

## STRADELLA-8-T1-A

Asymmetric IESNA Type I (short) beam designed for tilted poles. Suitable for Indian EESL specification.

#### **TECHNICAL SPECIFICATIONS:**

Dimensions 49.5 mm

Height 5.3 mm

Fastening pin, screw

ROHS compliant yes ()

### MATERIAL SPECIFICATIONS:

Component STRADELLA-8-T1-A

## **Type** Multi-lens



C16005\_STRADELLA-8-T1-A

PRODUCT

DATASHEET

Oty in box	MOO	MPO	Box weight (kg)	

Material

PMMA

# Component

**ORDERING INFORMATION:** 

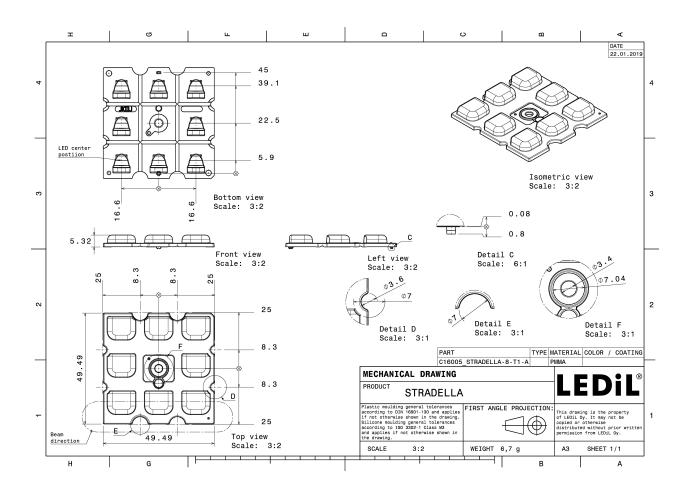
C16005\_STRADELLA-8-T1-A » Box size: 480 x 280 x 300 mm 
 Qty in box
 MOQ
 MPQ
 Box weight (kg)

