

## **PRODUCT** CN13990\_SAGA-HB-IP-WHT

## SAGA-HB-IP-WHT

~60° high bay beam

### **TECHNICAL SPECIFICATIONS:**

Ø 50.0 mm **Dimensions** Height 12 mm Fastening screw Ingress protection classes **IP67 ROHS** compliant yes 🕕



### **MATERIAL SPECIFICATIONS:**

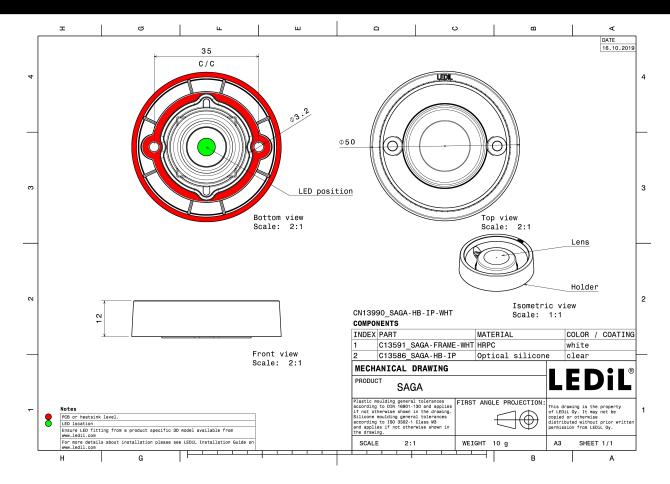
Material Colour **Finish** Component **Type** SAGA-HB-IP Silicone Single lens clear **HRPC** SAGA-FRAME-WHT Holder white

### **ORDERING INFORMATION:**

Component Qty in box MOQ MPQ Box weight (kg) CN13990\_SAGA-HB-IP-WHT Single lens 520 26 0.0

