

PRODUCT DATASHEET F15596_JENNY-FT45

JENNY-FT45

Forward throwing beam with peak in 45°

SPECIFICATION:

Dimensions	35.0 x 35.0 mm
Height	20.7 mm
Fastening	pin
ROHS compliant	yes 🛈



MATERIALS:

Component JENNY-FT45 **Type** Single lens

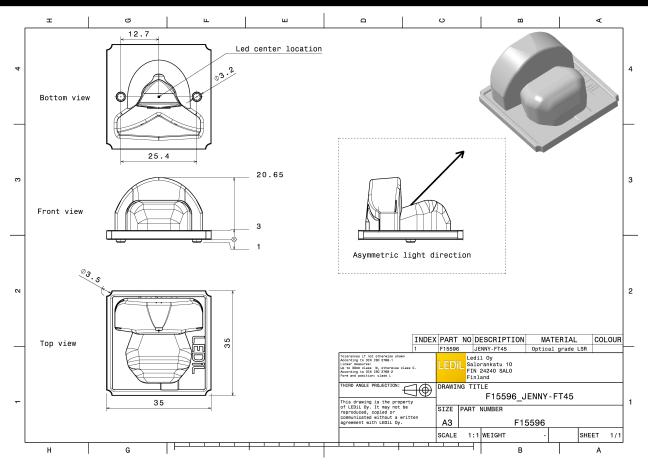
Material	Colour	Finish
Silicone	clear	

ORDERING INFORMATION:

Component
F15596_JENNY-FT45
» Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
840	120	60	8.0

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



LEDS	MHD-E/G	50°
FWHM / FWTM	Asymmetric	730 770
	91 %	
Efficiency	0.9 cd/lm	50* 400 50*
Peak intensity		500 ×
LEDs/each optic	1	
Light colour	White	45* 200 45*
Required components:		1000
C14436_JENNY-HL	D-A-BLK	
		1200
		30° 15 ⁵ 1480 15° 30°
		THY EFT
		90 ⁴
LED	MK-R2	750 750
FWHM / FWTM	Asymmetric	
Efficiency	91 %	50*
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	45' 45'
Required components:		1000
C14436_JENNY-HL	D-A-BLK	1230
		1400
		30* 30*
		90* 90*
LED	XHP50	
FWHM / FWTM	Asymmetric	770
Efficiency	91 %	400
Peak intensity	1.1 cd/lm	6 ³ * 6 ⁶ *
LEDs/each optic		
1	1	
Light colour	1 White	6; <u>86</u>
Light colour Required components:	White	40°
	White	57 <u>60</u> 179
Required components:	White	65 <u>60</u> 1079
Required components:	White	e
Required components: C14436_JENNY-HL	White	60° 60° 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
Required components: C14436_JENNY-HL	White	
Required components: C14436_JENNY-HL	White D-A-BLK	
Required components: C14436_JENNY-HL	White D-A-BLK XHP50.3 HD	90 90 90 90 90 90 90 90 90 90
Required components: C14436_JENNY-HL CTEE LED FWHM / FWTM	White D-A-BLK XHP50.3 HD Asymmetric	
Required components: C14436_JENNY-HL CTEE LED FWHM / FWTM Efficiency	White D-A-BLK XHP50.3 HD Asymmetric 96 %	
Required components: C14436_JENNY-HL CREE LED FWHM / FWTM Efficiency Peak intensity	White D-A-BLK XHP50.3 HD Asymmetric 96 % 1.1 cd/lm	
Required components: C14436_JENNY-HL CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White D-A-BLK XHP50.3 HD Asymmetric 96 % 1.1 cd/lm 1	
Required components: C14436_JENNY-HL CTEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White D-A-BLK XHP50.3 HD Asymmetric 96 % 1.1 cd/lm 1 White	
Required components: C14436_JENNY-HL CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White D-A-BLK XHP50.3 HD Asymmetric 96 % 1.1 cd/lm 1 White	
Required components: C14436_JENNY-HL CTEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White D-A-BLK XHP50.3 HD Asymmetric 96 % 1.1 cd/lm 1 White	
Required components: C14436_JENNY-HL CTEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White D-A-BLK XHP50.3 HD Asymmetric 96 % 1.1 cd/lm 1 White	
Required components: C14436_JENNY-HL CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White D-A-BLK XHP50.3 HD Asymmetric 96 % 1.1 cd/lm 1 White	



