

STRADELLA-16-SCL

Type II/III (long) beam for very wide pole to pole distances. Ideal for pedestrian paths and residential roads. EN13201 P-classes.

TECHNICAL SPECIFICATIONS:

Dimensions	49.5 x 49.5 mm
Height	4.4 mm
Fastening	screw
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

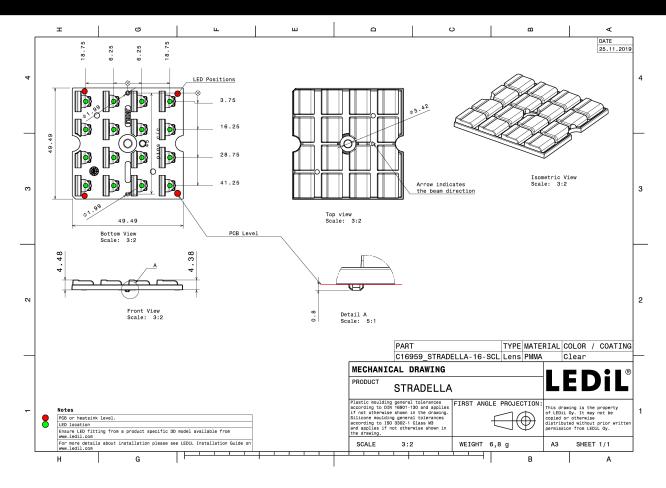
Component STRADELLA-16-SCL

Туре	
Multi-lens	

Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16959_STRADELLA-16-SCL	800	160	160	6.4
» Box size: 480 x 280 x 300 mm				



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



PHOTOMETRIC DATA (MEASURED):

LED	J Series 3030	30- 30-
FWHM / FWTM	Asymmetric	75°
Efficiency	95 %	
Peak intensity	0.6 cd/lm	504 504
LEDs/each optic	1	40
Light colour	White	
Required compone		60
		80
		30* <u>1000</u> 30* 30°
LED	EHP-223.5x50-1604-xx-70-LS30-06-NTC	
FWHM / FWTM	Asymmetric	73°
Efficiency	97 %	
Peak intensity	0.7 cd/lm	50* <u>400</u> 50*
LEDs/each optic	1	
Light colour	White	45* 600 45*
Required compone	nts:	X X
		80
		1000
		30* 30*
		13 ⁵ 0 ⁶ 15 ⁶
	<u> </u>	15 ² 0 ³ 15 ²
		90°
LED	NF2x757G	173 de 124 94 94 95
LED FWHM / FWTM		123 de 12
LED FWHM / FWTM Efficiency	NF2x757G Asymmetric	133 <u>60</u> 60
LED FWHM / FWTM	NF2x757G Asymmetric 94 %	20 ⁻
LED FWHM / FWTM Efficiency Peak intensity	NF2x757G Asymmetric 94 % 0.6 cd/lm	25 ³ 6 ³ 15 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White	
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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts: NFSW757H Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts: NFSW757H Asymmetric 94 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts: NFSW757H Asymmetric 94 % 0.6 cd/lm 1 White	
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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G Asymmetric 94 % 0.6 cd/lm 1 White nts: NFSW757H Asymmetric 94 % 0.6 cd/lm 1 White	



LED J Series 3030 FWHM / FWTM Asymmetric Efficiency 78 %	90
LED J Series 3030 FWHM / FWTM Asymmetric Efficiency 78 %	~
FWHM / FWTM Asymmetric Efficiency 78 %	
Efficiency 78 %	
Peak intensity 0.5 cd/lm	60
LEDs/each optic 1	
Light colour White	
Required components:	
Protective plate, glass	
30° 30°	15* 30
LUMILEDS	Λ
LED LUXEON 3030 2D (Square LES)	
FWHM / FWTM Asymmetric	
Efficiency 77 %	
Peak intensity 0.4 cd/lm	
LEDs/each optic 1	
Required components:	
100	
Protective plate, glass	
	* 22.8* 46.4* 67.8* 96.4* 122.8* 128
LUMILEDS	Y
LED LUXEON 3030 HE Plus	
	and the second
FWHM / FWTM Asymmetric	
FWHM / FWTM Asymmetric Efficiency 91 %	
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm	60
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1	
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White	
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1	
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White	a a a a a a a a a a a a a a a a a a a
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White	
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White	
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:	
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FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: Vertice	
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: View VICCHIN NFSWE11A FWHM / FWTM Asymmetric	
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:	
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:	
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FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: Vitie Image: Specific	
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:	
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:	
FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:	