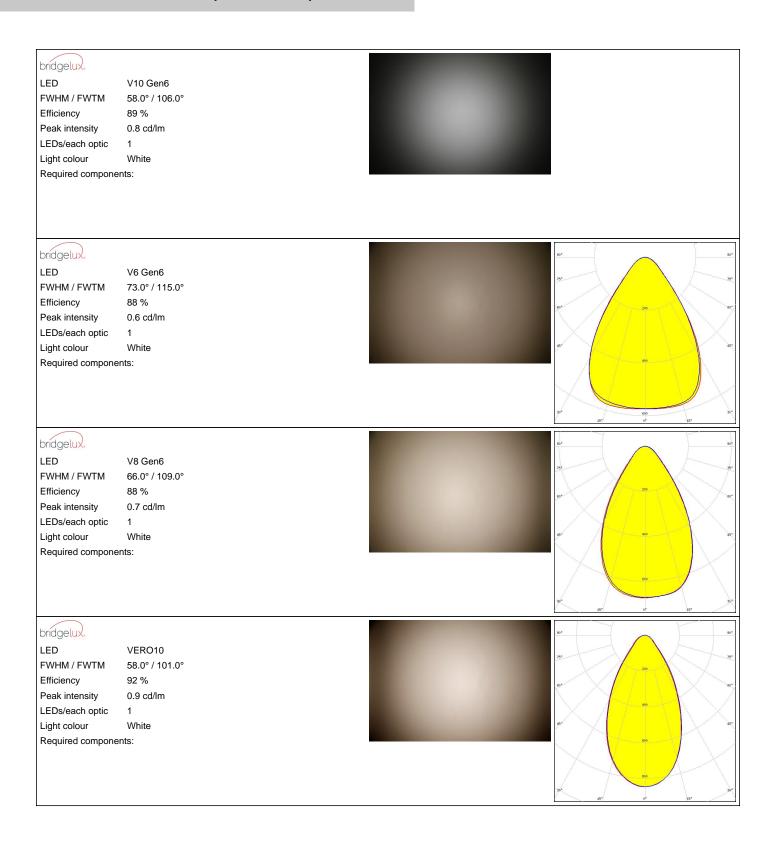
» Box size: 480 x 280 x 300 mm

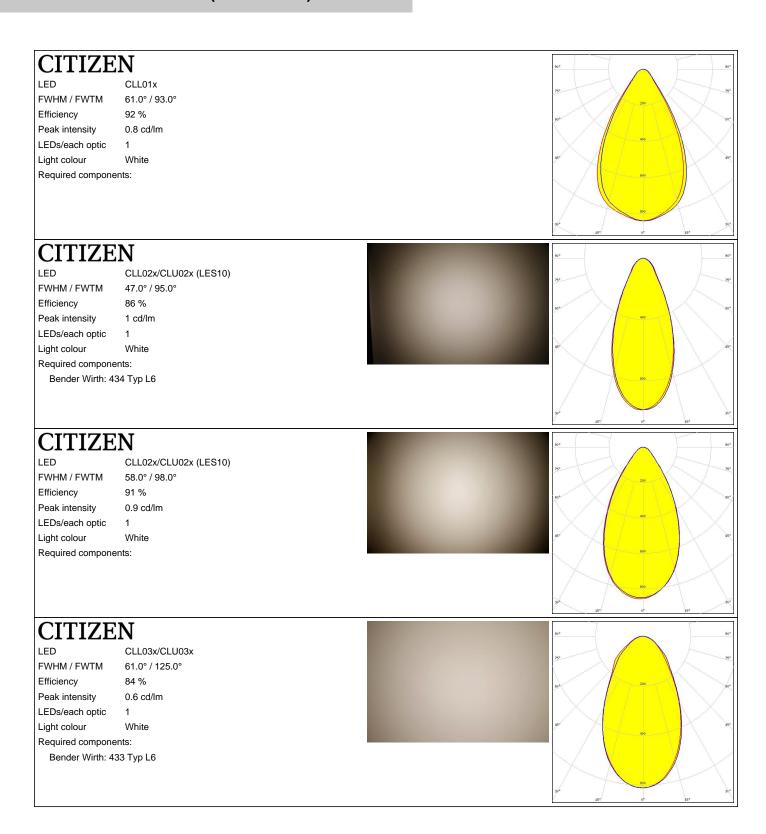


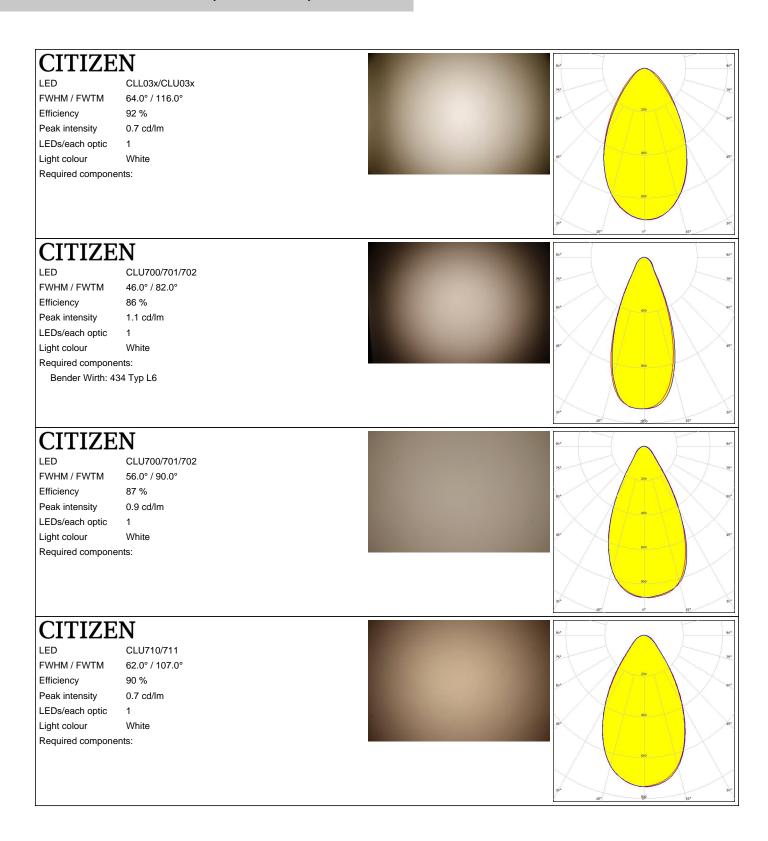