		90° 90°
	XHP50.3 HI	750 770
FWHM / FWTM	Asymmetric	400
Efficiency	97 %	664 601.
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	800
Light colour	White	45*
Required components:		\times
		1290
		\times / \setminus \times
		30° 15° 1600 15° 30°
	V/UD70	\$0° \$0°
	XHP70	
FWHM / FWTM	Asymmetric	
Efficiency	90 %	.604 604
Peak intensity	0.9 cd/lm	X
LEDs/each optic	1	
Light colour	White	(§*) (§*)
Required components:		1000
C14436_JENNY-HLE	J-A-BLK	1200
		30* 1490 30* 15 ³ 0 ⁶ 15 ⁵ 30 ⁴
CREE 🚖		
		99
LED	XHP70.2	
LED FWHM / FWTM	Asymmetric	99° 73° 90°
LED FWHM / FWTM Efficiency	Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.8 cd/lm 1	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.8 cd/lm 1 White	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.8 cd/lm 1 White XHP70.3 HD	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED ED FWHM / FWTM	Asymmetric 94 % 0.8 cd/lm 1 White XHP70.3 HD Asymmetric	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.8 cd/lm 1 White XHP70.3 HD Asymmetric 95 %	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.8 cd/lm 1 White XHP70.3 HD Asymmetric 95 % 0.9 cd/lm	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White XHP70.3 HD Asymmetric 95 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White XHP70.3 HD Asymmetric 95 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White XHP70.3 HD Asymmetric 95 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White XHP70.3 HD Asymmetric 95 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White XHP70.3 HD Asymmetric 95 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White XHP70.3 HD Asymmetric 95 % 0.9 cd/lm 1	



COMILED	IS In the second se	90* 90*
LED	LUXEON 5258	
FWHM / FWTM	Asymmetric	75%
Efficiency	92 %	400
Peak intensity	1.1 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45+ 55
Required components:		\times
C14436_JENNY-HLD	-A-BLK	1220
		\times / \setminus \times
		30* <u>1600</u> 30* 30*
	S S	90 ⁺ 90 ⁺
LED	LUXEON 7070	
FWHM / FWTM	Asymmetric	75%
Efficiency	91 %	
Peak intensity	0.9 cd/lm	***
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		000
		1000
		1230
•		130 00 100
UMILEC	DS	90* 90*
LED	LUXEON M/MX	
FWHM / FWTM	Asymmetric	750 30 770
FWHM / FWTM Efficiency	Asymmetric 92 %	20- 20- 20- 20- 20- 20- 20- 20- 20- 20-
		50
Efficiency	92 %	6 ³ 6 ³ 70 70 70 70 70 70 70 70 70 70 70 70 70
Efficiency Peak intensity	92 % 1 cd/lm	40 61 70 70 70 70 70 70 70 70 70 70 70 70 70
Efficiency Peak intensity LEDs/each optic	92 % 1 cd/lm 1	61°
Efficiency Peak intensity LEDs/each optic Light colour	92 % 1 cd/lm 1	129 129 109 109 109 109 109 109 109 10
Efficiency Peak intensity LEDs/each optic Light colour	92 % 1 cd/lm 1	40 40 100 40 40 40 40 40 40 40 40 40
Efficiency Peak intensity LEDs/each optic Light colour	92 % 1 cd/lm 1	30 00 00 00 30 40 00 00 00 00 57 00 00 00 00 50 00 00 00 00 50 00 00 00 00 50 00 00 00 00 50 00 00 00 00 50 00 00 00 00
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92 % 1 cd/lm 1 White	100
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92 % 1 cd/lm 1 White	100
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92 % 1 cd/lm 1 White S LUXEON M/MX	100
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92 % 1 cd/lm 1 White S LUXEON M/MX Asymmetric	100
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92 % 1 cd/lm 1 White S LUXEON M/MX Asymmetric 92 %	20- 109- 1
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92 % 1 cd/lm 1 White S LUXEON M/MX Asymmetric 92 % 1 cd/lm	20- 109- 1
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92 % 1 cd/lm 1 White S LUXEON M/MX Asymmetric 92 % 1 cd/lm 1	199 30 ¹ 30
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92 % 1 cd/lm 1 White S LUXEON M/MX Asymmetric 92 % 1 cd/lm	30° 109 90°
Efficiency Peak intensity LEDs/each optic Light colour Required components: WHM / Efficiency Peak intensity LEDs/each optic Light colour Required components:	92 % 1 cd/lm 1 White S LUXEON M/MX Asymmetric 92 % 1 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92 % 1 cd/lm 1 White S LUXEON M/MX Asymmetric 92 % 1 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required components: WHM / Efficiency Peak intensity LEDs/each optic Light colour Required components:	92 % 1 cd/lm 1 White S LUXEON M/MX Asymmetric 92 % 1 cd/lm 1 White	



	DS	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON MZ Asymmetric 94 % 1.2 cd/lm 1 White	
	JS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SFT-40-WCS Asymmetric 97 % 1.3 cd/lm 1 White	
	JS	20° 25 ⁵ 200 30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SFT-70X-WCS Asymmetric 97 % 1.2 cd/lm 1 White	2 ⁴ 6 ⁴ 6 ⁴ 129 6 ⁴ 129 6 ⁴ 129 6 ⁴ 129 6 ⁴ 129 129 129 129 129 129 129 129
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NFSx757G Asymmetric 96 % 1.2 cd/lm 1 White	