 800
 160
 160
 6.2

Colour

clear

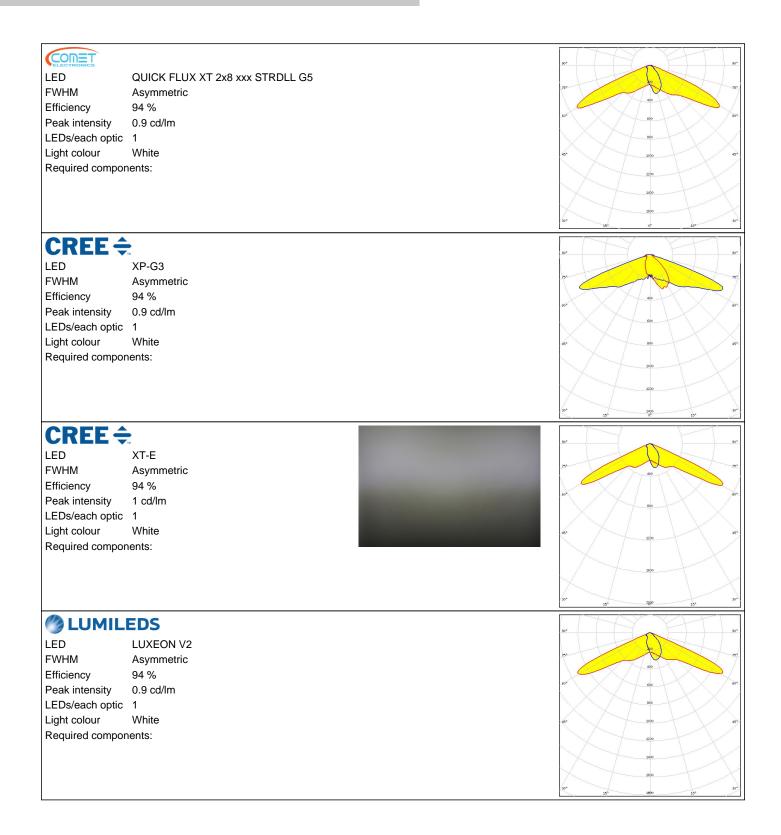
Finish



R



#### PHOTOMETRIC DATA (MEASURED):



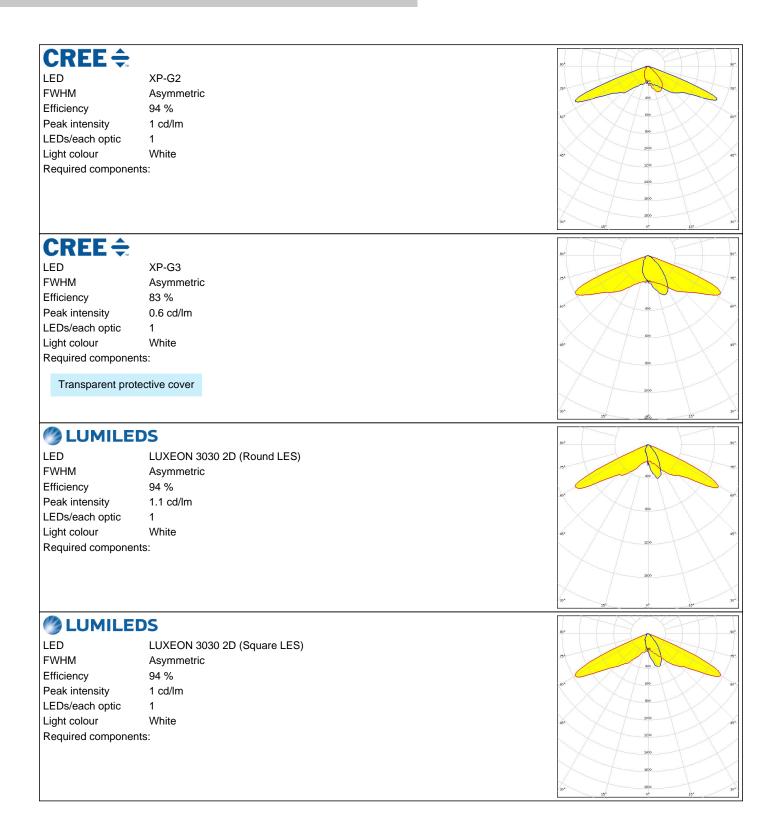


## PHOTOMETRIC DATA (MEASURED):

MAUCIUA		
<b>Μ</b> ΝΙCΗΙΛ		90* 92*
LED	NVSW219D	240 (D00)
FWHM	Asymmetric	10 100
Efficiency	94 %	604
Peak intensity	0.9 cd/lm	
LEDs/each optic		800
Light colour	White	45* 43*
Required compon	ents:	
		12200
		3490
		30° 1600 30° 30° 30°
<b>Ø</b> NICHIΛ		
		90* 90*
LED	NVSW319B	70
FWHM	Asymmetric	
Efficiency	94 %	50 <sup>4</sup> 60 <sup>4</sup> 60 <sup>4</sup>
Peak intensity LEDs/each optic	0.8 cd/lm	
LEDS/each oplic	White	
Required compon		6° 6°
Required compon	ents.	1000
		1250
		30 <sup>4</sup> 13 <sup>5</sup> 0 <sup>6</sup> 15 <sup>4</sup> 30 <sup>4</sup>
OSRAM		THAT AFTI
Opto Semiconductors	OSI ON Square CSSPM2/CSSPM2	30* 50*
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	22 00 25 25 20 25 25 25 25 25 25 25 25 25 25 25 25 25
Opto Semiconductors LED FWHM	Asymmetric	90°
opto Semiconductors LED FWHM Efficiency	Asymmetric 94 %	
opto Semiconductors LED FWHM Efficiency Peak intensity	Asymmetric 94 % 1.2 cd/Im	92 <sup>3</sup> 32 <sup>3</sup> 60 60 60 60 60 60
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.2 cd/lm 1	
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.2 cd/lm 1 White	65 <u>100</u> 67
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.2 cd/lm 1 White	5° 100 50° 60° 60° 60° 60° 60° 60° 60° 6
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.2 cd/lm 1 White	100
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.2 cd/lm 1 White	109
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 94 % 1.2 cd/lm 1 White	100
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 94 % 1.2 cd/lm 1 White	109
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 94 % 1.2 cd/lm 1 White ents:	109
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 94 % 1.2 cd/lm 1 White ents: Z5M4	109
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 94 % 1.2 cd/lm 1 White ents: Z5M4 Asymmetric	109
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon seous SEMICONDUCTOR LED FWHM Efficiency	Asymmetric 94 % 1.2 cd/lm 1 White ents: Z5M4 Asymmetric 97 %	
Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SEQUISEMICONDUCTOR LED FWHM Efficiency Peak intensity	Asymmetric 94 % 1.2 cd/lm 1 White ents: Z5M4 Asymmetric 97 % 0.9 cd/lm	
Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SEOULISEMCONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.2 cd/lm 1 White ents: Z5M4 Asymmetric 97 % 0.9 cd/lm 1	
Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SEQUE SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.2 cd/lm 1 White ents: Z5M4 Asymmetric 97 % 0.9 cd/lm 1 White	
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Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SEOULISEMCONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.2 cd/lm 1 White ents: Z5M4 Asymmetric 97 % 0.9 cd/lm 1 White	



