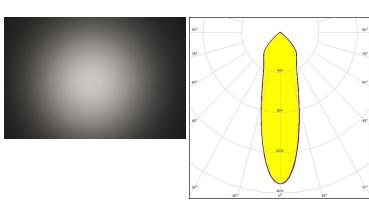
EED CXA/B 25xx
FWHM / FWTM 27.0° / 91.0°
Efficiency 92 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2141



Light distribution files

CREE -

LED CXA/B 25xx
FWHM / FWTM 30.0° / 93.0°
Efficiency 88 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2141

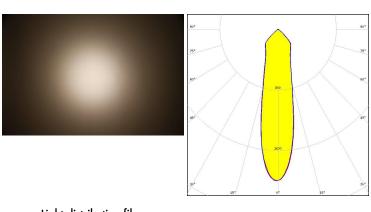


Light distribution files



CREE \$

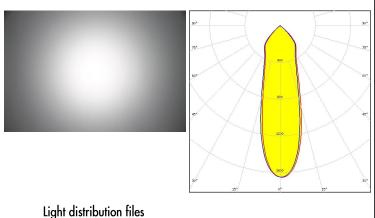
CXA/B 25xx LED 25.0° / 91.0° FWHM / FWTM Efficiency 93 % Peak intensity 2 cd/lm LEDs/each optic White Light colour/type Required components: A.A.G. STUCCHI: 8401-G2



Light distribution files

CREE \$

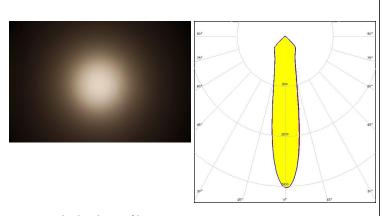
CXA/B 30xx FWHM / FWTM 30.0° / 92.0° Efficiency 92 % Peak intensity 1.7 cd/lm LEDs/each optic Light colour/type White Required components: A.A.G. STUCCHI: 8404-G2



MUMILEDS

LED LUXEON CoB 1204/1205

FWHM / FWTM 21.0° / 89.0° Efficiency 94 % Peak intensity 2.4 cd/lm LEDs/each optic Light colour/type White Required components: A.A.G. STUCCHI: 8301-G2



Light distribution files



DESCRIPTION

LED LUXEON CoB 1208
FWHM / FWTM 23.0° / 90.0°

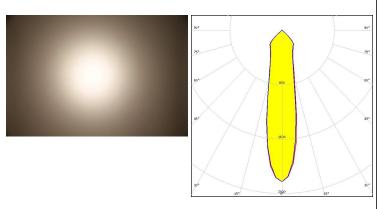
Efficiency 94 %
Peak intensity 2.2 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

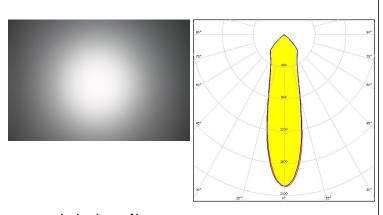
A.A.G. STUCCHI: 8301-G2



Light distribution files

UMILEDS

LED LUXEON CoB 1211
FWHM / FWTM 26.0° / 91.0°
Efficiency 92 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

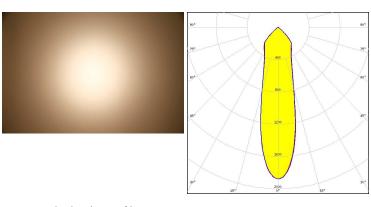


Light distribution files

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BJB: 47.319.2030

LED LUXEON CoB 1211
FWHM / FWTM 26.0° / 91.0°
Efficiency 92 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
A.A.G. STUCCHI: 8102-G2



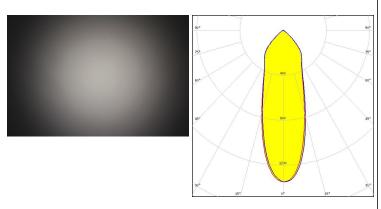
Light distribution files



MUMILEDS

LED LUXEON CoB 1213/1216/1812

FWHM / FWTM 34.0° / 95.0°
Efficiency 88 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2030



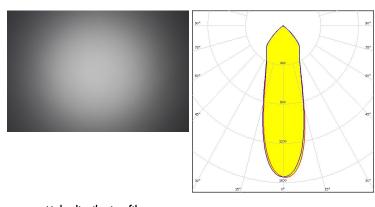
Light distribution files

UMILEDS

LED LUXEON CoB 1213/1216/1812

FWHM / FWTM 32.0° / 93.0°
Efficiency 91 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components: BJB: 47.319.2030

