

Report of Test LL22295

Product ID: MRS T/1445/SM/WHT/OV FLUSH/HE/450mA/EMERGENCY/STANDALONE MAINTAINED.

Darkon Emergency LED Profile. Extruded aluminium body with white finish, extent ~ 1446 x 101 x 128 mm deep. Opal diffuser forms luminous opening of 1405 x 91 mm. White reflector about LEDs. Two each of Tridonic LLE 24x560mm 1300lm 840 HV ADV5 & LLE 24x140mm 325lm 840 HV ADV5 PCBs centred 90 mm above L/O. One Tridonic LCA 75W350-1050mA one4all Ip PRE 220-240V 50/60Hz electronic driver. Tested at 3.640 Vdc. For full product details refer test report LL1931504T.



Performance Summary

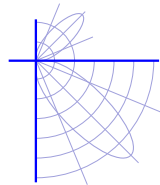
Luminous flux	278 lm
Luminaire Power	3.29 W
Luminous Efficacy	84.3 lm/W

Emergency Classification

C0	D32
C90	D32

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

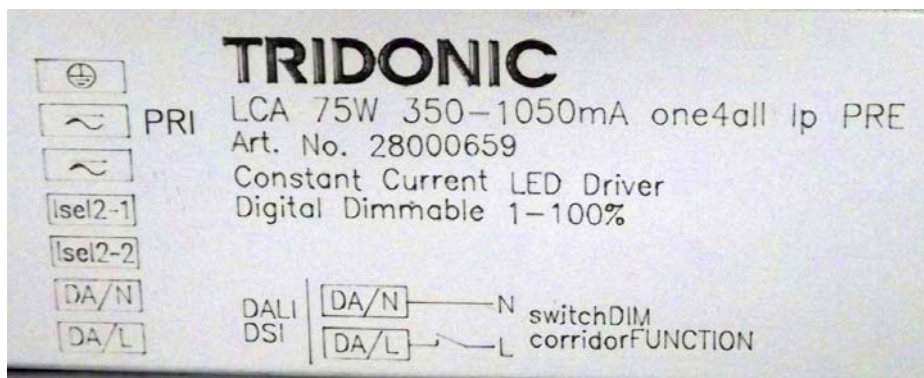


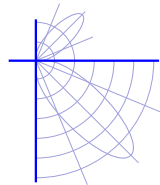


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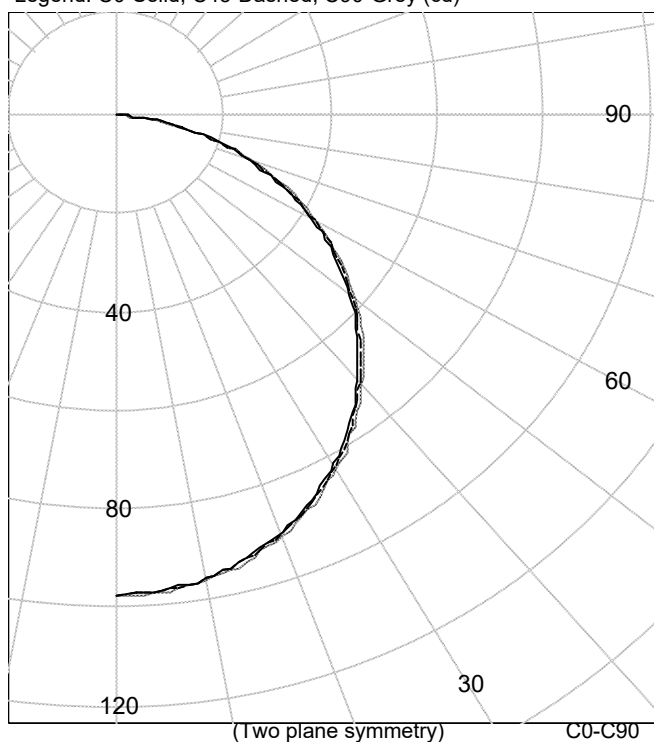


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Legend: C0-Solid, C45-Dashed, C90-Grey (cd)



INTENSITY SUMMARY (cd)

Gamma	C-Plane					Flux (lm)
	C0	C22.5	C45	C67.5	C90	
0.0	97.7	97.7	97.7	97.7	97.7	
5.0	97.4	97.2	97.2	97.4	97.5	9
10.0	95.6	95.8	95.9	96.0	96.3	
15.0	93.5	93.8	93.6	93.8	94.2	26
20.0	90.4	90.5	90.6	90.9	91.2	
25.0	86.4	86.5	86.9	87.1	87.4	40
30.0	81.7	81.8	82.2	82.5	82.7	
35.0	76.5	76.6	77.1	77.4	77.7	48
40.0	70.5	70.6	71.0	71.5	71.6	
45.0	63.9	64.2	64.6	64.9	65.5	50
50.0	57.3	57.5	57.8	58.5	58.5	
55.0	49.9	50.2	50.6	50.8	51.3	45
60.0	42.4	42.3	42.9	43.1	43.3	
65.0	34.5	34.5	35.0	35.1	35.1	34
70.0	26.3	26.3	26.6	26.9	26.9	
75.0	18.3	18.3	18.6	18.5	18.6	19
80.0	10.6	10.8	10.7	10.4	10.1	
85.0	4.2	4.1	3.8	3.6	3.8	5
90.0	0.0	0.0	0.0	0.0	0.0	

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	% Lamp	% Luminaire
0-30	76	N / A	27.3
0-40	124	N / A	44.6
0-60	219	N / A	78.9
0-90	278	N / A	100.0
40-90	154	N / A	55.4
60-90	59	N / A	21.1
90-180	0	N / A	0.0
0-180	278	N / A	100.0

Total Light Output = 278 lm

CERTIFIED BY:

Toby Southgate
Authorised Signatory

Date of test

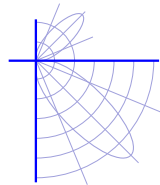
29-Nov-2019

Date of report

12-Dec-2019



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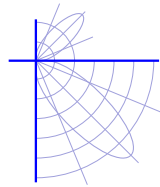
Emergency Inverter Model	Tridonic EMconverterLED BASIC 203 NiCd/NiMH 90V
Battery Specification	GP Battery GP400LALHT NiMH cells x 3
Mounting Orientation	Ceiling mount
Photometric Test Voltage Determination	In accordance with AS 2293.3 2005 Appendix C Section 2.4
Thermal Test Laboratory	LightLab International
Thermal Test Report Number	LL1931504T
Photometric Test Voltage	3.640 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 B80 C80 D32 (16.7 m.) E63	A80 B80 C80 D32 (16.7 m.) E63		

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: 24.6 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