#### PHOTOMETRIC DATA (SIMULATED):



PRODUCT DATASHEET

C16005\_STRADELLA-8-T1-A



## PHOTOMETRIC DATA (SIMULATED):

<b>ΜΝΙCΗΙΛ</b>		
LED	NVSxE21A	
FWHM	Asymmetric	750 400 750
Efficiency	93 %	
Peak intensity	93 % 1.3 cd/lm	50 <sup>+</sup> 800 60 <sup>+</sup>
LEDs/each optic	1 White	1200
Light colour Required componen		43°
Required componen	IS.	1500
		2000
		30° <u>35° 0°</u> 15° 30°
<b>Μ</b> ΝΙCΗΙΛ		THAY KHAT
		90° 90°
LED	NVSxx19B/NVSxx19C	750 100 750
FWHM	Asymmetric	400
Efficiency	94 %	604 604
Peak intensity	0.9 cd/lm	600
LEDs/each optic	1	80
Light colour	White	45* 1000 45*
Required componen	IS:	
		1400
		30° 1500 30° 30° 30°
OSRAM		
Opto Semiconductors		90* 90*
LED	OSCONIQ P 3030	200
FWHM	Asymmetric	
		400
	95 %	60 <sup>4</sup> 60 <sup>4</sup>
Efficiency Peak intensity	95 % 0.9 cd/lm	
Peak intensity LEDs/each optic	95 % 0.9 cd/lm 1	
Peak intensity LEDs/each optic Light colour	95 % 0.9 cd/lm 1 White	
	95 % 0.9 cd/lm 1 White	60 60 60
Peak intensity LEDs/each optic Light colour	95 % 0.9 cd/lm 1 White	60 60 60 60 60 F
Peak intensity LEDs/each optic Light colour	95 % 0.9 cd/lm 1 White	60 60 60 60 60 F
Peak intensity LEDs/each optic Light colour	95 % 0.9 cd/lm 1 White	60 60 60 60 60 F
Peak intensity LEDs/each optic Light colour Required componen	95 % 0.9 cd/lm 1 White	60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
Peak intensity LEDs/each optic Light colour Required componen	95 % 0.9 cd/lm 1 White ts:	60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
Peak intensity LEDs/each optic Light colour Required componen	95 % 0.9 cd/lm 1 White ts: OSCONIQ P 3737 (2W version)	60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
Peak intensity LEDs/each optic Light colour Required componen	95 % 0.9 cd/lm 1 White ts: OSCONIQ P 3737 (2W version) Asymmetric	
Peak intensity LEDs/each optic Light colour Required componen OSRAM Opto Semiconductors LED FWHM Efficiency	95 % 0.9 cd/lm 1 White ts: OSCONIQ P 3737 (2W version) Asymmetric 94 %	60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity	95 % 0.9 cd/lm 1 White ts: OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.8 cd/lm	
Peak intensity LEDs/each optic Light colour Required componen Optio Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	95 % 0.9 cd/lm 1 White ts: OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.8 cd/lm 1	60° 60° 00° 60° 00° 00° 00° 00° 00° 00° 00°
Peak intensity LEDs/each optic Light colour Required componen OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	95 % 0.9 cd/lm 1 White is: OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.8 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required componen Optio Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	95 % 0.9 cd/lm 1 White is: OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.8 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required componen OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	95 % 0.9 cd/lm 1 White is: OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.8 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required componen OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	95 % 0.9 cd/lm 1 White is: OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.8 cd/lm 1 White	



