

STELLA-FRESNEL

~25° street beam for warehouse and outdoor lighting. Compatible with up to 30 mm LES size COBs. Variant with white frame.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	23 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



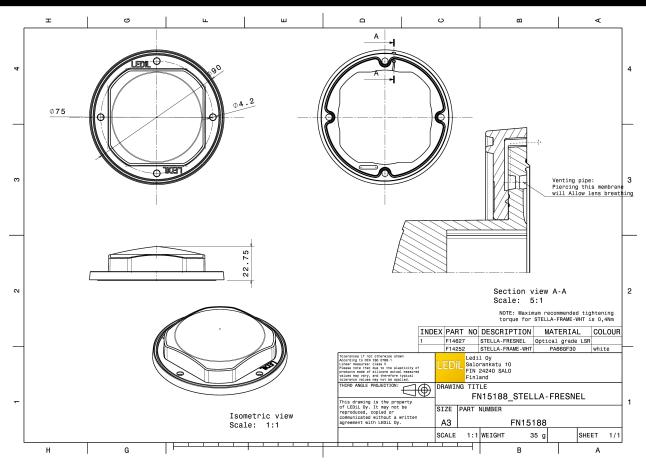
MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
STELLA-FRESNEL	Single lens	Silicone	clear	
STELLA-FRAME-WHT	Holder	PA66	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN15188_STELLA-FRESNEL	Single lens	135	135	15	6.1
» Box size: 480 x 280 x 300 mm					





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



bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43		30, 30, 21, 31, 32, 34, 400 400 400 51, 51, 51, 51, 51, 51, 51, 51,
bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Vero SE 18 32.0° / 76.0° 88 % 1.3 cd/lm 1 White hts:	51 ⁻ 51 ⁻ 5
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	VERO18 32.0° / 76.0° 88 % 1.2 cd/m 1 White	200 200 200 200 200 200 200 200
Required compone		25- 26- 26- 26- 26- 26- 26- 26- 26- 26- 26
Efficiency Peak intensity LEDs/each optic Light colour Required compone	1.1 cd/lm 1 White	gr er er



	1	3 5 ¹ 3 5
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM / FWTM	24.0° / 59.0°	73 400
Efficiency	86 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	er a
Required componer	nts:	
		500 A
		215' 800 15'
		90 ⁴ 90
LED	CXA/B 25xx	
FWHM / FWTM	32.0° / 77.0°	
Efficiency	87 %	
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	gr
Required componer		
Bender Wirth: 43	9 Typ L3	
		1200
		30* 30
		90 ⁴ 90
	CXA/B 25xx	
LED		
LED FWHM / FWTM		27
FWHM / FWTM	31.0° / 75.0° 86 %	
FWHM / FWTM Efficiency	31.0° / 75.0°	90°
FWHM / FWTM Efficiency Peak intensity	31.0° / 75.0° 86 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	31.0° / 75.0° 86 % 1.2 cd/lm	
FWHM / FWTM Efficiency Peak intensity	31.0° / 75.0° 86 % 1.2 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	31.0° / 75.0° 86 % 1.2 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	31.0° / 75.0° 86 % 1.2 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	31.0° / 75.0° 86 % 1.2 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	31.0° / 75.0° 86 % 1.2 cd/lm 1 White hts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	31.0° / 75.0° 86 % 1.2 cd/lm 1 White hts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	31.0° / 75.0° 86 % 1.2 cd/lm 1 White hts: EDS LUXEON CoB 1216/1812	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	31.0° / 75.0° 86 % 1.2 cd/lm 1 White hts: EDS LUXEON CoB 1216/1812 39.0° / 86.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	31.0° / 75.0° 86 % 1.2 cd/lm 1 White hts: EDS LUXEON CoB 1216/1812 39.0° / 86.0° 86 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Equired componer Component Required componer Efficiency Peak intensity	31.0° / 75.0° 86 % 1.2 cd/lm 1 White hts: EDS LUXEON CoB 1216/1812 39.0° / 86.0° 86 % 0.9 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Equired componer Component Equired component Component Efficiency Peak intensity LEDs/each optic	31.0° / 75.0° 86 % 1.2 cd/lm 1 White hts: EDS LUXEON CoB 1216/1812 39.0° / 86.0° 86 % 0.9 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Colour Required componer ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	31.0° / 75.0° 86 % 1.2 cd/lm 1 White hts: EDS LUXEON CoB 1216/1812 39.0° / 86.0° 86 % 0.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Equired componer Component Required componer Required componer	31.0° / 75.0° 86 % 1.2 cd/lm 1 White hts: EDS LUXEON CoB 1216/1812 39.0° / 86.0° 86 % 0.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Colour Required componer Efficiency Peak intensity LEDs/each optic Light colour	31.0° / 75.0° 86 % 1.2 cd/lm 1 White hts: EDS LUXEON CoB 1216/1812 39.0° / 86.0° 86 % 0.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Colour Required componer Efficiency Peak intensity LEDs/each optic Light colour	31.0° / 75.0° 86 % 1.2 cd/lm 1 White hts: EDS LUXEON CoB 1216/1812 39.0° / 86.0° 86 % 0.9 cd/lm 1 White	



