

# Report of Test LL21933

Product ID: HIP/1445/SM/WHT/OV/HE G5/450mA/4K/DIM (Standalone Maintained).

Darkon Emergency LED Luminaire. Extruded aluminium body with white finish, extent ~ 1445 x 70 x 77 mm deep. Translucent diffuser forms luminous opening of 1405 x 60 mm. Folded white reflector about LEDs. Five Tridonic LLE 24x280mm 650lm 840 HV ADV5 PCBs centred ~ 29 mm above L/O. One Tridonic LCA 75W 350-1050mA one4all Ip PRE 220-240V 50/60Hz electronic driver, set to "0450mA" output. Tested at 3.627 Vdc. For full product details refer test report LL1914405T.



## Performance Summary

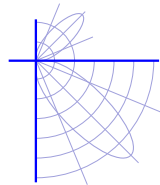
Luminous flux	375 lm
Luminaire Power	3.25 W
Luminous Efficacy	115 lm/W

## Emergency Classification

C0	D40
C90	D40

**PREPARED FOR : Darkon Pty. Ltd., 110 Cromwell St., Collingwood, VIC 3066.**



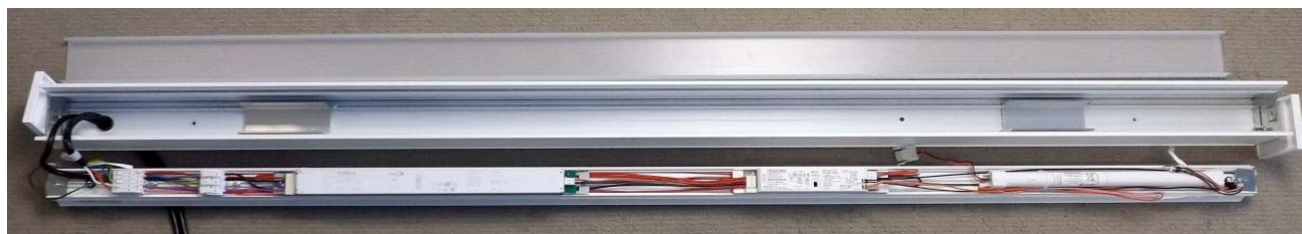
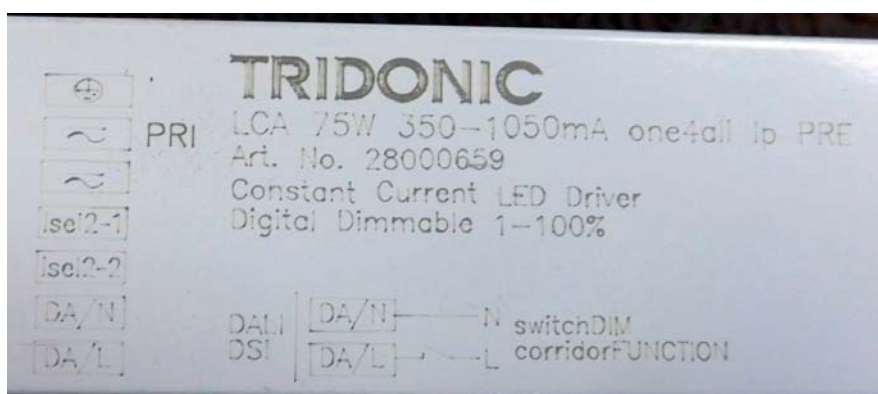


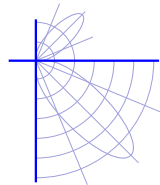
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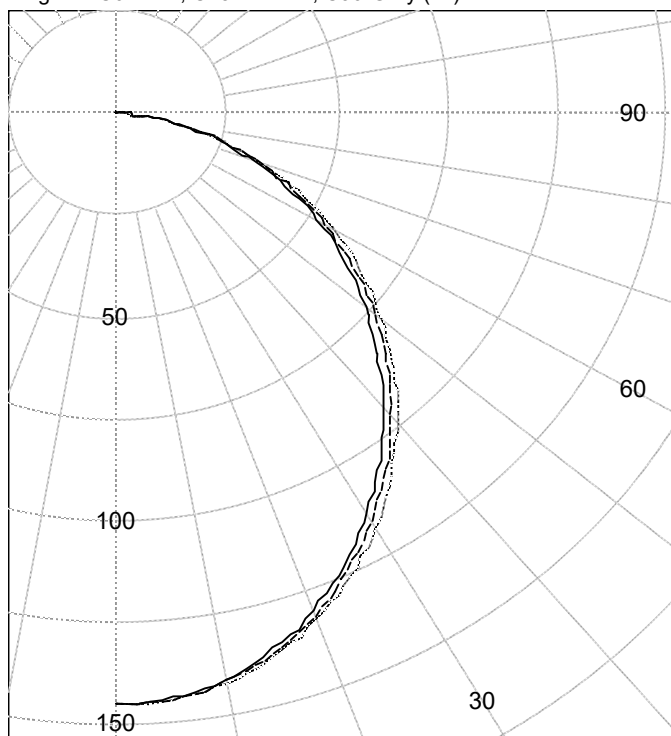
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Legend: C0-Solid, C45-Dashed, C90-Grey (cd)



### INTENSITY SUMMARY (cd)

Gamma	C-Plane					Flux (lm)
	C0	C22.5	C45	C67.5	C90	
0.0	146	146	146	146	146	14
5.0	144	145	145	145	145	
10.0	141	142	142	142	142	
15.0	136	137	137	138	138	39
20.0	130	131	131	132	133	57
25.0	123	123	124	125	126	
30.0	114	115	116	117	117	
35.0	104	105	107	108	109	67
40.0	94	95	96	98	99	67
45.0	84	85	87	88	89	
50.0	74	75	76	78	78	
55.0	63	64	65	67	68	58
60.0	52	53	54	56	56	43
65.0	42	43	44	45	46	
70.0	32	33	33	34	34	
75.0	22	23	23	23	23	24
80.0	13	13	13	13	13	6
85.0	5	5	5	5	4	
90.0	0	0	0	0	0	

### ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	% Lamp	% Luminaire
0-30	110	N / A	29.2
0-40	176	N / A	47.0
0-60	301	N / A	80.3
0-90	375	N / A	100.0
40-90	199	N / A	53.0
60-90	74	N / A	19.7
90-180	0	N / A	0.0
0-180	375	N / A	100.0

Total Light Output = 375 lm

CERTIFIED BY:

Toby Southgate  
Authorised Signatory

Date of test

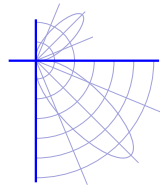
18-Jun-2019

Date of report

21-Jun-2019



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Emergency Inverter Model	Tridonic - MconverterLED BASIC 203 NiCd 90V
Battery Specification	GP Battery – GP400LALHT Ni-mh cells x 3
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	LL1914405T
Photometric Test Voltage	3.627 Vdc

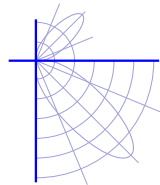
Best available classifications in accordance with AS 2293.3 2005 Appendix C section 3.

<b>C0</b> Plane represents: C0, C180	<b>C90</b> Plane represents: C90, C270		
A125 B125 C125 <b>D40 (18 m.)</b> E80	A125 B125 C125 <b>D40 (18 m.)</b> E80		

Bold entries represent the classification yielding the maximum spacing between luminaires as ranked by Tables 5.1-5.5 of AS 2293 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:** 24.2 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.

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.

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

**Measurement Uncertainties:** Measurement uncertainties are available on request