## PHOTOMETRIC DATA (SIMULATED):

OSRAM		
Opto Semiconductors	OSLON Squara CSSDM2/CSSDM2	90*
FWHM	OSLON Square CSSRM2/CSSRM3 Asymmetric	730 00 77
Efficiency	89 %	400
Peak intensity	1 cd/lm	.60* 600 65
LEDs/each optic	1	
Light colour	White	
Required component		45° 5000 45°
		1290
Transparent pro	tective cover	1930
		1090
		30° 25° 0° 15°
OSRAM Opto Semiconductors		×-
LED	OSLON Square PC	
FWHM	Asymmetric	20 Min p
Efficiency	94 %	40
Peak intensity	1 cd/lm	60 <sup>4</sup> 60 60
LEDs/each optic	1	80
Light colour	White	651 1000 65
Required compone	nts:	1220
		5400
		1000
		204 1290 201
		20 15 <sup>5</sup> 0 <sup>7</sup> 15 <sup>4</sup> 20
OSRAM Opto Semiconductors		90* 90*
LED	OSLON Square PC	
FWHM	Asymmetric	70
Efficiency	89 %	
Peak intensity	0.8 cd/lm	.60°
LEDs/each optic	1	
Light colour	White	45* 000 457
Required component	nts:	
_		
Transparent pro	tective cover	1200
		20** <u>5400</u> 30*
0.0.0.0.0.0.0		123 <sup>3</sup> 0 <sup>3</sup> 13 <sup>4</sup>
SAMSU	NG	90° 90'
LED	LH351B	
FWHM	Asymmetric	781
Efficiency	94 %	40
Peak intensity	0.8 cd/lm	60 - 60
LEDs/each optic	1	
Light colour	White	45° 0%0 65
Required compone	nts:	500
		1220
		20-
		30 15 <sup>5</sup> 0° 15°



