

SAGA-HB-IP-WHT

~60° high bay beam

TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

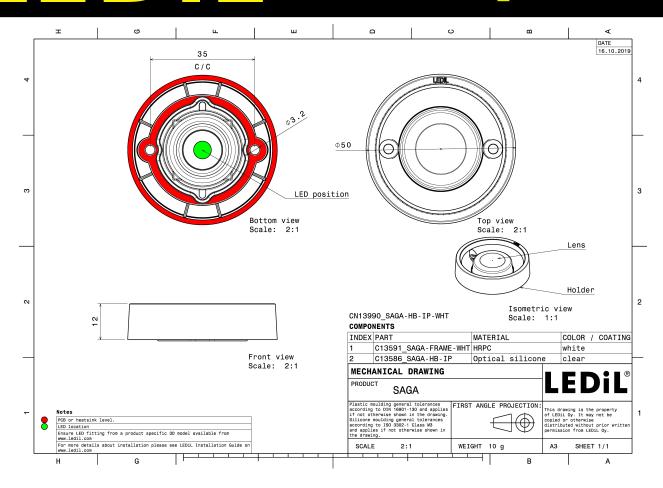
Component SAGA-HB-IP SAGA-FRAME-WHT

Type Single lens Holder

Material	Colour	Finish
Silicone	clear	
HRPC	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					



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



bridgelux.		
LED	V10 Gen6	
FWHM / FWTM	58.0° / 106.0°	
Efficiency	89 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer		
bridgelux.		90 ⁴
LED	V6 Gen6	
FWHM / FWTM	73.0° / 115.0°	
Efficiency	88 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	\times // / \times X
Light colour	White	42× 42×
Required componer		400
		36° 600 36° 36°
bridgelux.		 50°
LED	V8 Gen6	
FWHM / FWTM	66.0° / 109.0°	73
Efficiency	88 %	200
		60°
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	an 400 are
Light colour	White	
Required componer	115:	
		30° 35° 35°
bridgelux.		50° 30°
	VER010	75'
FWHM / FWTM	58.0° / 101.0°	200
Efficiency	92 %	50° × 50°
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	X / X
Light colour	White	à, di
Required componer	nts:	
		800
		200 342



CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL01x 61.0° / 93.0° 92 % 0.8 cd/lm 1 White	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4	CLL02x/CLU02x (LES10) 47.0° / 95.0° 86 % 1 cd/lm 1 White ents:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL02x/CLU02x (LES10) 58.0° / 98.0° 91 % 0.9 cd/lm 1 White	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4	CLL03x/CLU03x 61.0° / 125.0° 84 % 0.6 cd/lm 1 White ents:	



CITIZE	N	90* 90*
LED	CLL03x/CLU03x	
FWHM / FWTM	64.0° / 116.0°	73*
Efficiency	92 %	200
Peak intensity	0.7 cd/lm	50+
LEDs/each optic	1	
Light colour	White	400 45*
Required compone		
		30° 15° 0° 15°
CITIZE	N	904 904
LED	CLU700/701/702	
FWHM / FWTM	46.0° / 82.0°	75*
Efficiency	86 %	
Peak intensity	1.1 cd/lm	60*
LEDs/each optic	1	
Light colour	White	e*
Required compone		
Bender Wirth: 4		
Bender Wirth. 4		
		30° 30° 30°
CITIZE	N	90°
LED	CLU700/701/702	
FWHM / FWTM	56.0° / 90.0°	75*
Efficiency	87 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	400
Light colour	White	g
Required compone		
	5113.	
		800
		30° 35° 35°
CITIZE	'N	90° 90°
	CLU710/711	75' 75'
FWHM / FWTM	62.0° / 107.0° 90 %	
Efficiency		60*
Peak intensity	0.7 cd/lm	
LEDs/each optic	1 White	460
Light colour	White	
Required compone	5110 .	
		30° 30° 30°



CITIZE	^C N	30*	90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4	CLU720/721 50.0° / 109.0° 85 % 0.9 cd/lm 1 White ents:		12 92 92
CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU720/721 61.0° / 113.0° 89 % 0.7 cd/lm 1 White		997 997 997 997 997 997 997 997 997 997
CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 13xx 70.0° / 104.0° 92 % 0.7 cd/lm 1 White		10 6 6 7 90
CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 15xx 64.0° / 104.0° 92 % 0.8 cd/lm 1 White		99°



CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 15xx 64.0° / 102.0° 90 % 0.8 cd/lm 1 White	
CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CXA/B 1816 & CXA/B 1820 & CXA 1850 63.0° / 111.0° 90 % 0.7 cd/lm 1 White	
Required compone		
Efficiency Peak intensity LEDs/each optic Light colour Required compone	90 % 0.8 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity	EDS LUXEON CoB 1202/1203 63.0° / 108.0° 89 % 0.7 cd/lm	
LEDs/each optic Light colour Required compone	1 White	



