



**Compliance Testing Report For  
Australian Standard AS/NZS 60598.1:2017  
Luminaires – Part 1: General requirements and tests  
(Partial Testing to Clause 9.2 - Resistance to Dust, Solid  
Objects and Moisture)**

Client:	Darkon Pty Ltd
Address:	110 Cromwell St, Collingwood, VIC 3066, Australia
Report Number:	0122DARWYN_5981P
Date of Testing:	9 <sup>th</sup> - 19 <sup>th</sup> January 2018
File Number:	DAR171213
Equipment Name:	WYN IP44
Equipment Model Number:	WYN IP44 / 1452 / REC / INT WHT / EXT WHT / CLEAR LENS / HE / 400mA / 3K / NON DIM
Equipment tradename/brand name:	WYN IP44
Equipment Description:	IP rated linear LED luminaire
Result:	<b>COMPLIES*</b>
Complied By:	Darren Li 
Approved By:	Leo Zhou 
Date of Issue:	22 <sup>nd</sup> January 2018
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**SUMMARY OF COMPLIANCE WITH AUSTRALIAN STANDARD AS/NZS 60598.1:2017 - CLAUSE 9.2 - RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE**

The EUT (Equipment Under Test) known as a WYN IP44, IP rated linear LED luminaire, model number WYN IP44 / 1452 / REC / INT WHT / EXT WHT / CLEAR LENS / HE / 400mA / 3K / NON DIM was supplied for AS/NZS 60598.1:2017, IP44 testing only by Darkon Pty Ltd of 110 Cromwell St, Collingwood, VIC 3066, Australia.

The EUT consisted of:  
1 x WYN IP44, IP rated linear LED luminaire, class I, rated at 240VAC, 50/60 Hz, 0.5A Max.

The EUT was tested according to the requirements of IP44 of AS/NZS 60598.1:2017 clause 9.2 with reference to AS 60529:2004. The EUT was tested to both wall mount and ceiling mount orientation. IP44 testing only applied on the front part (room side) of the recessed luminaire.

The WYN IP44, IP rated linear LED luminaire, model number WYN IP44 / 1452 / REC / INT WHT / EXT WHT / CLEAR LENS / HE / 400mA / 3K / NON DIM **COMPLIES** with the tested clauses for IP44 of AS/NZS 60598.1.

**Method**

Testing was performed in accordance with the standard.

**Possible Test Case Verdicts:**

- Test case does not apply to the test object ..... **N (N.A)**
- Test object does meet the requirements ..... **P (Pass)**
- Test object does not meet the requirements ..... **F (Fail)**
- Testing was not performed ..... **NT**
- Noted ..... **ND**

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AS/NZS 60598.1			
Clause	Requirement – Test	Result - Remark	Verdict
9	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE		—
9.1	General		—
9.2	Tests for ingress of dust, solid objects and moisture		P
	- classification according to IP .....	IP44	P
	- mounting position during test.....	Positioned as in normal use. Wall mount and ceiling mount orientation	P
	- fixing screws tightened; torque (Nm) .....		P
	- tests according to clauses .....		P
	- electric strength test afterwards	See Table 10.2.2	P
	a) no deposit in dust-proof luminaire		N
	b) no talcum in dust-tight luminaire		N
	c) no trace of water on current-carrying parts or where it could become a hazard	Result: No water entry observed	P
	c) i) For luminaires without drain holes – no water entry		P
	c) ii) For luminaires with drain holes – no hazardous water entry		N
	d) no water in watertight luminaire		N
	e) no contact with live parts (IP2X)		N
	e) no entry into enclosure (IP3X and IP4X)		P
	e) no contact with live parts (IP3X and IP4X)		P
	f) no trace of water on any part of a lamp requiring protection from splashing water		P
	g) no damage, cracking or breakage		P
9.2.0	Tests	IP44	P
9.2.1	Dust-proof luminaires		N
9.2.2	Dust –tight luminaires		N
9.2.3	Drip-proof luminaires		N
9.2.4	Rain-proof luminaires		N
9.2.5	Splash-proof luminaires		P
9.2.6	Jet-proof luminaires		N
9.2.7	Powerful water jet-proof luminaires		N