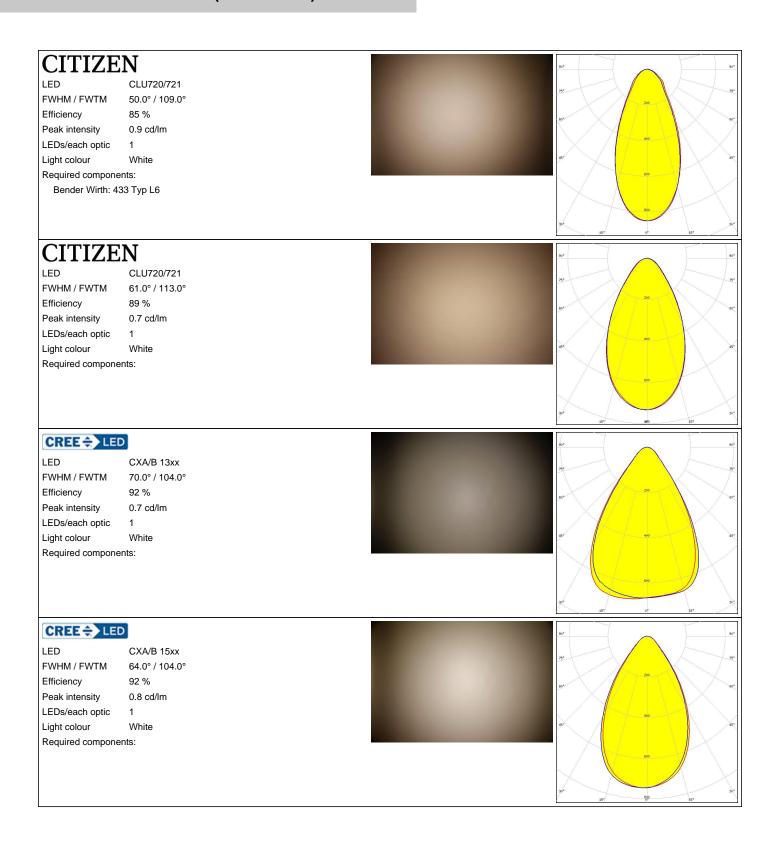
See also our general installation guide: www.ledil.com/installation\_guide

