

PRODUCT DATASHEET C17085_STRADELLA-16-VSM

STRADELLA-16-VSM

IESNA Type V (square) beam for wide areas such as car parks.

SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	4.2 mm
Fastening	pin, screw
ROHS compliant	yes 🛈



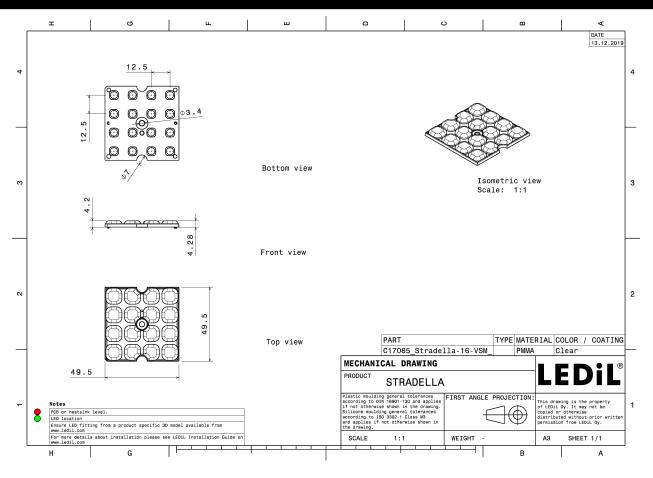
MATERIALS:

Component	Туре	Material	Colour	Finish
STRADELLA-16-VSM	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17085_STRADELLA-16-VSM	800	160	160	6.5
» Box size: 480 x 280 x 300 mm				

PRODUCT DATASHEET C17085_STRADELLA-16-VSM



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



OPTICAL RESULTS (MEASURED):

-		
LED	J Series 3030	
FWHM / FWTM	Asymmetric	75° 100 75°
Efficiency	98 %	
Peak intensity	0.5 cd/lm	60 ⁴ 200 604
LEDs/each optic	1	
Light colour	White	5°
Required compone		
		400
		300
		13° 415 ⁵ 0° 15° 30°
LED	EHP-223.5x50-1604-xx-70-LS30-06-NTC	10°
FWHM / FWTM	Asymmetric	75° 100 75°
Efficiency	98 %	
Peak intensity	0.5 cd/lm	50 ⁴ 200 60 ⁴
LEDs/each optic	1	
Light colour	White	45*
Required compone		400
		\times
		200
		30°
M LUMIL	EDS	90*
LED	LUXEON 3030 2D (Square LES)	
FWHM / FWTM	139.0° / 147.0°	73 100 75°
Efficiency	86 %	
Peak intensity	0.5 cd/lm	- 60 ⁴ - 200 - 60 ⁴
LEDs/each optic	1	\times
Light colour	White	451 300 451
Required compone	nts:	
		400
Protective	plate, glass	
		30* 30*
Maurice		
𝔅 NICHI Λ		90* 90*
LED	NF2x757G	
FWHM / FWTM	141.0° / 153.0°	100
Efficiency	98 %	60 ⁴ 200 60%
Peak intensity	0.5 cd/lm	$ \land \land$
LEDs/each optic	1	× / + **
Light colour	White	et
Required compone	nts:	
1		



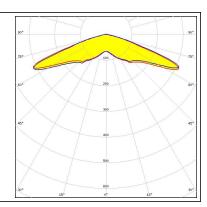
OPTICAL RESULTS (MEASURED):

TRIDONIC

L	Е	D	

FWHM / FWTM14Efficiency98Peak intensity0.0LEDs/each optic1Light colourWRequired components:

RLE 4x16 4000lm MP ADV2 OTD 141.0° / 155.0° 98 % 0.6 cd/lm 1 White





bridgelux.		90*
LED	Bridgelux SMD 2835	
FWHM / FWTM	146.0° / 158.0°	73°
Efficiency	95 %	
Peak intensity	0.4 cd/lm	50 ⁴ 50 ⁴
LEDs/each optic	1	
Light colour	' White	
Required components:	Wille	49°
		400
		\times / \times
		30° 135° 0° 15°
bridgelux.		90* 90*
LED	CSP 2727 (BXCP)	
FWHM / FWTM	138.0° / 150.0°	73°
Efficiency	80 %	200
Peak intensity	0.3 cd/lm	. 50 ⁴ 150 60*
LEDs/each optic	1	200
Light colour	White	.45* 250 45*
Required components:		
Protective plate	e, glass	30
		40
		30° 30° 30°
bridgelux.		90° 90°
bridgelux. LED	CSP 2727 (BXCP)	30°
	CSP 2727 (BXCP) 140.0° / 150.0°	50* 50* 23* 100 73*
LED		90° - 90° 73° - 500 - 75°.
LED FWHM / FWTM Efficiency	140.0° / 150.0°	90° 90° 73° 50° 75° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity	140.0° / 150.0° 95 %	90° - 90° 123 - 100 60° - 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	140.0° / 150.0° 95 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity	140.0° / 150.0° 95 % 0.4 cd/lm 1	90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	140.0° / 150.0° 95 % 0.4 cd/lm 1	90° 90° 73° 500 60° 500 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	140.0° / 150.0° 95 % 0.4 cd/lm 1	9° 9° 9° 50° 50° 50° 50° 50° 50° 50° 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	140.0° / 150.0° 95 % 0.4 cd/lm 1	90° 90° 73° 500 73° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	140.0° / 150.0° 95 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	140.0° / 150.0° 95 % 0.4 cd/lm 1	90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	140.0° / 150.0° 95 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	140.0° / 150.0° 95 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	140.0° / 150.0° 95 % 0.4 cd/lm 1 White	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	140.0° / 150.0° 95 % 0.4 cd/lm 1 White XP-E2 155.0° / 164.0°	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	140.0° / 150.0° 95 % 0.4 cd/lm 1 White XP-E2 155.0° / 164.0° 92 %	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED EWHM / FWTM Efficiency Peak intensity	140.0° / 150.0° 95 % 0.4 cd/lm 1 White XP-E2 155.0° / 164.0° 92 % 0.6 cd/lm	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED EWHM / FWTM Efficiency Peak intensity LEDs/each optic	140.0° / 150.0° 95 % 0.4 cd/lm 1 White XP-E2 155.0° / 164.0° 92 % 0.6 cd/lm 1	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	140.0° / 150.0° 95 % 0.4 cd/lm 1 White XP-E2 155.0° / 164.0° 92 % 0.6 cd/lm 1	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	140.0° / 150.0° 95 % 0.4 cd/lm 1 White XP-E2 155.0° / 164.0° 92 % 0.6 cd/lm 1	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	140.0° / 150.0° 95 % 0.4 cd/lm 1 White XP-E2 155.0° / 164.0° 92 % 0.6 cd/lm 1	10°



		90° 90°
	XP-G3	72 50 772
FWHM / FWTM	155.0° / 175.0°	100
Efficiency	91 %	65° 150 60°.
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 250 45*
Required components:		× 30
		30
		400
		30° 450 30°
		90* 90*
LED	LUXEON 2835 Line	
FWHM / FWTM	146.0° / 157.0°	
Efficiency	95 %	50* 50*
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45°
Required components:		400
		\times / \top / \times
		200
		304 344
		112 ³ 0 ⁶ 115 ⁶
)5	90* 90*
LUMILEL	LUXEON 3030 HE Plus	90°
		50° 50°
LED	LUXEON 3030 HE Plus	Br Br Br
LED FWHM / FWTM	LUXEON 3030 HE Plus 146.0° / 158.0°	91° 91° 20 100 61°
LED FWHM / FWTM Efficiency	LUXEON 3030 HE Plus 146.0° / 158.0° 95 %	91 ³ 91 ³ 20 81 ⁴ 20 60 ⁴ 60 ⁴
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm	91 ³ 91 ³ 20 61 ⁴ 20 61 ⁴ 60 ⁴ 61 ⁴ 30 61 ⁴ 61 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1	99 ³ 99 ³ 90 60 ⁴ 90 60 ⁴ 90 60 ⁴ 60 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1	5° 50 6° 6° 20 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1	97 ³ 97 30 60 ⁴ 20 67 67 67 67 67 67 67 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1	91 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1	No. TO, No. TO, No. Phy. TO, Phy.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1 White S LUXEON HL2X	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1 White S LUXEON HL2X 160.0° / 174.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1 White S LUXEON HL2X 160.0° / 174.0° 92 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1 White	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1 White	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1 White	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1 White	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CONTINUES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus 146.0° / 158.0° 95 % 0.5 cd/lm 1 White	20