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AS/NZS 60598.1						
Clause	Requirement – Test	Result - Remark				Verdict
9.2.8	Watertight luminaires					N
9.2.9	Pressure watertight luminaires					N
10.2.2	Electric strength					P
Insulation of parts		Test voltage V				
		Class I luminaires		Class II luminaires		Class III luminaires
SELV:						
Between current-carrying parts of different polarity						
Between current-carrying parts and the mounting surface *						
Between current-carrying parts and metal parts of the luminaire						
Between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal						
Insulating bushings as described in Section 5						
Other than SELV:						
Between live parts of different polarity		-	-			
Between live parts and the mounting surface *		b	1480 V			
Between live parts and metal parts of the luminaire		b	1480 V 2960V(Diffuser)			
Between live parts which can become of different polarity through action of a switch		-	-			
Between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal		-	-			
Insulating bushings as described in Section 5		-	-			
Between Live parts to foil around external unearthed glass enclosure		-	-			
Basic insulation for voltages of SELV (a)		500				
Basic insulation for voltages other than SELV (b)		2U + 1000				
Supplementary insulation (c)		2U+1000				
Double or reinforced insulation (d)		4U + 2000				
* The mounting surface is covered with metal foil for the purpose of this test.						
U = working voltage						

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AS/NZS 60598.1			
Clause	Requirement – Test	Result - Remark	Verdict

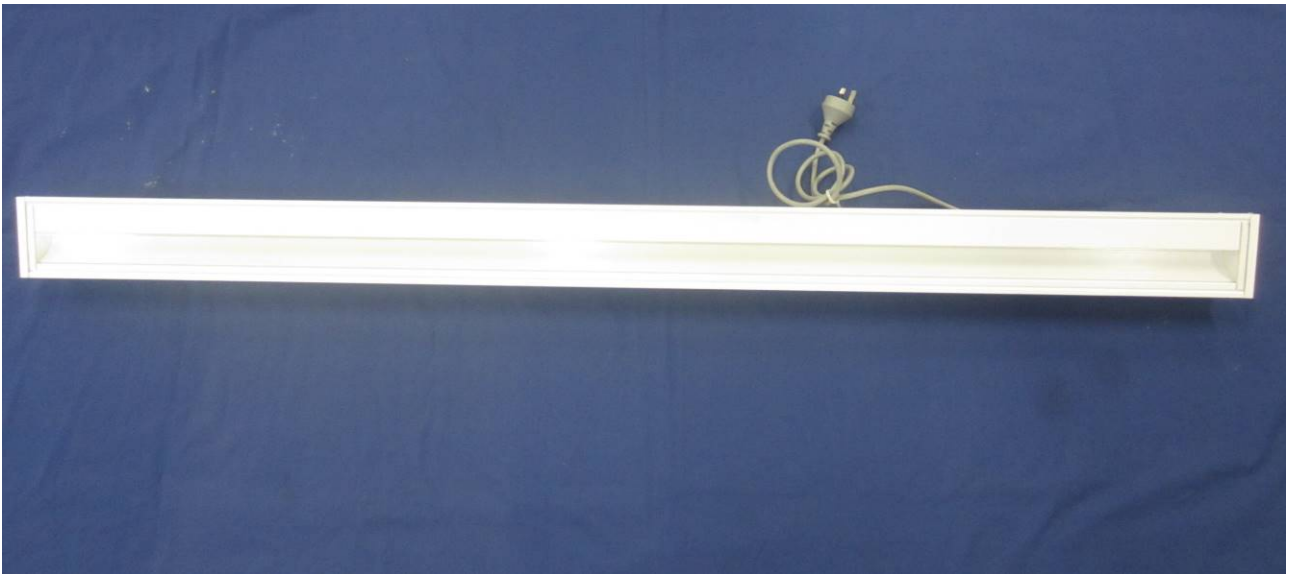
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### Appendix 1 – Photographic Record of Sample