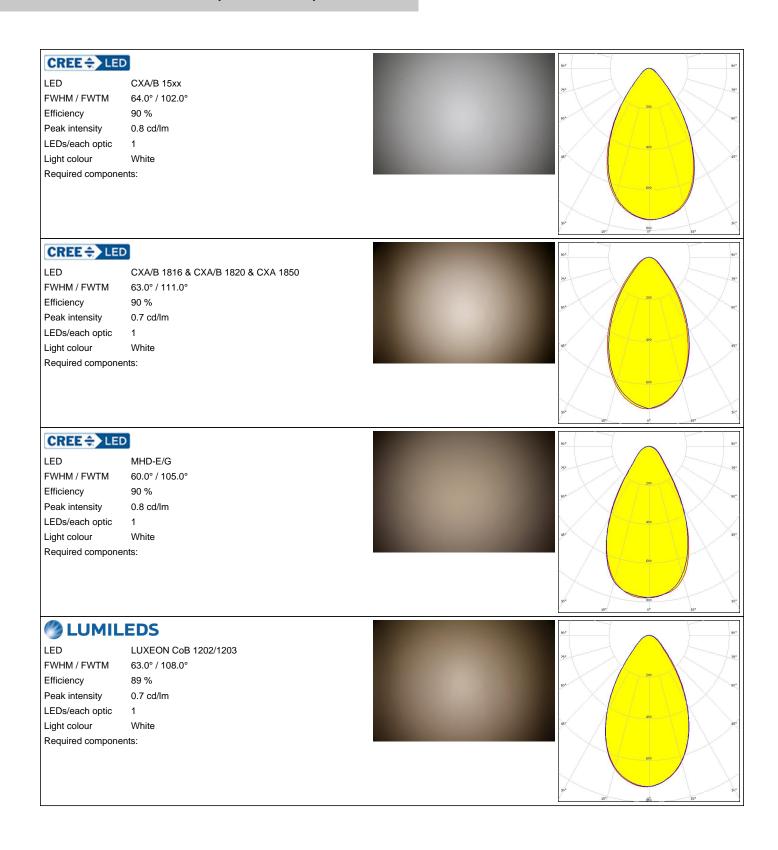
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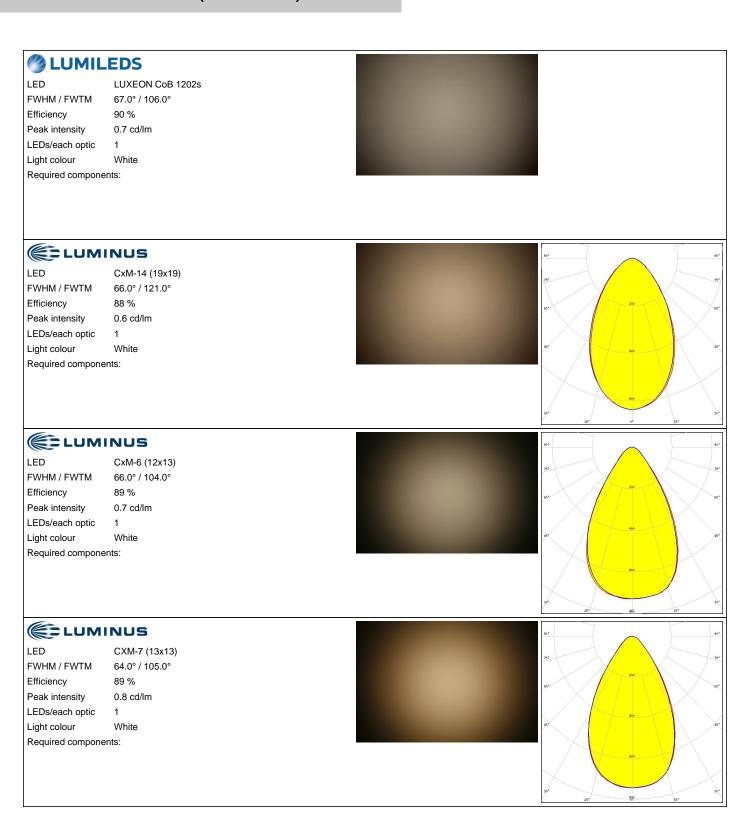