OSRAM Opto Semiconductors		
LED	Duris S5 (2 chip)	
FWHM / FWTM	Asymmetric	750 200 70
Efficiency	77 %	
Peak intensity	0.4 cd/lm	504 504
LEDs/each optic	1	X
Light colour	White	
Required components:	White	40 45*
Required components.		50
Protective plate	e, glass	600
		30° 700 30° 30°
OSRAM Opto Semiconductors		90* 90*
LED	OSCONIQ C 2424	
FWHM / FWTM	Asymmetric	75°
Efficiency	77 %	20
Peak intensity	0.5 cd/lm	. 60 ⁴
LEDs/each optic	1	
Light colour	White	
Required components:		× 100
		600
Protective plate	e, glass	70
		30* 13 ⁵ 0 ⁶ 15* 30*
OSRAM Opto Semiconductors		
		90*
		90° 93°
LED	OSCONIQ C 2424 Asymmetric	20 20 20 20 Ba
LED FWHM / FWTM	Asymmetric	20- 20- 20- 20- 20- 20- 20- 20- 20- 20-
LED FWHM / FWTM Efficiency	Asymmetric 91 %	90 ⁴ 40 60 ⁷
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 0.7 cd/lm	90 ⁴ 40 60 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm	61. 62. 69. 69. 69. 69. 69. 69. 69. 69. 69. 69
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1	60° 000 000 1000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square CSSRM2/CSSRM3	60° 000 000 1000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OBSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 90 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 90 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 90 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 90 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 90 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 90 % 0.5 cd/lm 1	



SAMSUN	IG	
		90+ 99
	LH181B	75%
FWHM / FWTM	Asymmetric	
Efficiency	85 %	504 400 65
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	X 500 X
Light colour	White	451 et
Required components:		800
Protective plate	, glass	
		2000
		/30° 415 ² 0° 15° 30
SAMSUN	G	90*
LED	LH181B	
FWHM / FWTM	Asymmetric	73* 200 72
Efficiency	91 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	457. 457.
Required components:		800
		1000
		1200
		13 ⁵ 0 ⁶ 19 ⁶
SAMSUN	IG	90*
LED	LH351B	
FWHM / FWTM	Asymmetric	75*
Efficiency	89 %	
Peak intensity	0.4 cd/lm	60° 60
LEDs/each optic	1	***
Light colour	White	45* 400 45
Required components:		
		60
		30 ⁴ (10 ³ 0 ⁴ 10 ⁴ 32
сллсил		
SVWSUN		90* 90
LED	LM301B	730
FWHM / FWTM	Asymmetric	XZA
Efficiency	91 %	60 / / / / / / / / / / / / / / / / / / /
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour Required components:	White	45* 600 42
Requirea components:		$ \times \setminus \times$
		200
		\times / \times



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SAMSUN	IG	260
LED	LM301B	229
FWHM / FWTM	Asymmetric	200
Efficiency	77 %	200
Peak intensity	0.4 cd/lm	209 200
LEDs/each optic	1	100
Light colour	White	10
Required components:		129 -
Protective plate	e, glass	
SAMSUN	IG	90* 90*
LED	LM302D	710 500 770
FWHM / FWTM	Asymmetric	
Efficiency	76 %	200
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required components:		
Protective plate	e, glass	80
		30* 35° 36° 35° 30°
SAMSUN	IG	
LED	LM302Z plus	
FWHM / FWTM	Asymmetric	75°
Efficiency	75 %	
Peak intensity	0.4 cd/im	50* 60*
LEDs/each optic	1	$X \rightarrow X$
Light colour	White	45* 460 45*
Required components:		
		200
Protective plate	e, glass	500
		30* 30*
SEQUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	SEOUL DC 3030C	756 100 752
FWHM / FWTM	Asymmetric	
Efficiency	75 %	60 ⁴ 200 (60 ⁴
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour Required components:	White	67 400 67*
Required components:		500
Protective plate	e, glass	X/T/X
		X too
		30* 15° 30*