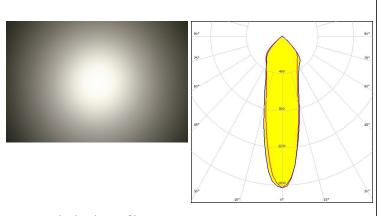


Light distribution files

DESCRIPTION

LED LUXEON K12
FWHM / FWTM 27.0° / 95.0°
Efficiency 89 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2070

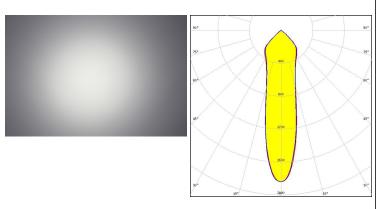


Light distribution files





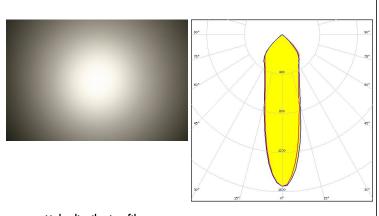
LED LUXEON K16
FWHM / FWTM 24.0° / 94.0°
Efficiency 94 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2070



Light distribution files

UMILEDS

LED LUXEON K16
FWHM / FWTM 29.0° / 95.0°
Efficiency 89 %
Peak intensity 1.5 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
 23.0° / 87.0°

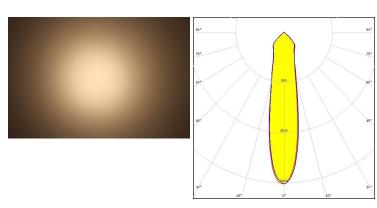
 Efficiency
 94 %

 Peak intensity
 2.4 cd/lm

 LEDs/each optic
 1

 Light colour/type
 White

 Required components:
 BJB: 47.319.2021



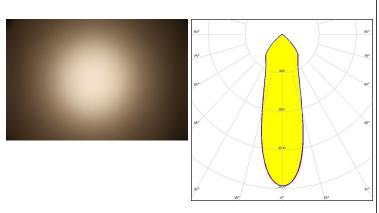
Light distribution files





CxM-22 (28x28) 32.0° / 93.0° FWHM / FWTM Efficiency 92 % Peak intensity 1.6 cd/lm LEDs/each optic

White Light colour/type Required components: BJB: 47.319.2030



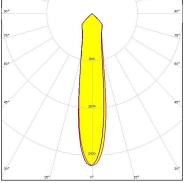
Light distribution files

OSRAM Opto Semiconductors

Soleriq S13 FWHM / FWTM 20.0° / 87.0° Efficiency 94 % Peak intensity 2.6 cd/lm LEDs/each optic

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





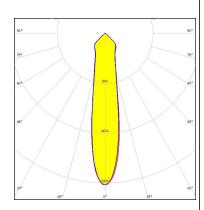
Light distribution files

OSRAM

LED Soleriq S13 19x19 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 20.0° / 89.0°

Efficiency 92 % Peak intensity 2.4 cd/lm LEDs/each optic Light colour/type White

Required components: BJB: 47.319.2021

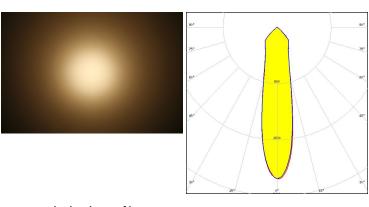


Light distribution files



OSRAM Opto Semiconductors

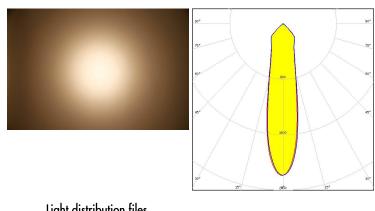
Soleriq S19 23.0° / 90.0° FWHM / FWTM Efficiency 94 % Peak intensity 2.2 cd/lm LEDs/each optic White Light colour/type Required components: BJB: 47.319.2170



Light distribution files

OSRAM Opto Semiconductors

Soleriq S19 FWHM / FWTM 23.0° / 89.0° Efficiency 94 % Peak intensity 2.2 cd/lm LEDs/each optic Light colour/type White Required components: A.A.G. STUCCHI: 8503-G2