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Μ ΝΙCΗΙΛ		90* 90*
LED	NV4x144A	
FWHM / FWTM	Asymmetric	750 220 77
Efficiency	90 %	
Peak intensity	1 cd/lm	66*
LEDs/each optic	1	600
Light colour	White	45* 810 4
Required components:		X/TX
C14436_JENNY-HL	D-A-BI K	3000
011100_02.000101		1200
		30° 1400 30° 30° 30°
ΜΝΙCΗΙΛ		90*90
LED	NVSxE21A	
FWHM / FWTM	Asymmetric	750 770
Efficiency	94 %	400
Peak intensity	1.2 cd/lm	604 60
LEDs/each optic	4	
Light colour	White	451 890
Required components:		
- 1 1		
		\times / \times ×
		30° 15° 30°
OSRAM Opto Semiconductors		90° 90'
OSRAM Opto Semiconductors LED	Duris S10	<u>y</u> ,
LED		91 92 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
LED FWHM / FWTM	Duris S10 Asymmetric 91 %	90 ⁺ 90 ⁺ 90 ⁺ 90 ⁺ 72 ⁻
LED FWHM / FWTM Efficiency	Asymmetric	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 %	20 ⁴ 20 ⁴ 20 ⁴ 20 ⁴ 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 1 cd/lm 1 White	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 1 cd/lm 1 White	100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14436_JENNY-HL	Asymmetric 91 % 1 cd/lm 1 White	601
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14436_JENNY-HL	Asymmetric 91 % 1 cd/lm 1 White D-A-BLK	100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14436_JENNY-HL	Asymmetric 91 % 1 cd/lm 1 White D-A-BLK Duris S8	1000 1220 201 201 201 201 201 201 201 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14436_JENNY-HL OSERAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 91 % 1 cd/lm 1 White D-A-BLK Duris S8 Asymmetric	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14436_JENNY-HL OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 91 % 1 cd/lm 1 White D-A-BLK Duris S8 Asymmetric 94 %	1000 1200 1200 1200 1200 1200 1200 1200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14436_JENNY-HL OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 1 cd/lm 1 White D-A-BLK Duris S8 Asymmetric	1000 1200 1200 1200 1200 1200 1200 1200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14436_JENNY-HL Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 1 cd/lm 1 White D-A-BLK Duris S8 Asymmetric 94 % 1.2 cd/lm 1	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14436_JENNY-HL OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 1 cd/lm 1 White D-A-BLK Duris S8 Asymmetric 94 % 1.2 cd/lm	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14436_JENNY-HL OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 1 cd/lm 1 White D-A-BLK Duris S8 Asymmetric 94 % 1.2 cd/lm 1	1000 1200 1200 1200 1200 1200 1200 1200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14436_JENNY-HL OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 1 cd/lm 1 White D-A-BLK Duris S8 Asymmetric 94 % 1.2 cd/lm 1	1000 1200 1200 1200 1200 1200 1200 1200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14436_JENNY-HL Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 1 cd/lm 1 White D-A-BLK Duris S8 Asymmetric 94 % 1.2 cd/lm 1	1000 1200 1200 1200 1200 1200 1200 1200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C14436_JENNY-HL Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 1 cd/lm 1 White D-A-BLK Duris S8 Asymmetric 94 % 1.2 cd/lm 1	1000 1200 1200 1200 1200 1200 1200 1200



OSRAM Opto Semiconductors		94°
LED	OSCONIQ P 3737 (2W version)	
FWHM / FWTM	Asymmetric	73"
Efficiency	94 %	
Peak intensity	1.4 cd/lm	100° 100 100 100 100 100 100 100 100 100
LEDs/each optic	1	
Light colour	White	67 S
Required components	c	
		200 30 ⁴ 22 ³ 0 ⁴ 25 ⁵ 30 ⁴
OSRAM Opto Semiconductors		90° - 90°
LED	OSCONIQ P 7070	
FWHM / FWTM	Asymmetric	78
Efficiency	91 %	
Peak intensity	1.1 cd/lm	50°
LEDs/each optic	1	
Light colour	White	67. 67.
Required components	:	
C14436_JENNY-H	LD-A-BLK	50° 10° 10° 30°
SAMSU	NG	90* 90°
LED	LH351C	
FWHM / FWTM	Asymmetric	78
Efficiency	92 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	4°.
Required components	:	1239
		20 ¹⁴ 20 ¹⁰ 20 ¹⁰ 20 ¹⁰



PRODUCT DATASHEET F15596_JENNY-FT45

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.

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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LEDiL Oy

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