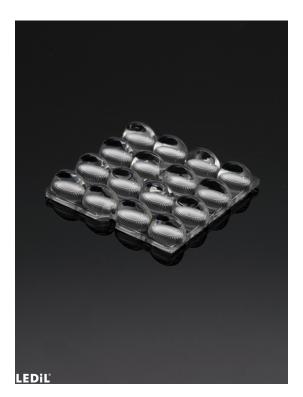


Oval beam for high bay aisles

SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	8.3 mm
ROHS compliant	yes 🛈



MATERIALS:

Component STRADELLA-16-HB-O **Type** Multi-lens

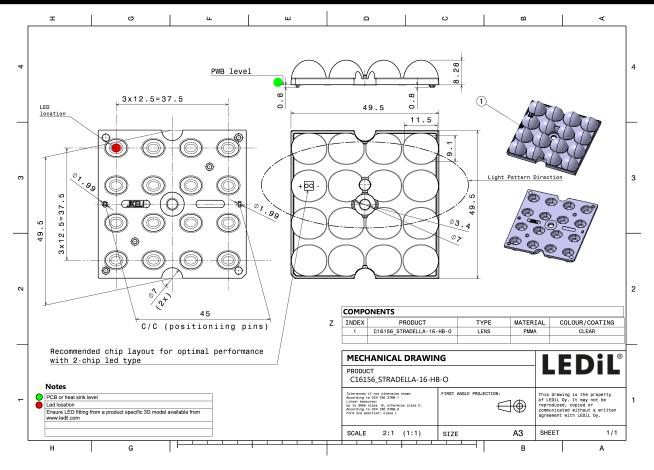
Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component C16156_STRADELLA-16-HB-O » Box size: 476 x 273 x 292 mm

Qty in box	MOQ	MPQ	Box weight (kg)
800		160	8.3





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



		50° 50°
LED	J Series 3030	
FWHM / FWTM	64.0 + 21.0° / 85.0 + 140.0°	
Efficiency	96 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	gr at
Required compone		
		30 ⁵ 30 25 ⁷ 0 ⁰ 15 ⁴
		90* 90
LED	EHP-223.5x50-1604-xx-70-LS30-06-NTC	
FWHM / FWTM	64.0 + 20.0° / 85.0 + 140.0°	
Efficiency	97 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	gr a
Required compone	ents:	
		30* 30
ØNICHI/		
LED		
FWHM / FWTM	NFSx757D 62.0 + 19.0° / 83.0 + 102.0°	
	94 %	
Efficiency Peak intensity	94 % 1.3 cd/lm	90° 400
LEDs/each optic	1.3 ca/im 1	
LEDS/each oplic	ı White	
Required compone		
Required compone	9 IIS.	
		400
		20 ⁴ 25 ⁴ 0 ⁴ 35 ⁴
ØNICHI/	L	90°
LED	NFSx757G	
FWHM / FWTM	63.0 + 20.0° / 84.0 + 103.0°	
Efficiency	94 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	gr de la companya de
Required compone		
	-	
		2014



EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW319B 72.0 + 24.0° / 93.0 + 109.0° 94 % 1 cd/lm 1	
Light colour Required compone		
OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	PrevaLED Brick MP 4x16 64.0 + 20.0° / 85.0 + 103.0° 94 % 1.3 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Duris S5 (2 chip) 63.0 + 20.0° / 84.0 + 177.0° 94 % 1.2 cd/lm 1	
OSRAM	Purple	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Duris S5 (Single chip) 62.0 + 17.0° / 81.0 + 178.0° 94 % 1.4 cd/lm 1 White Ints:	



OSRAM Opto Semiconductors		80°
LED	OSCONIQ S 3030 (QSLR31)	
FWHM / FWTM	64.0 + 21.0° / 84.0 + 103.0°	
Efficiency	94 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
PHILIP	·3	90° 90'
LED	Fortimo FastFlex LED 4x16 DHE G4	
FWHM / FWTM	63.0 + 20.0° / 84.0 + 103.0°	
Efficiency	94 %	60 ⁺
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		1220
		pre de la companya de
SAMS		
		»* »
LED	HiLOM RM64 (LM301B)	
FWHM / FWTM	64.0 + 20.0° / 85.0 + 103.0°	
Efficiency	94 %	60 - 40 - 40 - 40 - 40 - 40 - 40 - 40 -
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		1220
		30 ⁶
SAMS	ING	
LED		
	LM231 A/B	77
FWHM / FWTM	62.0 + 15.0° / 80.0 + 136.0° 94 %	
Efficiency Book intensity		
Peak intensity	1.4 cd/lm	
LEDs/each optic	1 White	
Light colour	White	
Required compone	ants.	
		20 ⁴



SCIC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XLE-S44XTEHE (XT-E HE) 66.0 + 21.0° / 90.0 + 181.0° 94 % 1 cd/lm 1 White	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SEOUL 3030 64.0 + 20.0° / 83.0 + 179.0° 94 % 1.2 cd/lm 1 White ents:	
stoul SHICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SEOUL DC 3030 61.0 + 16.0° / 79.0 + 135.0° 94 % 1.5 cd/lm 1 White ents:	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M3 67.0 + 24.0° / 91.0 + 179.0° 94 % 1 cd/lm 1 White ents:	