		90* 90
LED	LUXEON HL2X	
FWHM / FWTM	154.0° / 168.0°	
Efficiency	71 %	50* 100 660
Peak intensity	0.2 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 200 45
Required components:		
Protective plate	, glass	
		30° 30° 30° 30°
Μ ΝΙCΗΙΛ		90* 92
LED	NCSxE17A	
FWHM / FWTM	137.0° / 143.0°	75%
Efficiency	95 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400 45
Required components:		
		X Too t
		800
		30* 30
Μ ΝΙCΗΙΛ		
		90* 90'
LED	NFSWE11A	735
FWHM / FWTM	136.0° / 142.0°	200
Efficiency	93 %	eet to the second
Peak intensity	0.8 cd/lm	
LEDs/each optic		
	1	400
Light colour	1 White	er <u>300</u>
Light colour Required components:		40°
		67 <u>96</u> 00
		67 50 C
		er 90 700 700 700 700 700 700 700 700 700
Required components:		
Required components:	White	40 40 40 40 40 40 40 40 40 40
Required components:	White NVSW519A	
Required components:	White NVSW519A 158.0° / 179.0°	
Required components:	White NVSW519A 158.0° / 179.0° 87 %	
Required components:	White NVSW519A 158.0° / 179.0° 87 % 0.3 cd/lm	
Required components:	White NVSW519A 158.0° / 179.0° 87 % 0.3 cd/lm 1	
Required components:	White NVSW519A 158.0° / 179.0° 87 % 0.3 cd/lm 1	
Required components:	White NVSW519A 158.0° / 179.0° 87 % 0.3 cd/lm 1	



OSRAM		
Opto Semiconductors	0500000000000	90* 90*
LED FWHM / FWTM	OSCONIQ C 2424 144.0° / 152.0°	75° 100 75°
Efficiency	95 %	
Peak intensity	0.6 cd/lm	50 ⁴ 200 60*
LEDs/each optic	1	
Light colour	White	
Required components:	wine	40
		\times
		200
		30° 13° 30°
OSRAM Opto Semiconductors		90°
LED	OSCONIQ C 2424	
FWHM / FWTM	142.0° / 152.0°	73° 70°
Efficiency	80 %	
Peak intensity	0.4 cd/lm	-60 ⁴
LEDs/each optic	1	
Light colour	White	45* 340 55*
Required components:		\times
Protective plate	dass	400
r rotootivo piato	, 9.00	\times
		30° 500 30° 30°
OSRAM Onto Semiconductors		90* 97*
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	90 [*] 97
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3 152.0° / 164.0°	
^{Opto Semiconductors} LED FWHM / FWTM	OSLON Square CSSRM2/CSSRM3 152.0° / 164.0° 94 %	173
^{opto Semiconductors} LED FWHM / FWTM Efficiency	152.0° / 164.0°	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
^{Opto Semiconductors} LED FWHM / FWTM	152.0° / 164.0° 94 %	200
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	152.0° / 164.0° 94 % 0.4 cd/lm	5° 50 6°
^{opto semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	152.0° / 164.0° 94 % 0.4 cd/lm 1	99 99 99 99 99 99 99 99 99 99 99 99 99
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	152.0° / 164.0° 94 % 0.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	152.0° / 164.0° 94 % 0.4 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	152.0° / 164.0° 94 % 0.4 cd/lm 1	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 164.0° 94 % 0.4 cd/lm 1 White	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 164.0° 94 % 0.4 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	152.0° / 164.0° 94 % 0.4 cd/lm 1 White	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 164.0° 94 % 0.4 cd/lm 1 White	40 40 40 40 40 40 40 40 40 40
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 164.0° 94 % 0.4 cd/lm 1 White	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity	152.0° / 164.0° 94 % 0.4 cd/lm 1 White G LH181B 142.0° / 151.0°	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	152.0° / 164.0° 94 % 0.4 cd/lm 1 White C LH181B 142.0° / 151.0° 84 % 0.4 cd/lm 1	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	152.0° / 164.0° 94 % 0.4 cd/lm 1 White G LH181B 142.0° / 151.0° 84 % 0.4 cd/lm	20 00 00 00 00 10 00 00 00 00 0
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	152.0° / 164.0° 94 % 0.4 cd/lm 1 White C LH181B 142.0° / 151.0° 84 % 0.4 cd/lm 1	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 164.0° 94 % 0.4 cd/lm 1 White LH181B 142.0° / 151.0° 84 % 0.4 cd/lm 1 White	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	152.0° / 164.0° 94 % 0.4 cd/lm 1 White LH181B 142.0° / 151.0° 84 % 0.4 cd/lm 1 White	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 164.0° 94 % 0.4 cd/lm 1 White LH181B 142.0° / 151.0° 84 % 0.4 cd/lm 1 White	