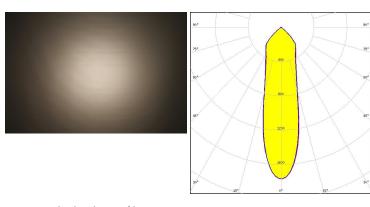


Light distribution files

LED Fortimo SLM L19 CoB

FWHM / FWTM 27.0° / 92.0° Efficiency 93 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour/type White Required components:

BJB: 47.319.2030



Light distribution files



PHILIPS

LED Fortimo SLM L19 CoB

FWHM / FWTM 30.0° / 94.0°

Efficiency 88 %

Peak intensity 1.5 cd/lm

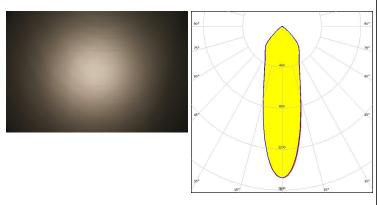
LEDs/each optic 1

Light colour/type White

Required components:

F13671_ANGE-RZ-LENS

BJB: 47.319.2030



Light distribution files

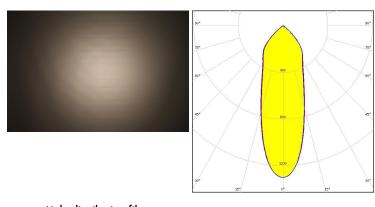
PHILIPS

LED Fortimo SLM L23 CoB

FWHM / FWTM 34.0° / 95.0°
Efficiency 88 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1

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

BJB: 47.319.2030



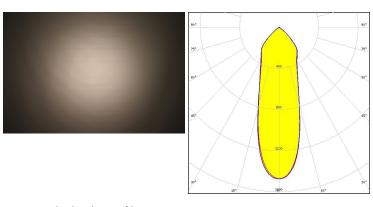
Light distribution files

PHILIPS

LED Fortimo SLM L23 CoB

FWHM / FWTM 32.0° / 95.0°
Efficiency 93 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components: BJB: 47.319.2030



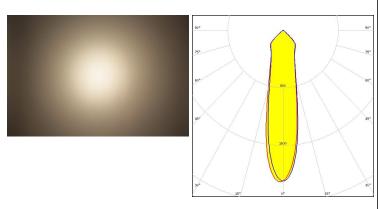
Light distribution files



SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 24.0° / 91.0°
Efficiency 93 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2021



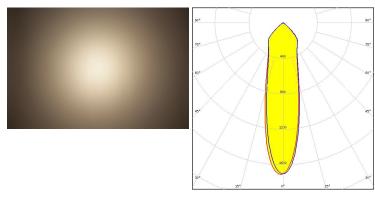
Light distribution files

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 27.0° / 93.0°
Efficiency 89 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F13671_ANGE-RZ-LENS

A.A.G. STUCCHI: 8101-G2

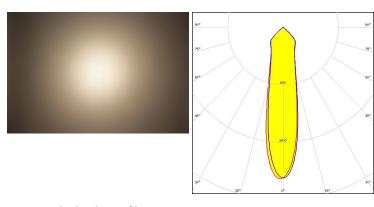


Light distribution files

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 24.0° / 91.0°
Efficiency 93 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
A.A.G. STUCCHI: 8101-G2



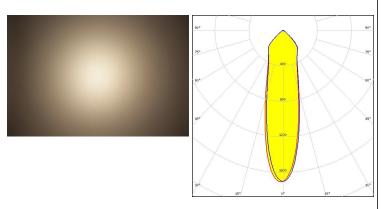
Light distribution files



SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 27.0° / 93.0°
Efficiency 89 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2021

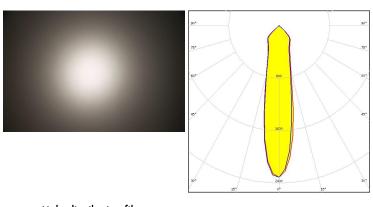


Light distribution files



LED ZC12/18
FWHM / FWTM 22.0° / 89.0°
Efficiency 93 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

A.A.G. STUCCHI: 8101-G2

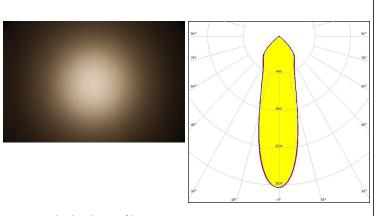


Light distribution files



LED ZC25/40/60
FWHM / FWTM 30.0° / 93.0°
Efficiency 92 %
Peak intensity 1.6 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 23.0° / 90.0°