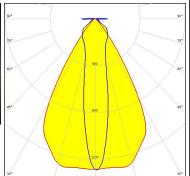
OPTICAL RESULTS (MEASURED):

TRIDONIC

LED
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic
Light colour
Required compon

RLE 4x16 4000lm MP ADV2 OTD 64.0 + 19.0° / 84.0 + 102.0° 94 % 1.3 cd/lm 1 White nents:





TRIDONIC

LED
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic
Light colour
Required compone

RLE 4x8 2000lm MP ADV2 OTD 64.0 + 19.0° / 84.0 + 102.0° 94 % 1.3 cd/lm 1 White ents:



bridgelux.		90° 90°
LED	Bridgelux SMD 2835	
FWHM / FWTM	64.0 + 20.0° / 84.0 + 101.0°	3. 21
Efficiency	94 %	400
Peak intensity	1.3 cd/lm	50* Ot*
LEDs/each optic	1	
Light colour	' White	42. 42.
Required components:	WING	
Required components.		
		30 ⁶ 30 ⁶ 30 ⁶
bridgelux.		30* 30 [*]
LED	CSP 2727 (BXCP)	
FWHM / FWTM	60.0 + 20.0° / 82.0 + 102.0°	75*
Efficiency	93 %	400
Peak intensity	1.3 cd/lm	60°
LEDs/each optic	1	
Light colour	' White	45* 45*
Required components:	WING	500
Required components.		
		30° 30° 30°
bridgelux.		90 ⁴
bridgelux. LED	CSP 2727 (BXCP)	<u>54</u>
LED	CSP 2727 (BXCP) 60.0 + 20.0° / 84.0 + 102.0°	31 31 32
LED FWHM / FWTM	60.0 + 20.0° / 84.0 + 102.0°	90 ⁴ 75 75
LED FWHM / FWTM Efficiency	60.0 + 20.0° / 84.0 + 102.0° 83 %	90 ⁴ 25 26 26 26 26 26 27 27 27 27
LED FWHM / FWTM Efficiency Peak intensity	60.0 + 20.0° / 84.0 + 102.0°	91 ⁴ 91 ⁴ 92
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1	5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White	ç.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White	ç.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White	ç.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White	ç. <u>6</u> ,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White	йл. <u>Пр</u> о ул.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White e, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White e, glass XHP35 HI	25 25 26 26 27 27 27 27 27 27 27 27 27 27 27 27 27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White e, glass XHP35 HI 67.0 + 22.0° / 86.0 + 105.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat CREECS LED FWHM / FWTM Efficiency	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White e, glass XHP35 HI 67.0 + 22.0° / 86.0 + 105.0° 94 %	25 25 26 26 27 27 27 27 27 27 27 27 27 27 27 27 27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat Protective plat	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White e, glass XHP35 HI 67.0 + 22.0° / 86.0 + 105.0° 94 % 1.1 cd/lm	25 25 26 26 27 27 27 27 27 27 27 27 27 27 27 27 27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat Protective plat ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White e, glass XHP35 HI 67.0 + 22.0° / 86.0 + 105.0° 94 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat Protective plat EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White e, glass XHP35 HI 67.0 + 22.0° / 86.0 + 105.0° 94 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat Protective plat EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White e, glass XHP35 HI 67.0 + 22.0° / 86.0 + 105.0° 94 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat Protective plat EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0 + 20.0° / 84.0 + 102.0° 83 % 1.2 cd/lm 1 White e, glass XHP35 HI 67.0 + 22.0° / 86.0 + 105.0° 94 % 1.1 cd/lm 1	



		50° 90°
LED	XP-G2	
FWHM / FWTM	71.0 + 20.0° / -1.0°	73.
Efficiency	87 %	
Peak intensity	1.2 cd/lm	60°
LEDs/each optic	1	
Light colour	White	g24 e2
Required components:		800
		30° 30° 30° 30°
		90° 90°
LED	XP-G2 HE	
FWHM / FWTM	69.0 + 24.0° / 94.0 + 180.0°	19
Efficiency	92 %	
Peak intensity	1 cd/lm	60 ¹² 400
LEDs/each optic	1	
Light colour	White	95
Required components:		
		15° 0° 15°
		90° 90°
	XP-G3	
LED	XP-G3 70.0 + 25.0° / 93.0 + 111.0°	27 J
LED FWHM / FWTM	XP-G3 70.0 + 25.0° / 93.0 + 111.0° 92 %	
LED FWHM / FWTM Efficiency	70.0 + 25.0° / 93.0 + 111.0°	
LED FWHM / FWTM Efficiency Peak intensity	70.0 + 25.0° / 93.0 + 111.0° 92 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1	60 79 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1 White XT-E 67.0 + 18.0° / 83.0 + 102.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1 White XT-E 67.0 + 18.0° / 83.0 + 102.0° 87 % 1.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1 White XT-E 67.0 + 18.0° / 83.0 + 102.0° 87 % 1.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1 White XT-E 67.0 + 18.0° / 83.0 + 102.0° 87 % 1.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1 White XT-E 67.0 + 18.0° / 83.0 + 102.0° 87 % 1.2 cd/lm 1	
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	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1 White XT-E 67.0 + 18.0° / 83.0 + 102.0° 87 % 1.2 cd/lm 1	
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	70.0 + 25.0° / 93.0 + 111.0° 92 % 1 cd/lm 1 White XT-E 67.0 + 18.0° / 83.0 + 102.0° 87 % 1.2 cd/lm 1	