.EDS	
LUXEON CoB 1202s 67.0° / 106.0° 90 % 0.7 cd/lm 1 White	
лн э .	
INUS	39 ²
CxM-14 (19x19) 66.0° / 121.0° 88 % 0.6 cd/lm 1 White ents:	
CxM-6 (12x13) 66.0° / 104.0° 89 % 0.7 cd/lm 1 White ents:	
CXM-7 (13x13) 64.0° / 105.0° 89 % 0.8 cd/lm 1 White ents:	
	LUXEON CoB 1202s 67.0° / 106.0° 90 % 0.7 cd/lm 1 White ents:



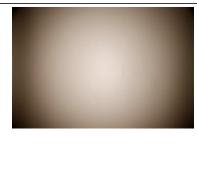
ELUM	INUS	50'
LED	CxM-9 (13.5x13.5)	
FWHM / FWTM	63.0° / 109.0°	
Efficiency	88 %	69°
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		30° 30 35 50 50
OSRAM Opto Semiconductors		
LED	Duris S10	
FWHM / FWTM	74.0° / 106.0°	
Efficiency	91 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
OSRAM Opto Semiconductors	Soleria S13	504
LED	Soleriq S13 61.0° / 110.0°	
LED FWHM / FWTM	61.0° / 110.0°	
LED FWHM / FWTM Efficiency	61.0° / 110.0° 91 %	
LED FWHM / FWTM Efficiency Peak intensity	61.0° / 110.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	61.0° / 110.0° 91 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	61.0° / 110.0° 91 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	61.0° / 110.0° 91 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	61.0° / 110.0° 91 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	61.0° / 110.0° 91 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	61.0° / 110.0° 91 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	61.0° / 110.0° 91 % 0.8 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	61.0° / 110.0° 91 % 0.8 cd/lm 1 White ents: MJT COB LES 6	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seout semiconductor LED FWHM / FWTM	61.0° / 110.0° 91 % 0.8 cd/lm 1 White ents: MJT COB LES 6 46.0° / 79.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone scoul semiconductor LED FWHM / FWTM Efficiency	61.0° / 110.0° 91 % 0.8 cd/lm 1 White ents: MJT COB LES 6 46.0° / 79.0° 87 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone secut semiconductor LED FWHM / FWTM Efficiency Peak intensity	61.0° / 110.0° 91 % 0.8 cd/lm 1 White ents: MJT COB LES 6 46.0° / 79.0° 87 % 1.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	61.0° / 110.0° 91 % 0.8 cd/lm 1 White ents: MJT COB LES 6 46.0° / 79.0° 87 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout stemconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	61.0° / 110.0° 91 % 0.8 cd/lm 1 White ents: MJT COB LES 6 46.0° / 79.0° 87 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	61.0° / 110.0° 91 % 0.8 cd/lm 1 White ents: MJT COB LES 6 46.0° / 79.0° 87 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	61.0° / 110.0° 91 % 0.8 cd/lm 1 White ents: MJT COB LES 6 46.0° / 79.0° 87 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout striconouctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	61.0° / 110.0° 91 % 0.8 cd/lm 1 White ents: MJT COB LES 6 46.0° / 79.0° 87 % 1.1 cd/lm 1 White ents:	

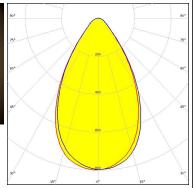


SHARP

LED
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic
Light colour
Required compon

Mini Zenigata (GW6BM) 62.0° / 100.0° 92 % 0.8 cd/lm 1 White nents:







PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

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
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	White
Required components:	
Bender Wirth: 433 Typ	5 L6

 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

LED NCSU334A FWHM / FWTM 62.0° / 70.0° Efficiency 76 % LEDs/each optic 1 Light colour UV-C Required components: The UVC LED result tolerance is ±10 %



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		50°
LED	Soleriq S9	
FWHM / FWTM	56.0° / 87.0°	75
Efficiency	93 %	
Peak intensity	1.1 cd/lm	60°-
LEDs/each optic	1	
Light colour	White	gar / / / /
Required components:	·······	
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
		30°
		30 15° 0° 15°
SAMSUN	IG	90*
LED	LC020C	
FWHM / FWTM	42.0° / 66.0°	75
Efficiency	87 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	g.
Required components:		1200
Bender Wirth: 479 Ty	rp L6	
		30*
		15° 0° 15°
SAMSUN	IG	90*
LED	LC040C	
FWHM / FWTM	51.0° / 81.0°	
Efficiency	87 %	
Peak intensity	1.1 cd/lm	400
LEDs/each optic	1	
Light colour	White	gr e
Required components:		
Bender Wirth: 480 Ty	rp L6	
		30.
SEOUL		15° 0° 15°
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 Ty	rp L6	



#### PHOTOMETRIC DATA (SIMULATED):

SEOUL	
SEOUL SEMICONDUCTOR	
LED	ZC4/6
FWHM / FWTM	47.0° / 95.0°
Efficiency	86 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required component	s:
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:

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