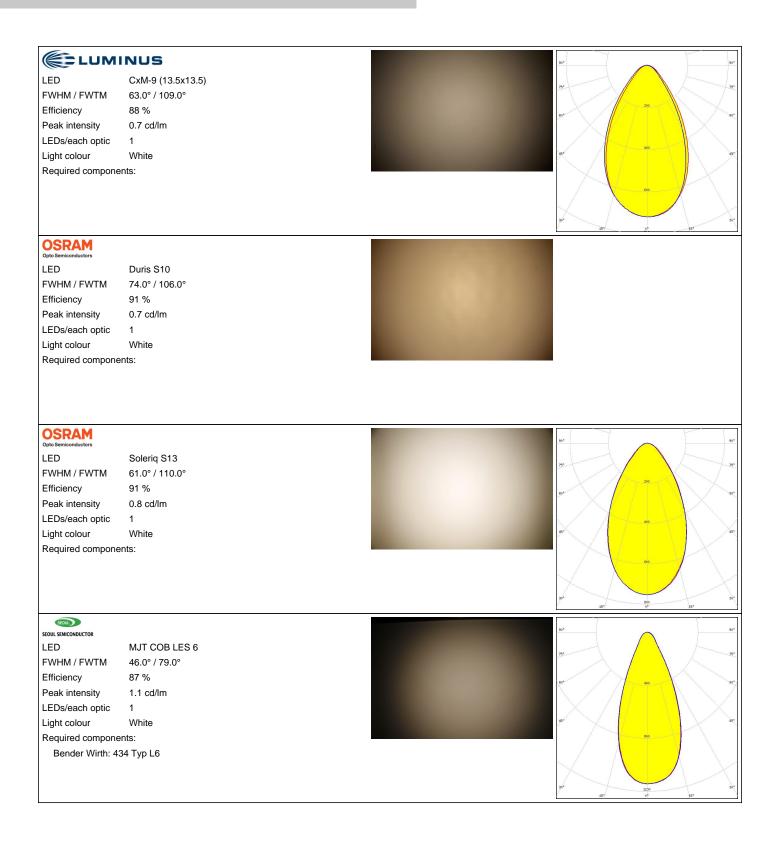








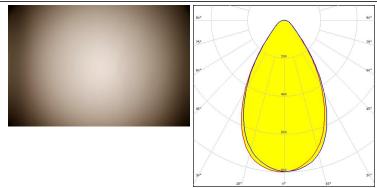




## PHOTOMETRIC DATA (MEASURED):



Efficiency 92 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



## PHOTOMETRIC DATA (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 White

## LUMINUS

Required components:

 LED
 CxM-14 (19x19)

 FWHM / FWTM
 61.0° / 125.0°

 Efficiency
 84 %

 Peak intensity
 0.6 cd/lm

 LEDs/each optic
 1

LEDs/each optic 1
Light colour White

Required components: Bender Wirth: 433 Typ L6

## LUMINUS

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 White

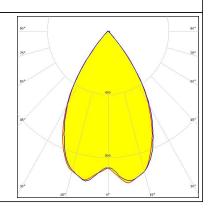
Required components: Bender Wirth: 434 Typ L6

## **WNICHIA**

LED COB S-Type (LES 7)

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

Required components:



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## PHOTOMETRIC DATA (SIMULATED):

### **OSRAM**

Light colour

 LED
 Soleriq S9

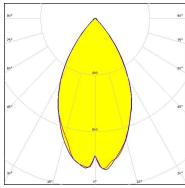
 FWHM / FWTM
 56.0° / 87.0°

 Efficiency
 93 %

Peak intensity 1.1 cd/lm LEDs/each optic 1

White

Required components:

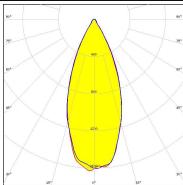


## **SAMSUNG**

LED LC020C FWHM / FWTM 42.0° / 66.0° Efficiency 87 %

Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White

Required components: Bender Wirth: 479 Typ L6



## **SAMSUNG**

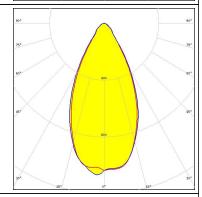
 LED
 LC040C

 FWHM / FWTM
 51.0° / 81.0°

 Efficiency
 87 %

Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White

Required components: Bender Wirth: 480 Typ L6



## SEOUL SEMICONDUCTOR

LED ZC12/18

FWHM / FWTM 61.0° / 125.0° Efficiency 84 %

Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components: Bender Wirth: 433 Typ L6



## PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTO

 LED
 ZC4/6

 FWHM / FWTM
 47.0° / 95.0°

 Efficiency
 86 %

 Peak intensity
 1 cd/lm

LEDs/each optic 1
Light colour White

Required components: Bender Wirth: 434 Typ L6



#### **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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