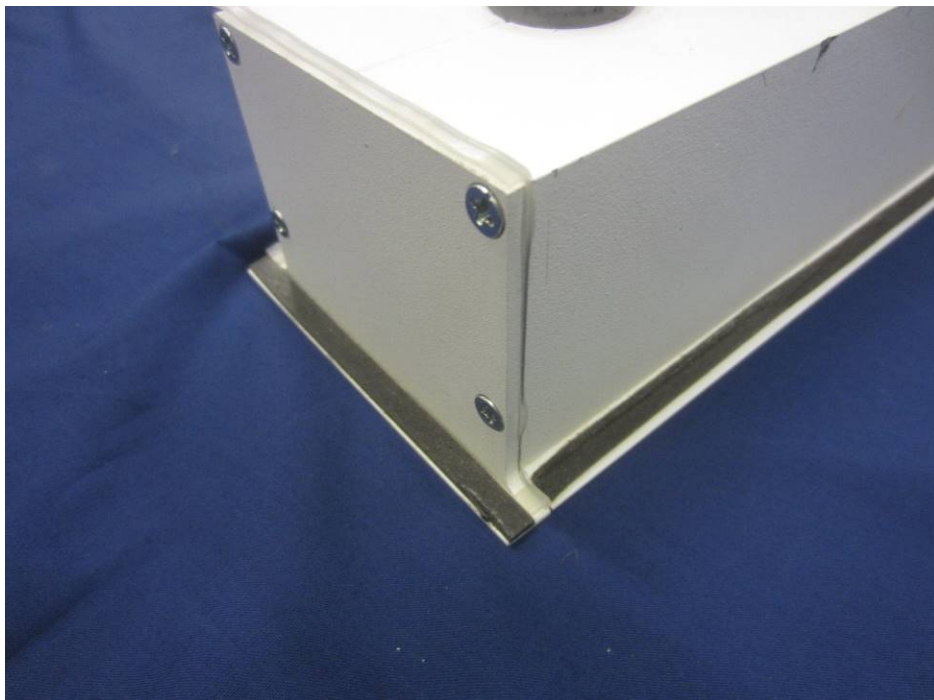


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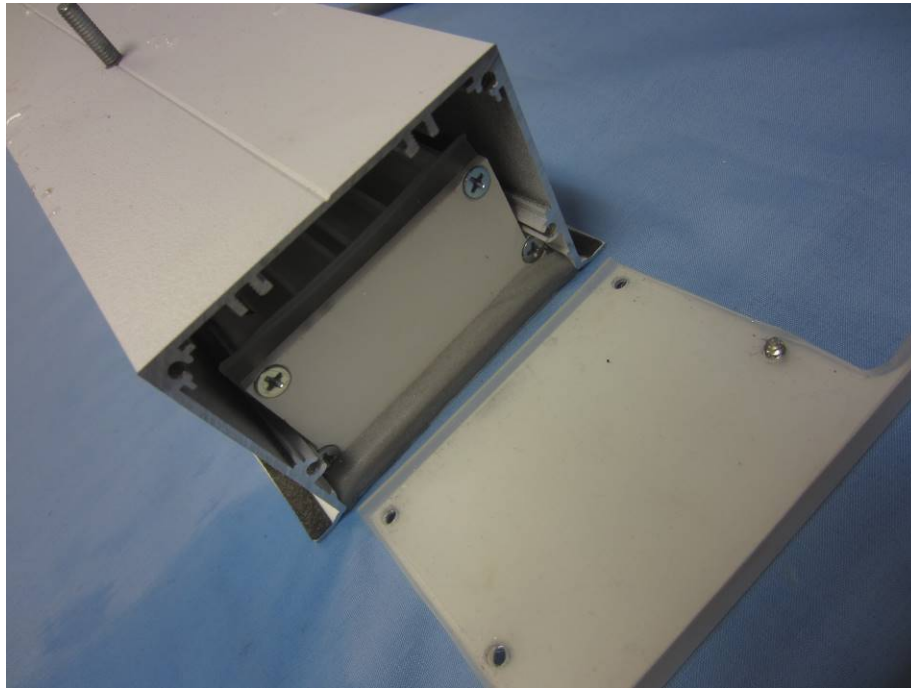