Efficiency 94 %

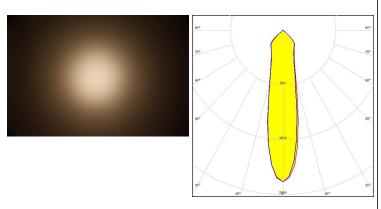
Peak intensity 2.2 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

A.A.G. STUCCHI: 8301-G2



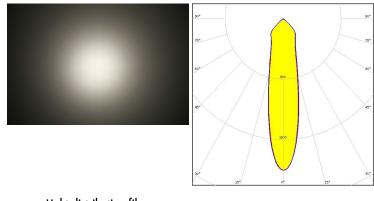
Light distribution files

SHARP

LED Tiger Zenigata (GWTGCBG4FD)

FWHM / FWTM 23.0° / 90.0°
Efficiency 91 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F13671_ANGE-RZ-LENS

BJB: 47.319.2051

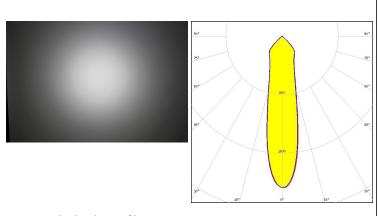


Light distribution files

TRIDONIC

LED SLE G7 LES17 H
FWHM / FWTM 24.0° / 89.0°
Efficiency 91 %

Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



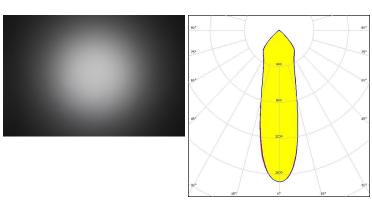
Light distribution files

Published: 02/05/2018



TRIDONIC

LED SLE G7 LES21 H
FWHM / FWTM 29.0° / 91.0°
Efficiency 91 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White

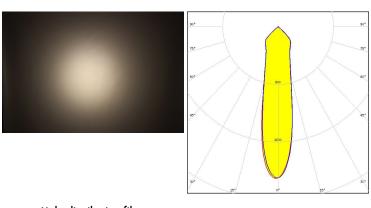


Light distribution files

XICATO

Required components:

LED XOB 14.5 mm
FWHM / FWTM 23.0° / 92.0°
Efficiency 94 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.2021



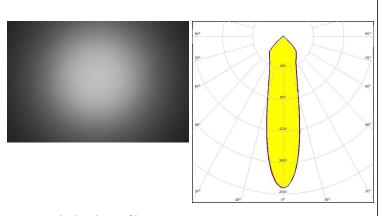
Light distribution files

XICATO

LED XTM - 19mm LES FWHM / FWTM 25.0° / 91.0°

Efficiency 93 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components: C15743_XTM-ADAPTER-50-B



Light distribution files



OPTICAL RESULTS (SIMULATED):

CITIZEN

CLL04x/CLU04x LED 22.0° / 68.0° FWHM / FWTM Efficiency 95 %

Peak intensity 3.1 cd/lm LEDs/each optic 1

White Light colour/type

Required components:

BJB: 47.319.2030

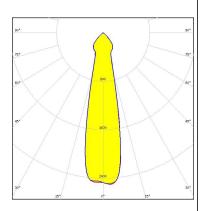
CITIZEN

CLL04x/CLU04x LFD FWHM / FWTM 24.0° / 79.0° Efficiency 89 % 2.5 cd/lm

Peak intensity LEDs/each optic 1 Light colour/type White

Required components:

BJB: 47.319.2315



Light distribution files

MUMILEDS

LED LUXEON K12 FWHM / FWTM 15.0° / 26.0°

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

BJB: 47.319.2070

Light distribution files



OPTICAL RESULTS (SIMULATED):

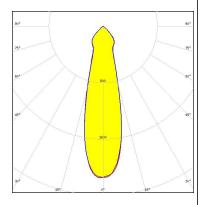
SAMSUNG

LED LC040D / LC060D / LC080D

FWHM / FWTM 27.0° / 85.0°
Efficiency 90 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

BJB: 47.319.2030



Light distribution files

Published: 02/05/2018



PRODUCT DATASHEET F13659 ANGELINA-S-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:

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