Report of Test

LL16169

LCL Manufacturing LED Emergency Luminaire. Product ID: AUS80GREENSTARLED. Extruded aluminium housing 1130 x 800 x 800 mm deep. Translucent diffuser forming luminous opening of 1125 x 75 mm. Three Tridonic Stark-LLE24-1250-840-CLA LED boards and one Stark-LLE24-1250-840-CLE EM board. LED panels mounted on white face plate 35 mm above L/O. One Tridonic LCAI 080/350 IO10 one4all 220-240V 0/50/60 Hz LED driver. Photometric test voltage, 6.139 Vdc. For full product details refer thermal report LL1233505T.

Performance Summary		Emergency Classification	
Luminous flux	271.6 lm		
Luminaire Power	4.78 W	C0	D25
		C90	D32

PREPARED FOR : LCL Manufacturing Pty. Ltd., Seven Hills, NSW. 2147.

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Certified Test Report No. LL16169

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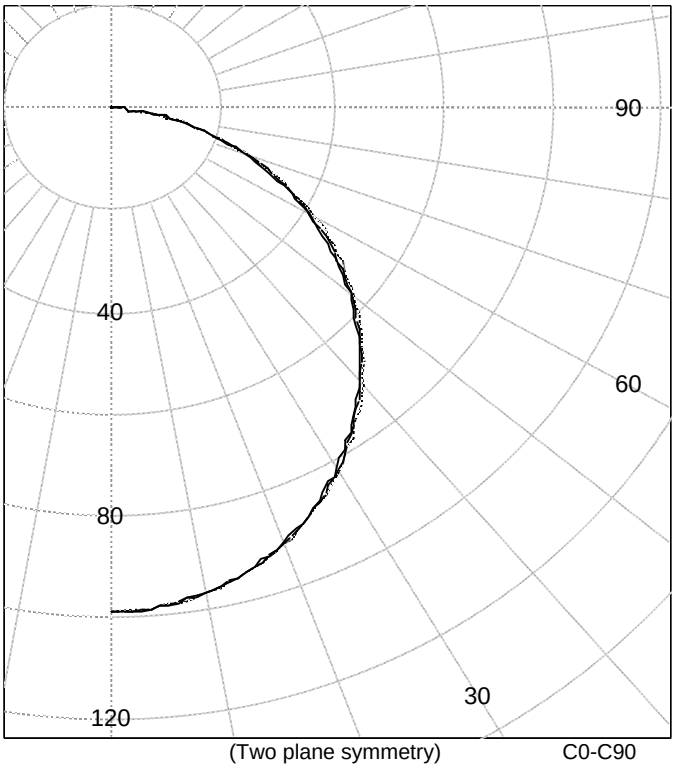
Legend: C0-Solid, C45-Dashed, C90-Grey (cd)



(Two plane symmetry) C0-C90

INTENSITY SUMMARY (cd)

	C-Plane					Flux
Gamma	C0	C22.5	C45	C67.5	C90	(lm)
0.0	98.8	98.8	98.8	98.8	98.8	
5.0	98.4	98.4	98.4	98.2	98.3	9.3
10.0	96.7	96.8	96.9	96.9	96.9	
15.0	94.3	94.2	94.4	94.4	94.4	26.6
20.0	90.6	90.8	90.9	91.1	91.2	
25.0	86.6	86.4	86.8	87.0	87.0	40.0
30.0	81.6	81.6	81.9	82.1	82.1	
35.0	75.8	75.9	76.1	76.6	76.7	47.7
40.0	69.8	69.7	70.0	70.4	70.9	
45.0	63.0	63.1	63.5	63.9	64.3	48.9
50.0	56.2	56.0	56.4	56.8	57.1	
55.0	48.5	48.8	49.0	49.6	49.8	43.9
60.0	41.1	41.0	41.1	41.8	42.2	
65.0	33.0	33.1	33.4	33.8	34.0	33.1
70.0	24.8	24.8	25.1	25.4	25.5	
75.0	17.1	17.1	17.1	17.5	17.4	18.1
80.0	9.3	9.5	9.5	9.6	9.7	
85.0	2.9	3.0	3.1	3.1	3.2	3.9
90.0	0.0	0.0	0.0	0.0	0.0	

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	% Lamp	% Luminaire
0-30	75.9	N / A	28.0
0-40	123.6	N / A	45.5
0-60	216.5	N / A	79.7
0-90	271.6	N / A	100.0
40-90	148.0	N / A	54.5
60-90	55.1	N / A	20.3
90-180	0.0	N / A	0.0
0-180	271.6	N / A	100.0

Light Output Ratio = N / A

CERTIFIED BY:

Toby Southgate
Authorised Signatory

Date of test 19-Dec-2012
Date of report 20-Dec-2012

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Emergency Inverter Model	Tridonic EM Power LED 4W Pro EZ-3
Battery Specification	Saft VHT 7-5Cs Ni-MH 'Sub C' cells x 5
Mounting Orientation	Ceiling mount
Photometric Test Voltage Determination	In accordance with AS 2293.3 2005 Appendix C Section 2.4
Thermal Test Laboratory	LightLab International
Thermal Test Report Number	LL1233505T
Photometric Test Voltage	6.139 Vdc

Best available classifications in accordance with AS 2293.3 2005 Appendix C section 3.

C0 Plane represents: C0, C180	**C90** Plane represents: C90, C270		
A80	A80		
B80	B80		
C80	C80		
D25 (15.3 m.)	**D32 (16.7 m.)**		
E63	E63		

Bold entries represent the classification yielding the maximum spacing between luminaires as ranked by Tables 5.1-5.5 of AS 2293.3 2005 Part 1 when mounted at a height of 2.7 metres. Spacing distance is bracketed.
For the ranking and spacing distance of luminaires mounted at other heights, refer to tables 5.1-5.5.

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Test Distance: 8.0 metres

Test Temperature: 25.4 degrees Celsius

Significance: This laboratory has no control over the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent that the test sample is representative of production units.

Special Notes:

The intensity values contained in this report are shown as tested. When using these values in calculations the appropriate Ballast Factor and Manufacturer's rated lumens MUST be taken into account.

It should also be noted that prorating the lumen output for the use of other lamp/ballast combinations, or for use in different environmental conditions, than that tested may produce erroneous results.
The generic term "LOR" is used in this report, it denotes the "Light Output Ratio Luminaire" as defined in Australian Standard AS1680, Part 3, 1991, Section 1.3.9.

This report is free of erasures and corrections.

Photometric intensity values are reported using the CIE Cgamma coordinate system as described in CIE Publication number 121.

Uncertainties: At the 95% confidence interval with a factor k = 2, the uncertainties for this report are :-

Temperature	+/- 1 degree Celsius
Light Output Ratio	+/- 4%
Luminous Intensity	+/- 4%
Angular displacement	+/- 0.25 degrees.

Testing Procedure: Tested in accordance with the applicable sections of CIE Publication Number 121; and with reference to Australian Standard AS1680, Part 3, 1991.

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