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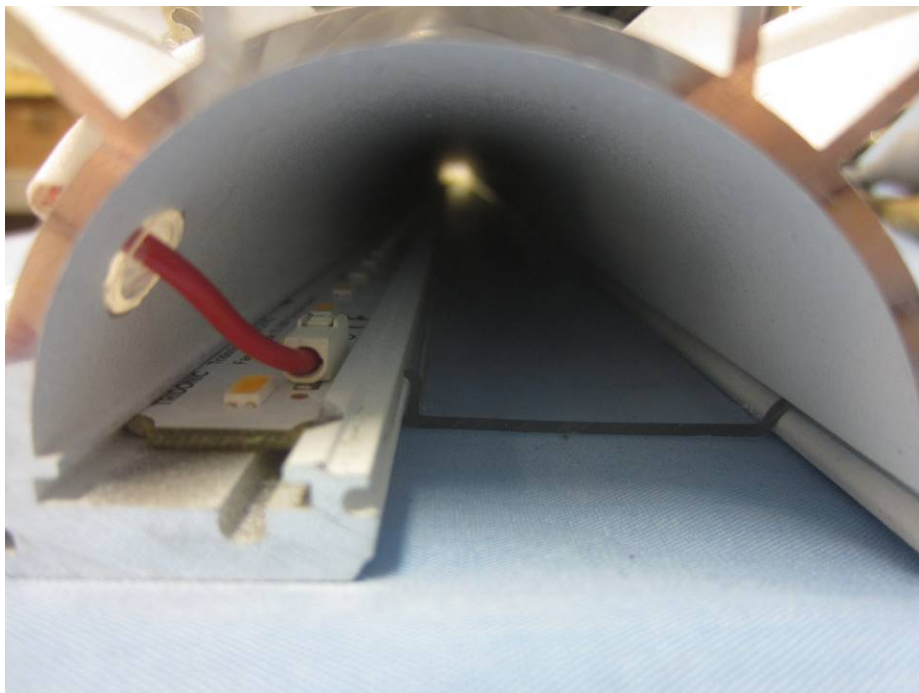
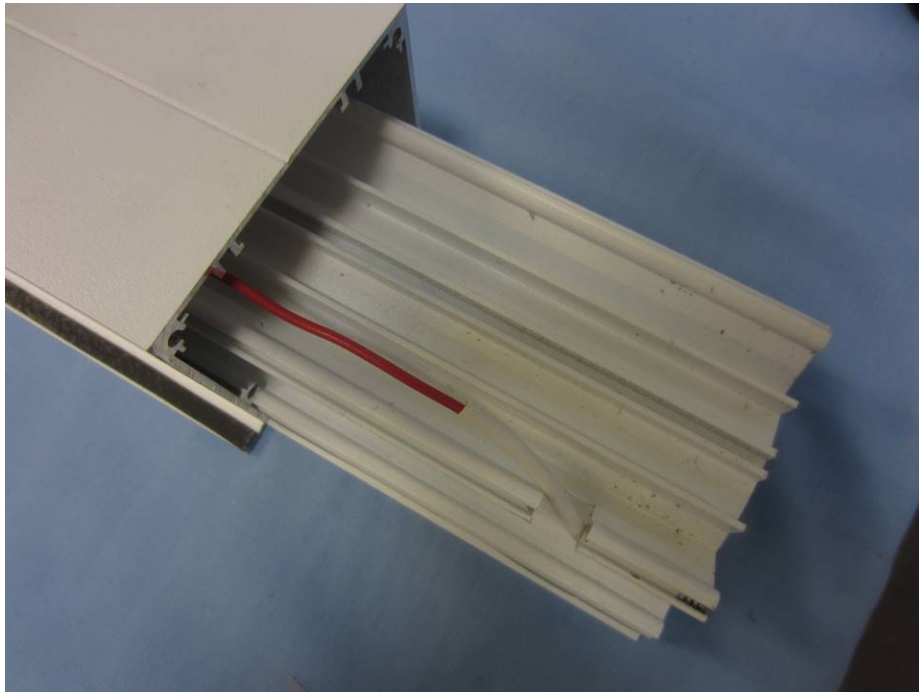
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## Appendix 2 Rating Label



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