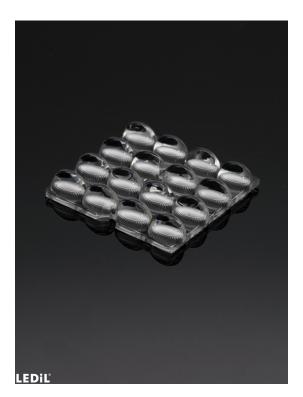


Oval beam for high bay aisles

SPECIFICATION:

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



MATERIALS:

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

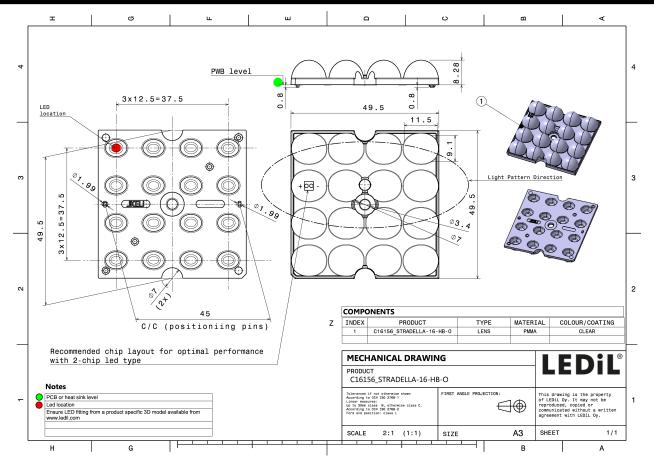
Material	Colour	Finish
PMMA	clear	

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:	



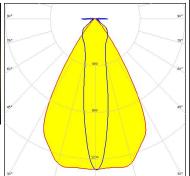
OPTICAL RESULTS (MEASURED):

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	