## PHOTOMETRIC DATA (SIMULATED):

WHM Asymmetric fficiency 94 % eak intensity 0.9 cd/lm EDs/each optic 1 ight colour White equired components: Transparent protective cover WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/lm EDs/each optic 1 ight colour White equired components: Transparent protective cover WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/lm EDs/each optic 1 ight colour White equired components: Transparent protective cover			
ED LH351C WHM Asymmetric fficiency 94 % eak intensity 0.9 cd/lm EDs/each optic 1 ight colour White equired components: Transparent protective cover wexemetrics ED Z5M1/Z5M2 WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/lm EDs/each optic 1 transparent protective cover WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm EDS/each optic 1 ight colour White	SAMSUN	IG	90*
WHM Asymmetric fficiency 94 % eak intensity 0.9 cd/lm EDS/each optic 1 ight colour White equired components: ED Z5M1/Z5M2 WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/lm EDS/each optic 1 ight colour White equired components: Transparent protective cover ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm EDS/each optic 1 ight colour White equired components: Transparent protective cover ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm EDS/each optic 1 ight colour White	LED		
fficiency 94 % eak intensity 0.9 cd/lm EDS/each optic 1 ight colour White equired components: ED Z5M1/Z5M2 WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/lm EDS/each optic 1 ight colour White equired components: Transparent protective cover ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 %	FWHM		730 700 700
eak intensity 0.9 cd/lm EDs/each optic 1 ight colour White equired components: ED Z5M1/Z5M2 WHM Asymmetric fficiency 89% eak intensity 0.8 cd/lm EDs/each optic 1 ight colour White equired components: Transparent protective cover ED Z5M1/Z5M2 WHM Asymmetric fficiency 94% eak intensity 1 cd/lm EDS/each optic 1 ight colour White	Efficiency		400
EDs/each optic 1 ight colour White equired components: ED Z5M1/Z5M2 WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/lm EDs/each optic 1 ight colour White equired components: Transparent protective cover ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm EDS/each optic 1 ight colour White	Peak intensity		60* 600 60*
ight colour White equired components: ED 25M1/Z5M2 WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/lm EDS/each optic 1 ight colour White equired components: Transparent protective cover WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm ED 25M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm EDS/each optic 1 ight colour White	LEDs/each optic		
equired components:	Light colour	White	at
ED Z5M1/Z5M2 WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/m EDS/each optic 1 ight colour White equired components: Transparent protective cover ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/m ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/m ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/m EDS/each optic 1 ight colour White	Required component	S:	
ED Z5M1/Z5M2 WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/lm EDs/each optic 1 ight colour White ED Z5M1/Z5M2 WhM Asymmetric Fficiency 94 % eak intensity 1 cd/m ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/m ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/m EDs/each optic 1 ight colour White			1200
ED Z5M1/Z5M2 WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/lm EDs/each optic 1 ight colour White ED Z5M1/Z5M2 WhM Asymmetric Fficiency 94 % eak intensity 1 cd/m ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/m ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/m EDs/each optic 1 ight colour White			1490
ED Z5M1/Z5M2 WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/lm EDs/each optic 1 ight colour White ED Z5M1/Z5M2 WHM Asymmetric Transparent protective cover SWEWCONCIONE ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm EDs/each optic 1 ight colour White			
MINIMENTER ED Z5M1/Z5M2 WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/lm EDS/each optic 1 ight colour White equired components: Transparent protective cover ED Z5M1/Z5M2 WHM Asymmetric ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm EDS/each optic 1 ight colour White			12 <sup>5</sup> 0 <sup>5</sup> 15 <sup>5</sup>
ED Z5M1/Z5M2 WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/lm EDs/each optic 1 ight colour White equired components: Transparent protective cover ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm EDs/each optic 1 ight colour White	SEOUL SEOUL SEMICONDUCTOR		90* 90*
WHM Asymmetric fficiency 89 % eak intensity 0.8 cd/lm EDs/each optic 1 ight colour White equired components: Transparent protective cover Transparent protective cover ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm EDs/each optic 1 ight colour White	LED	Z5M1/Z5M2	
fficiency 89 % eak intensity 0.8 cd/lm EDs/each optic 1 ight colour White equired components: Transparent protective cover Transparent protective cover ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm EDs/each optic 1 ight colour White	FWHM	Asymmetric	75%
eak intensity 0.8 cd/lm EDs/each optic 1 ight colour White equired components: Transparent protective cover Transparent protective cover ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm EDs/each optic 1 ight colour White	Efficiency		400
ight colour White equired components: Transparent protective cover Transparent protective cover ED Z5M1/Z5M2 WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm EDs/each optic 1 ight colour White	Peak intensity	0.8 cd/lm	60 <sup>4</sup> 600
equired components: Transparent protective cover Transparent protective cover Transparen	LEDs/each optic		$X \times / T \setminus X \times$
Transparent protective cover         Image: semiconductor         ED       Z5M1/Z5M2         WHM       Asymmetric         fficiency       94 %         eak intensity       1 cd/lm         EDs/each optic       1         ight colour       White	Light colour		45* 000 45*
WING Selection of the formula of th	Required component	S:	3000
WING Selection of the formula of th	Transportant proto		1200
Data Semiconductor       ED     Z5M1/Z5M2       WHM     Asymmetric       fficiency     94 %       eak intensity     1 cd/lm       EDs/each optic     1       ight colour     White	riansparent prote		
Data Semiconductor       ED     Z5M1/Z5M2       WHM     Asymmetric       fficiency     94 %       eak intensity     1 cd/lm       EDs/each optic     1       ight colour     White			30* 30* 30*
Data Semiconductor       ED     Z5M1/Z5M2       WHM     Asymmetric       fficiency     94 %       eak intensity     1 cd/lm       EDs/each optic     1       ight colour     White	SEAU		
WHM Asymmetric fficiency 94 % eak intensity 1 cd/lm EDs/each optic 1 ight colour White	SEOUL SEMICONDUCTOR		90* 90*
fficiency 94 % eak intensity 1 cd/lm EDs/each optic 1 ight colour White	LED		
eak intensity 1 cd/lm EDs/each optic 1 ight colour White	FWHM		75° 75°
EDs/each optic 1 ight colour White	Efficiency		504 604
ight colour White			
			$  \land /   \land \land \land  $
equired components:	-		
	Required component	S:	
20/0			000
30* 15 0* 10* 3			30° 15° 30°

PRODUCT DATASHEET C16005\_STRADELLA-8-T1-A



#### **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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