SEOUL		
SEOUL SEMICONDUCTOR		90° 90°
LED	SEOUL DC 3030C	750 (300 - 720
FWHM / FWTM	Asymmetric	
Efficiency	90 %	50 ⁴ 300 50 ⁴
Peak intensity	0.6 cd/lm	400
LEDs/each optic	1	
Light colour	White	45" 500 45"
Required components:		
		700
		80
		**
		30° 15° 1600 15° 30°
SEOUL		
	7510	90* 90*
	Z5M3	750 100
FWHM / FWTM	Asymmetric	200
Efficiency	89 %	60 ⁴
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	400
Light colour	White	45° 45°
Required components:		
		600
		700
		30* 15 ⁴ 000 15* 30*
SEOUL		90°
SEOUL SEMICONDUCTOR	Z8Y19	92°
SEOUL SEMICONDUCTOR		24 (20) 74 (20) 75 (20)
seoul semiconductor LED FWHM / FWTM	Z8Y19 Asymmetric 77 %	9° 7° 20
seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric 77 %	Re Re
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric	20
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 77 % 0.5 cd/lm	20 60 60
SEDUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 77 % 0.5 cd/lm 1	20 20 60 ⁴ 20 60 ⁴ 60 ⁴ 60 ⁴
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 77 % 0.5 cd/lm 1	20 20 60 ⁴ 20 60 ⁴ 60 ⁴ 60 ⁴
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 77 % 0.5 cd/lm 1 White	20 20 60 ⁴ 20 60 ⁴ 60 ⁴ 60 ⁴
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 77 % 0.5 cd/lm 1 White	20 20 60 ⁴ 20 60 ⁴ 60 ⁴ 60 ⁴
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 77 % 0.5 cd/lm 1 White	20 00 00 00 00 00 00 00 00 00 00 00 00 0
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 77 % 0.5 cd/lm 1 White	20 20 20 20 20 20 20 60 60 70 60 70 60 70 60 70 60 70 60 70 70 70 70 70 70 70 70 70 7
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SEOUL SEMICONDUCTOR	Asymmetric 77 % 0.5 cd/lm 1 White	20 20 20 20 20 20 20 60 60 70 60 70 60 70 60 70 60 70 60 70 70 70 70 70 70 70 70 70 7
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED	Asymmetric 77 % 0.5 cd/lm 1 White e, glass Z8Y22	20 20 20 20 20 20 20 60 60 70 60 70 60 70 60 70 60 70 60 70 70 70 70 70 70 70 70 70 7
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM	Asymmetric 77 % 0.5 cd/lm 1 White e, glass Z8Y22 Asymmetric	20 50° 50° 50° 50° 50° 50° 50° 50
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency	Asymmetric 77 % 0.5 cd/lm 1 White e, glass Z8Y22 Asymmetric 77 %	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 77 % 0.5 cd/lm 1 White e, glass Z8Y22 Asymmetric 77 % 0.5 cd/lm	
sEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 77 % 0.5 cd/lm 1 White e, glass Z8Y22 Asymmetric 77 % 0.5 cd/lm 1	
sEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 77 % 0.5 cd/lm 1 White e, glass Z8Y22 Asymmetric 77 % 0.5 cd/lm	
sEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 77 % 0.5 cd/lm 1 White e, glass Z8Y22 Asymmetric 77 % 0.5 cd/lm 1	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 77 % 0.5 cd/lm 1 White 28Y22 Asymmetric 77 % 0.5 cd/lm 1 White	
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 77 % 0.5 cd/lm 1 White 28Y22 Asymmetric 77 % 0.5 cd/lm 1 White	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 77 % 0.5 cd/lm 1 White 28Y22 Asymmetric 77 % 0.5 cd/lm 1 White	



SEOUL SEMICONDUCTOR	
LED	Z8Y22T
FWHM / FWTM	Asymmetric
Efficiency	79 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components	S:
Protective pl	ate alass
Fiblective pi	late, glass
SEOUL	
SEOUL SEMICONDUCTOR	
LED	Z8Y22T
LED FWHM / FWTM	Asymmetric
LED FWHM / FWTM Efficiency	Asymmetric 92 %
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 % 0.5 cd/lm
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.5 cd/lm 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.5 cd/lm 1 White
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.5 cd/lm 1 White
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.5 cd/lm 1 White
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.5 cd/lm 1 White



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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