	DS	90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 50.0 + 16.0° / 80.0 + 89.0° 91 % 1.5 cd/lm 1 White	75. 00 ⁴ 57 100 100 100 100 100
	DS	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ 60.0 + 14.0° / 81.0 + 88.0° 94 % 1.6 cd/lm 1 White	77* 440. 900 900 900 1200
		3 ² 10 ⁵ 0 ⁷ 15 ³
	DS	99*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL1Z 58.0 + 12.0° / 72.0 + 84.0° 93 % 1.7 cd/lm 1 White	25, 6, 72, 22, 22, 400 400
ΜΝΙCΗΙΛ		90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NFSWE11A 58.0 + 10.0° / 70.0 + 76.0° 91 % 1.9 cd/lm 1 White	75 60 60 60 60 60 60 60 60 60 60 60 60 60



ΜΝΙCΗΙΛ		90* 90*
LED	NVSW519A	
FWHM / FWTM	76.0 + 27.0° / 94.0 + 110.0°	75* 200
Efficiency	91 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	a. a.
Required components:		600
		30° 30°
		15" 0° 15"
OSRAM Opto Semiconductors		90° 90°
LED	Duris E5	
FWHM / FWTM	20.0 + 63.0° / 85.0 + 88.0°	
Efficiency	94 %	400
Peak intensity	1.4 cd/lm	$r \times / / \wedge \times \gamma$
LEDs/each optic	1	
Light colour	White	azu azu azu
Required components:		
		1220
		30* 36*
OSRAM		
Opto Semiconductors		90* 90*
LED	OSCONIQ C 2424	75 75
FWHM / FWTM	62.0 + 16.0° / 80.0 + 92.0° 94 %	400
Efficiency		60°
Peak intensity LEDs/each optic	1.5 cd/lm 1	
Light colour	' White	43*
Required components:	White	
		1270
		30° 30°
		12° 150 12° 30°
OSRAM Opto Semiconductors		90° 90°
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	68.0 + 20.0° / 89.0 + 102.0°	23. 22.
Efficiency		
1	86 %	60 ⁵ en ⁶
Peak intensity	86 % 1.1 cd/lm	60° 400 60°
Peak intensity LEDs/each optic		50 ⁵ 400 60 ²
	1.1 cd/lm	90 ⁶ 400 60 ² 0 ⁴ 07
LEDs/each optic	1.1 cd/lm 1	
LEDs/each optic Light colour Required components:	1.1 cd/lm 1 White	
LEDs/each optic Light colour	1.1 cd/lm 1 White	
LEDs/each optic Light colour Required components:	1.1 cd/lm 1 White	



OSRAM		
Depts Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 69.0 + 20.0° / 87.0 + 100.0° 94 % 1.2 cd/lm 1 Red	59° 59° 75° 75° 64° - 400 60° 55° 75°
		30 ⁴ 15 ⁵⁰ 0 ⁴ 15 ⁴
SAMSUN	IG	90* 90*
LED FWHM / FWTM Efficiency Peak intensity	LH231B 61.0 + 22.0° / 84.0 + 98.0° 92 % 1.2 cd/lm	13 ¹
LEDs/each optic Light colour Required components:	1 White	ar
		30° 0° 25°
SAMSUN	IG	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH231B 60.0 + 22.0° / 84.0 + 100.0° 82 % 1.1 cd/lm 1 White	751 664 - 400 - 500 - 500
Protective plate	e, glass	30 ⁴ 120 120 120 120 120
SAMSUN	IG	90° 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM301B 19.0 + 63.0° / 83.0 + 97.0° 93 % 1.4 cd/lm 1	
Light colour Required components:	White	30 ⁴ 30 ⁶ 30 ⁷ 30 ⁴ 120 ⁹ 10 ⁷



SECUL SEMICONDUCTOR LED FWHM / FWTM	SEOUL DC 3030C 18.0 + 62.0° / 93.0 + 82.0°	90 ⁴ 90 ⁴
Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	86 % 1.3 cd/lm 1 White e, glass	2 ⁴ 2 ³ 2 ⁴ 2 ⁵ 2 ⁵
stoul seniconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SEOUL DC 3030C 62.0 + 20.0° / 82.0 + 180.0° 94 % 1.4 cd/lm 1 White	
stoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z8Y22T 63.0 + 20.0° / 85.0 + 101.0° 94 % 1.2 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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Distribution Partners www.ledil.com/ where_to_buy

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