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(C LUM	INUS	90° 90°
LED	CxM-22 (28x28)	
FWHM / FWTM	39.0° / 137.0°	27
Efficiency	88 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	er
Required compone	ents:	
Bender Wirth: 4	31 Typ L3	
		30 ⁴ 70 ⁷ 20 ⁰⁰ 70 ⁴
ØNICHI/	\	20 ⁴ 20 ⁵
LED	COB J-Type	
FWHM / FWTM	26.0° / 66.0°	
Efficiency	87 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	er de la companya de
Required compone		
	5110.	
		30" 30" 12" 0 ^h 15"
PHILI	PS	20.*
LED	Fortimo SLM L19 CoB	
FWHM / FWTM	31.0° / 71.0°	
Efficiency	87 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	o ^r 0 ⁹⁰ o ^r
Required compone	ents:	
Bender Wirth: 4		
		120
		30*
PHILI	DS	90 ⁴ 90 ⁹
	Fortimo SLM L23 CoB	
FWHM / FWTM	35.0° / 114.0°	
Efficiency	87 %	60 60
Peak intensity	1.1 cd/lm	
LEDs/each optic	1 W/bito	
Light colour	White	
Required compone		
Bender Wirth: 4	31 Typ ∠1	
		\times / \checkmark \times
		set .
		15° 1890 45°



SVWSI		×* 7
LED	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	28.0° / 67.0°	
Efficiency	86 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	er la
Required compone	nts:	229
		*et *** 'et **
SVWSI		×.
LED	LC040D / LC060D / LC080D	
FWHM / FWTM	38.0° / 122.0°	
Efficiency	86 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
		30' 100 100
SECUL		30*
LED	MJT COB LES 14.5	7
FWHM / FWTM	28.0° / 68.0°	25
Efficiency	86 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
	White	
Light colour		
	nts:	
Light colour Required compone	nts:	
Light colour Required compone	nts:	
Light colour Required compone IDEAL: 50-2103	nts:	
Light colour Required compone IDEAL: 50-2103 SEOUL SEMICONDUCTOR	nts: CT	
Light colour Required compone IDEAL: 50-2103 SEOUL SEMICONDUCTOR LED	nts: CT MJT COB LES 22	
Light colour Required compone IDEAL: 50-2103 SEOUL SEMICONDUCTOR LED FWHM / FWTM	nts: CT MJT COB LES 22 36.0° / 120.0°	90° 15° 1600 15°
Light colour Required compone IDEAL: 50-2103 SEOUS SEMICONDUCTOR LED FWHM / FWTM Efficiency	nts: CT MJT COB LES 22 36.0° / 120.0° 87 %	90° 15° 1600 15°
Light colour Required compone IDEAL: 50-2103 SEQUE SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	nts: CT MJT COB LES 22 36.0° / 120.0° 87 % 1 cd/lm	30° 10 ⁷ 100 12 ⁷
Light colour Required compone IDEAL: 50-2103	nts: CT MJT COB LES 22 36.0° / 120.0° 87 % 1 cd/lm 1	30° 10 ⁷ 100 12 ⁷
Light colour Required compone IDEAL: 50-2103 SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	nts: CT MJT COB LES 22 36.0° / 120.0° 87 % 1 cd/lm 1 White	30° 10 ⁷ 100 12 ⁷
Light colour Required compone IDEAL: 50-2103 SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	nts: CT MJT COB LES 22 36.0° / 120.0° 87 % 1 cd/lm 1 White nts:	30° 10 [°] 10 [°] 10 [°] 10 [°]
Light colour Required compone IDEAL: 50-2103 SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	nts: CT MJT COB LES 22 36.0° / 120.0° 87 % 1 cd/lm 1 White nts:	30° 10 ⁷ 100 12 ⁷
Light colour Required compone IDEAL: 50-2103 SECOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	nts: CT MJT COB LES 22 36.0° / 120.0° 87 % 1 cd/lm 1 White nts:	30° 10 ⁷ 100 12 ⁷



PHOTOMETRIC DATA (SIMULATED):

bridgelux. LED FWHM / FWTM	V10 Gen7 17.0° / 31.0°	90°
Efficiency	85 %	60° 60°
Peak intensity	4.8 cd/lm	
LEDs/each optic	1	
Light colour	White	20 J 2200 J
Required components:		
Bender Wirth: 486 Ty	ρLI	30" 30" 30"
bridgelux.		55° 55°
LED	V18 Gen7	
FWHM / FWTM	26.0° / 57.0°	23°
Efficiency	85 %	
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	6 ¹ 1230 6 ¹
Required components:		
BJB: 47.319.2350		1600
		\times / \times / \times
		30° 305 30°
		15° 0° 15°
bridgelux.		90° 90°
LED	V22 Gen7	
FWHM / FWTM	30.0° / 70.0°	2.
Efficiency	84 %	400
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	gr
Required components:		
IDEAL: 50-2204CT		1200
		36° 3630 36°
		135 ⁶ 0 ⁶ 35 ⁵
		90°
LED	LUXEON CoB 1208	73"
FWHM / FWTM	22.0° / 43.0°	
Efficiency	85 %	60°
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	g*
Light colour	White	\mathbb{K} / / \mathbb{N} \mathbb{N}
Required components:		
		200
1		
		30° 15° 0° 15° 30°



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.

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