lightplan

Test

Andrew

Client: Andrew

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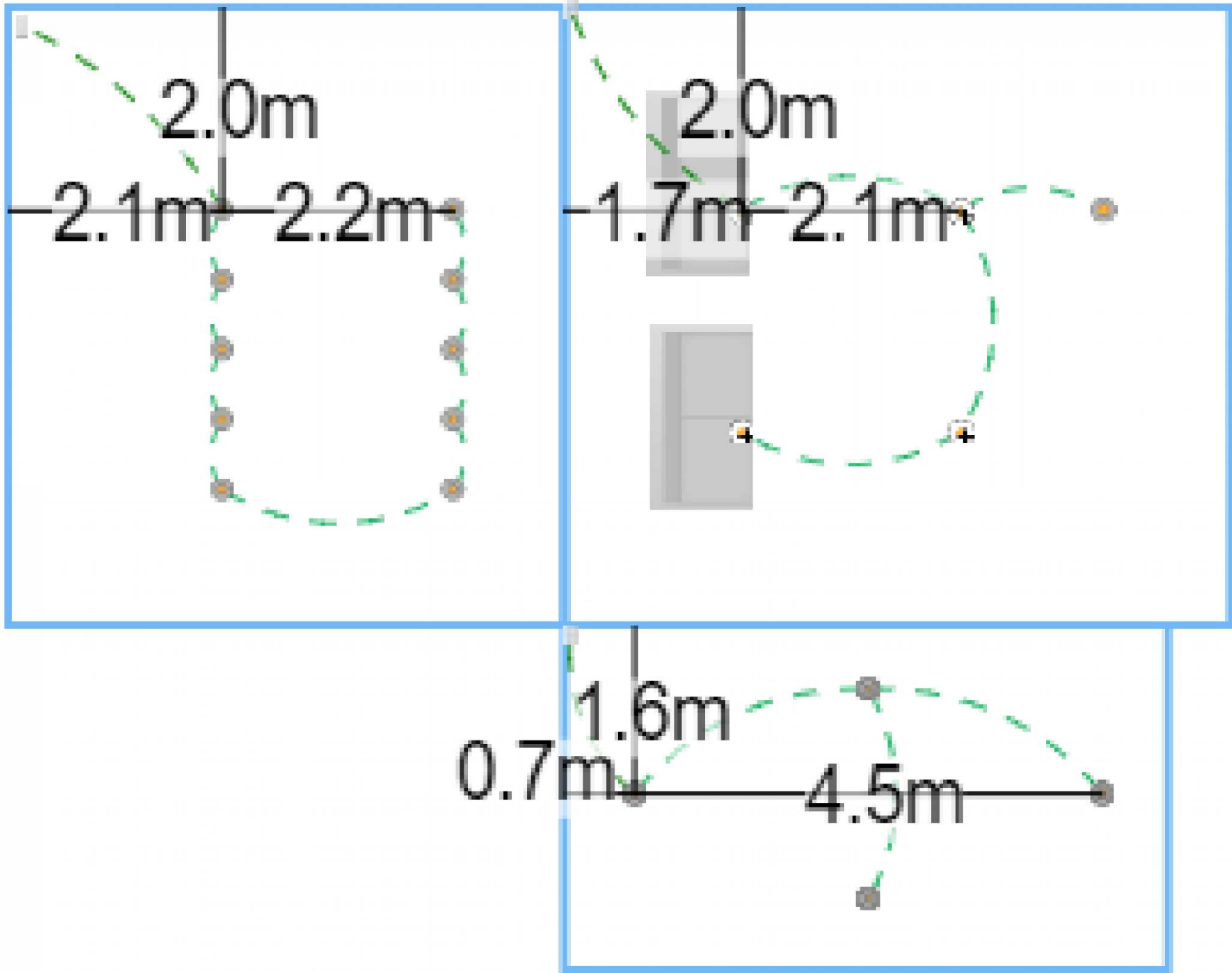
Area 1

Area 1 summary

Electrical

Total Power: 200.7W

Legal Power Limit: 5W p/sqm

Average Power: 2.2W p/sqm

Photometric

Recommended Lumens: 9170lm

Reached Lumens: 12062lm

Summary

Product	Units
⊕ D700+-CR-3K-55-W	4
◉ D900-CR-3K-45-S	1
light-switch	3
Solar panel (Tindo Solar)	2
⊗ D700-CR-3K-60-S	4
◉ D550-CR-3K-36-S	10
Wiring	~29.32m

Measurements shown on plan:
2.0m, 2.1m, 2.2m, 2.0m, 1.7m, 2.1m, 1.6m, 0.7m, 4.5m

Lighting Design	PREPARE FOR: Area 1	Client: Andrew	Designer: Andrew
		Date: 10/12/2015	Contact:
		Square Metres: 90.8sqm	Email: andrewk@brightgreen.com