SAMSUN	10	MA VAI
<u> 21 INI 20 I</u>		90* 90
LED	LM101B	
FWHM / FWTM	137.0° / 143.0°	75 10 7
Efficiency	95 %	200
Peak intensity	0.7 cd/lm	200°
LEDs/each optic	1	30
Light colour	White	45* 400 4
Required components:		
		50
		640
		30* 30
		11 ⁰ 300 15 ⁰
SAMSUN		90* 9c
LED	LM301B	20
FWHM / FWTM	Asymmetric	
Efficiency	80 %	50* 150 66
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	200
Light colour	White	45* 230 42
Required components:		300
Protective plate	a diase	390
i iotective plat	z, yidəs	400
		30° 15° 660 15° 30
LED	SEOUL DC 3030C	
FWHM / FWTM	146.0° / 156.0°	739
Efficiency	79 %	100
Peak intensity	0.3 cd/lm	160 ⁺ 150 60
LEDs/each optic		
	1	20
		-00
Light colour	1 White	200 200 200 200 200 200 200 200 200 200
Light colour Required components:	White	200 200 200 200 200 200 200 200 200 200
Light colour	White	200 200 200 200 200 200 400
Light colour Required components:	White	er 20 20 20 20 20 20 20 20 20 20 20 20 20
Light colour Required components: Protective plate	White	200 200 200 200 200 200 200 200
Light colour Required components: Protective plate	White	30* 30
Light colour Required components: Protective plate	White e, glass	30* 3
Light colour Required components: Protective plate	White	30* 3
Light colour Required components: Protective plate seous semiconductor LED FWHM / FWTM	White e, glass SEOUL DC 3030C 146.0° / 158.0°	30* 3
Light colour Required components: Protective plate scoul semiconductor LED FWHM / FWTM Efficiency	White a, glass SEOUL DC 3030C 146.0° / 158.0° 95 %	30* 3
Light colour Required components: Protective plate scoul semiconouctor LED FWHM / FWTM Efficiency Peak intensity	White e, glass SEOUL DC 3030C 146.0° / 158.0°	30* 3
Light colour Required components: Protective plate scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White a, glass SEOUL DC 3030C 146.0° / 158.0° 95 % 0.5 cd/lm 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2
Light colour Required components: Protective plate stout semiconouctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White a, glass SEOUL DC 3030C 146.0° / 158.0° 95 % 0.5 cd/lm	30* 3
Light colour Required components: Protective plate scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White a, glass SEOUL DC 3030C 146.0° / 158.0° 95 % 0.5 cd/lm 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2
Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White a, glass SEOUL DC 3030C 146.0° / 158.0° 95 % 0.5 cd/lm 1	30* 30 30 30
Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White a, glass SEOUL DC 3030C 146.0° / 158.0° 95 % 0.5 cd/lm 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2



SEOUL		TAYATT
	Z8Y19	90* 90*
LED FWHM / FWTM	140.0° / 150.0°	730 700
Efficiency	80 %	10
Peak intensity	0.4 cd/lm	50* 50*
LEDs/each optic Light colour	1 White	$X \times T X X$
Required components:	White	45* 220 45*
Required components.		30
Protective plate	e, glass	30
		400
		30° 13 ⁵ θ_0^{*} 15° 30°
SEOUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	Z8Y22	730 700
FWHM / FWTM	142.0° / 154.0°	
Efficiency	81 %	60* 60*
Peak intensity	0.3 cd/lm	150
LEDs/each optic	1	200
Light colour	White	6°
Required components:		
Protective plate	e, glass	30
		X X
		30° 13 ⁵ 400 15° 30°
SEOUL		
SEOUL SEMICONDUCTOR	Z8Y22T	90*
FWHM / FWTM	143.0° / 154.0°	75°
Efficiency	95 %	
Peak intensity	0.4 cd/lm	60* 60*
LEDs/each optic	1	20
Light colour	White	45* 5*
Required components:		30
		400
		30* 15* 30* 30*
SEOUL		
SEOUL SEMICONDUCTOR	Z8Y22T	90° - 90°
FWHM / FWTM	142.0° / 153.0°	75* 50 77*
Efficiency	82 %	500
Peak intensity	0.3 cd/lm	60* <u>150</u> 60*
		X X 20 X X
LEDs/each optic	1	
LEDs/each optic	1 White	
Light colour	1 White	5° 50 6°
		e ⁻ 20 e ⁻
Light colour	White	e ^r 20 07
Light colour Required components:	White	-07 - 20 - 07



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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