

SAGA-HB-IP-WHT

~60° high bay beam

SPECIFICATION:

Dimensions Ø 50.0 mm

Height 12 mm

Fastening screw

Ingress protection classes IP67

ROHS compliant yes ©



MATERIALS:

ComponentTypeMaterialColourFinishLength (mm)C13586_SAGA-HB-IPSingle lensSiliconeclearC13591_SAGA-FRAME-WHTHolderHRPCwhite

ORDERING INFORMATION:

Quantities for one set:

Single lens 1 Holder 1

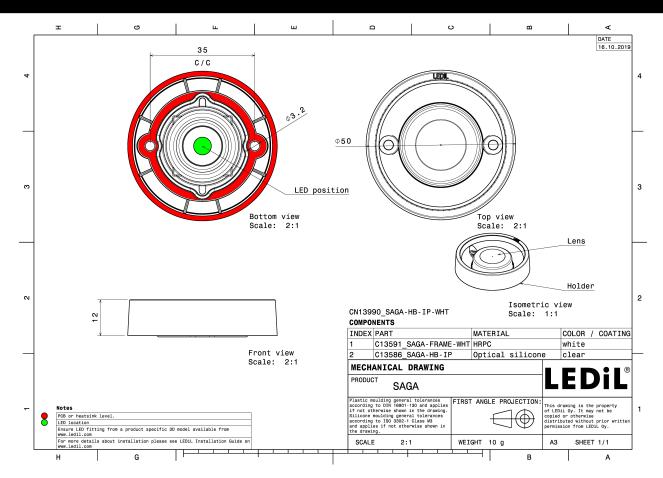


PRODUCT DATASHEET SAGA-HB-IP-WHT

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C13586_SAGA-HB-IP » Box size: 480 x 280 x 300 mm	Single lens	650	52	26	4.7
C13591_SAGA-FRAME-WHT » Box size: 480 x 280 x 300 mm	Holder	900	52	26	6.5



PRODUCT DATASHEET SAGA-HB-IP-WHT



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





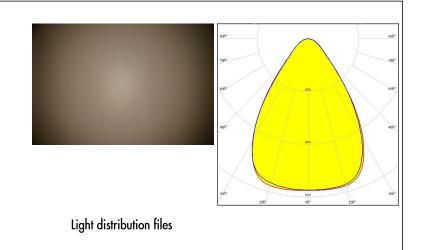
LED V10 Gen6 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 58.0° / 106.0° Efficiency 89 % Peak intensity 0.8 cd/lm LEDs/each optic Light colour/type White

Required components:



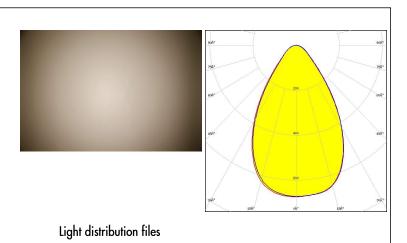
bridgelux

V6 Gen6 FWHM / FWTM 73.0° / 115.0° Efficiency 88 % Peak intensity 0.6 cd/lm LEDs/each optic Light colour/type White Required components:



bridgelux

V8 Gen6 LED $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 66.0° / 109.0° Efficiency 88 % Peak intensity 0.7 cd/lm LEDs/each optic Light colour/type White Required components:

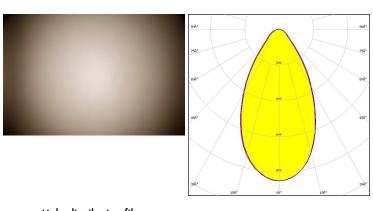


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LED VERO10 58.0° / 101.0° FWHM / FWTM Efficiency 92 % Peak intensity 0.9 cd/lm LEDs/each optic Light colour/type White Required components:

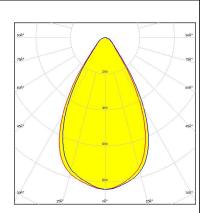


Light distribution files

CITIZEN

CLL01x FWHM / FWTM 61.0° / 93.0° Efficiency 92 % Peak intensity 0.8 cd/lm LEDs/each optic

Light colour/type White Required components:



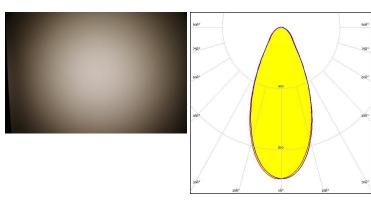
Published: 11/01/2019

Light distribution files

CITIZEN

LED CLL02x/CLU02x (LES10)

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 47.0° / 95.0° Efficiency 86 % Peak intensity 1 cd/lm LEDs/each optic Light colour/type White Required components: Bender Wirth: 434 Typ L6



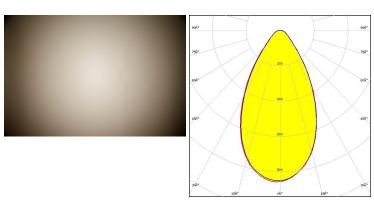
Light distribution files



CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM / FWTM 58.0° / 98.0°
Efficiency 91 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

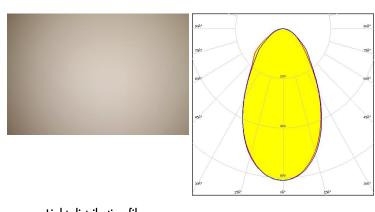
CITIZEN

LED CLL03x/CLU03x FWHM / FWTM 61.0° / 125.0° Efficiency 84 %

Peak intensity 0.6 cd/lm

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

Bender Wirth: 433 Typ L6



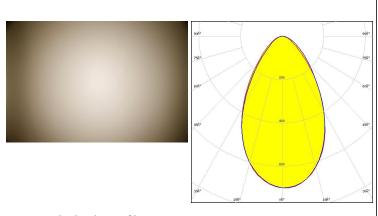
Light distribution files

CITIZEN

LED CLL03x/CLU03x FWHM / FWTM 64.0° / 116.0°

Efficiency 92 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1

Light colour/type White Required components:



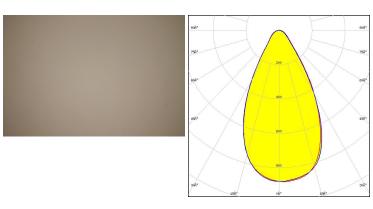
Light distribution files



CITIZEN

LED CLU700/701/702/703

56.0° / 90.0° FWHM / FWTM Efficiency 87 % Peak intensity 0.9 cd/lm LEDs/each optic Light colour/type White Required components:



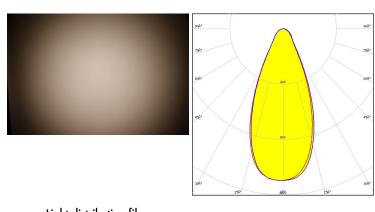
Light distribution files

CITIZEN

CLU700/701/702/703

FWHM / FWTM 46.0° / 82.0° Efficiency 86 % Peak intensity 1.1 cd/lm LEDs/each optic

Light colour/type White Required components: Bender Wirth: 434 Typ L6



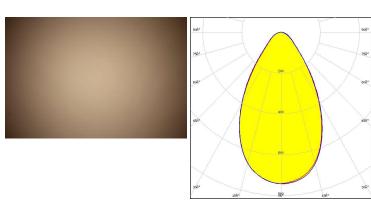
Light distribution files

CITIZEN

LED CLU710/711 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 62.0° / 107.0°

90 %

Efficiency Peak intensity 0.7 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files



CITIZEN

 LED
 CLU720/721/723

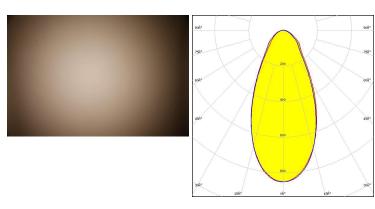
 FWHM / FWTM
 50.0° / 109.0°

 Efficiency
 85 %

 Peak intensity
 0.9 cd/lm

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

Bender Wirth: 433 Typ L6



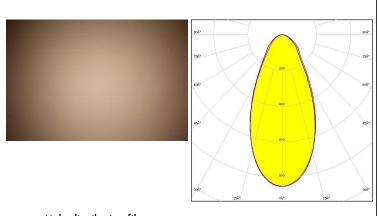
Light distribution files

CITIZEN

LED CLU720/721/723 FWHM / FWTM 61.0° / 113.0°

Efficiency 89 %
Peak intensity 0.7 cd/lm

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



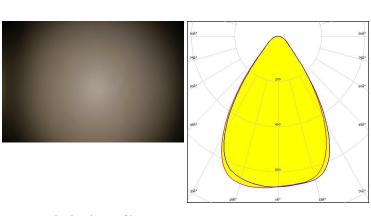
Light distribution files

CREE \$

LED CXA/B 13xx FWHM / FWTM 70.0° / 104.0°

Efficiency 92 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1

Light colour/type White Required components:

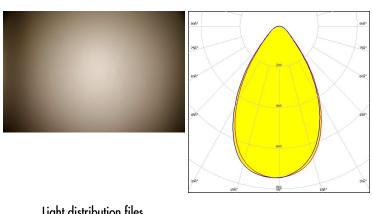


Light distribution files



CREE \$

LED CXA/B 15xx 64.0° / 104.0° FWHM / FWTM Efficiency 92 % Peak intensity 0.8 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files

CREE \$

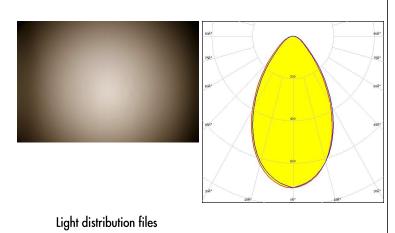
CXA/B 15xx FWHM / FWTM 64.0° / 102.0° Efficiency 90 % Peak intensity 0.8 cd/lm LEDs/each optic Light colour/type White Required components:

Light distribution files

CREE \$

LED CXA/B 1816 & CXA/B 1820 & CXA 1850

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 63.0° / 111.0° Efficiency 90 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour/type White Required components:





CREE \$

 LED
 MHD-E/G

 FWHM / FWTM
 60.0° / 105.0°

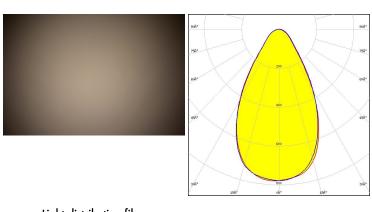
 Efficiency
 90 %

 Peak intensity
 0.8 cd/lm

 LEDs/each optic
 1

 Light colour/type
 White

 Required components:



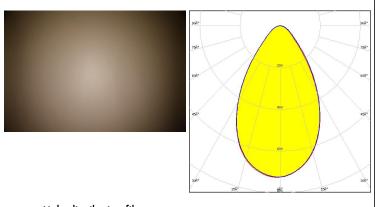
Light distribution files

UMILEDS

LED LUXEON CoB 1202/1203

FWHM / FWTM 63.0° / 108.0°
Efficiency 89 %
Peak intensity 0.7 cd/lm

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



Light distribution files

DESCRIPTION

LED LUXEON CoB 1202s FWHM / FWTM 67.0° / 106.0°

Efficiency 90 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



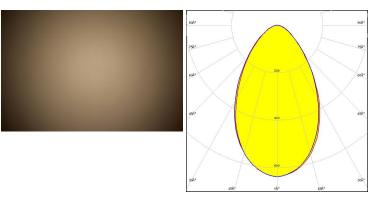




LED CxM-14 (19x19) FWHM / FWTM 66.0° / 121.0°

Efficiency 88 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

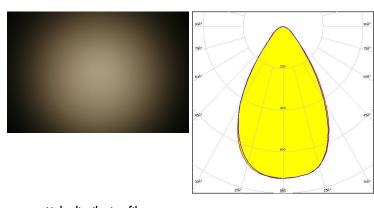


LED CxM-6 (12x13) FWHM / FWTM 66.0° / 104.0°

Efficiency 89 %
Peak intensity 0.7 cd/lm

LEDs/each optic 1
Light colour/type White

Required components:



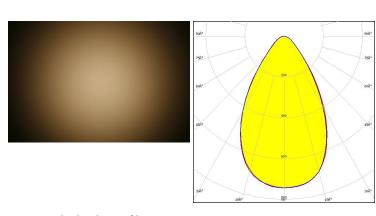
Light distribution files



LED CXM-7 (13x13) FWHM / FWTM 64.0° / 105.0°

Efficiency 89 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1

Light colour/type White Required components:



Light distribution files

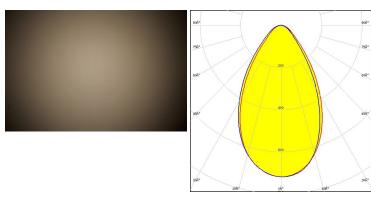




CxM-9 (13.5x13.5) 63.0° / 109.0° FWHM / FWTM

Efficiency 88 % Peak intensity 0.7 cd/lm LEDs/each optic White Light colour/type

Required components:



Light distribution files

OSRAM Opto Semiconductors

Duris S10 FWHM / FWTM 74.0° / 106.0°

Efficiency 91 % Peak intensity 0.7 cd/lm

LEDs/each optic Light colour/type White

Required components:

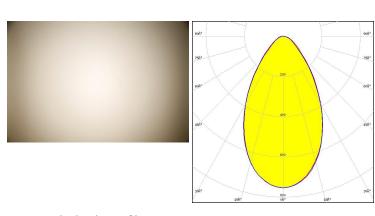


OSRAM

LED Soleriq S13 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 61.0° / 110.0°

Efficiency 91 % Peak intensity 0.8 cd/lm LEDs/each optic 1

Light colour/type White Required components:



Light distribution files





SHARP

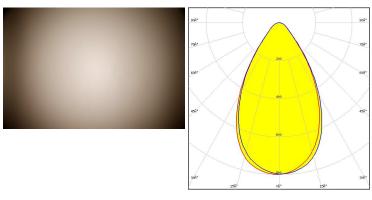
LED Mini Zenigata (GW6BM)

 FWHM / FWTM
 62.0° / 100.0°

 Efficiency
 92 %

 Peak intensity
 0.8 cd/lm

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



Light distribution files



OPTICAL RESULTS (SIMULATED):



LED LUXEON CoB Compact

FWHM / FWTM 67.0° / 106.0°

Efficiency 90 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour/type White

ELUMINUS

Required components:

 LED
 CxM-14 (19x19)

 FWHM / FWTM
 61.0° / 125.0°

 Efficiency
 84 %

Peak intensity 0.6 cd/lm LEDs/each optic 1

Light colour/type White

Required components:

Bender Wirth: 433 Typ L6

ELUMINUS

LED CxM-9 (13.5x13.5)

FWHM / FWTM 47.0° / 95.0°

Efficiency 86 %

Peak intensity 1 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

Bender Wirth: 434 Typ L6



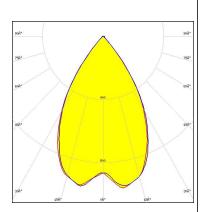
OPTICAL RESULTS (SIMULATED):

WNICHIA

LFD COB S-Type (LES 7)

FWHM / FWTM 64.0° / 84.0° Efficiency 95 % Peak intensity 1 cd/lm LEDs/each optic Light colour/type White

Required components:



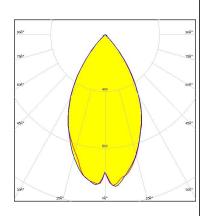
Light distribution files

OSRAM Opto Semiconductore

LFD Soleriq S9 56.0° / 87.0° FWHM / FWTM Efficiency 93 % Peak intensity 1.1 cd/lm LEDs/each optic 1

White

Light colour/type Required components:



Light distribution files

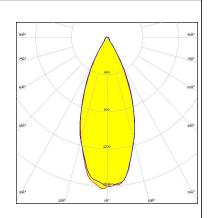
SAMSUNG

LC020C FWHM / FWTM 42.0° / 66.0° Efficiency 87 % Peak intensity 1.6 cd/lm LEDs/each optic

Light colour/type White

Required components:

Bender Wirth: 479 Typ L6



Light distribution files



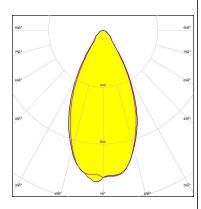
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC040C
FWHM / FWTM 51.0° / 81.0°
Efficiency 87 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

Bender Wirth: 480 Typ L6



Light distribution files



LED ZC12/18
FWHM / FWTM 61.0° / 125.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1

Light colour/type White

Required components:

Bender Wirth: 433 Typ L6



LED

FWHM / FWTM 47.0° / 95.0°

ZC4/6

Efficiency 86 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

Bender Wirth: 434 Typ L6

Published: 11/01/2019



PRODUCT DATASHEET SAGA-HB-IP-WHT

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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