Summary

Area 1 - Room 1

Electrical

Total Power: 71.7W

Recommended Wattage: 194W

Average Power: 1.8W p/sqm

Photometric

Recommended Lumens: 2886lm

Reached Lumens: 3800lm

Reflectivity: Light

Assets

d700+-cr-3k-55-w: 4

d900-cr-3k-45-s: 1

light-switch: 1

Solar panel (Tindo Solar): 2

Area 1 - Room 3

Electrical

Total Power: 42W

Recommended Wattage: 98W

Average Power: 2.1W p/sqm

Photometric

Recommended Lumens: 1461lm

Reached Lumens: 2812lm

Reflectivity: Light

Assets

d700-cr-3k-60-s: 4

light-switch: 1

Area 1 - Toilet

Electrical

Total Power: 87W

Recommended Wattage: 162W

Average Power: 2.7W p/sqm

Photometric

Recommended Lumens: 4823lm

Reached Lumens: 5450lm

Reflectivity: Light

Assets

d550-cr-3k-36-s: 10

light-switch: 1
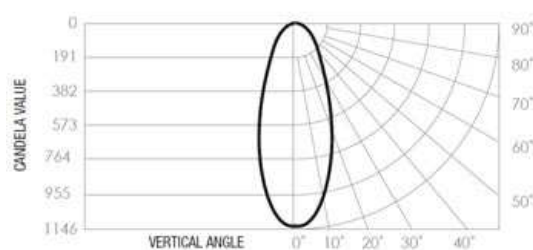
D900 Curve LED downlight
Datasheet

Product codes

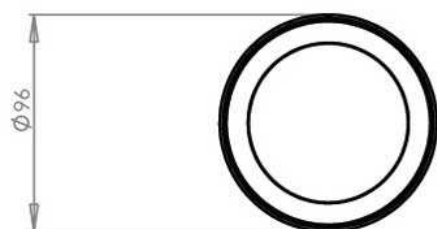| Unit:	Family:	Colour temp. (K):	Beam angle (°):	Colour:
D900	CR	3K	45	S (Silver)
		5K	55	W (White)
		CH	9030	

Photometrics

Lumen output: 920lm
Colour temp.: 3000K
Efficacy: 59lm/W
Beam angle: 45°

Dimensions (mm)

Front view

Ø96

Side view

140

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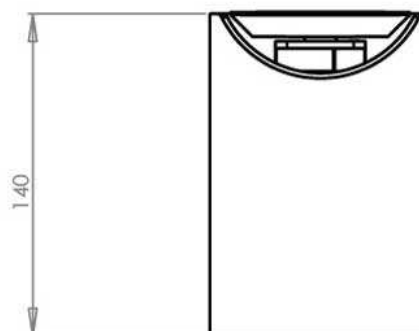
Electrical

Power Usage: 15.7W	**Driver Power Factor:** >0.9	**IP Rating:** IP40	**Surge Protection:** 3100V	**Cable Length:** 1.5m
Dimming Range: 3-100%	**Driver:** BG-DRV:A-900/20-V2	**Input Voltage:** 220-240V		

Operational

Ambient Temp.: -28 to 70ºC	**Efficacy:** 58lm/W or 59lm/W or 61lm/W or 65lm/W or 68lm/W or 64lm/W	**Operating Temp.:** -30 to 81ºC	**Average Temp.:** 56ºC	**Lifetime:** 70000 hrs

Physical

Warranty: 7 years	**Gimble Angle:** ±15º	**Weight:** 700g

Compatibility

Recommended Dimmers:
Clipsal Universal,
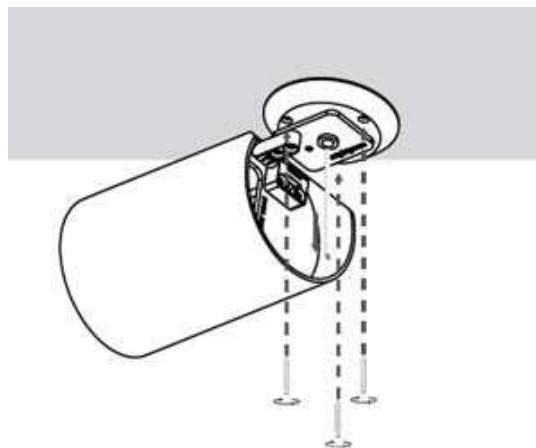Clipasal Trailing edge,
Legrand 400T, Trailing edge

*Compatible with many centralised control systems.
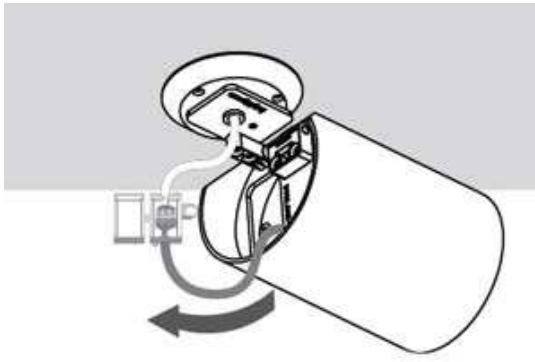
Installation
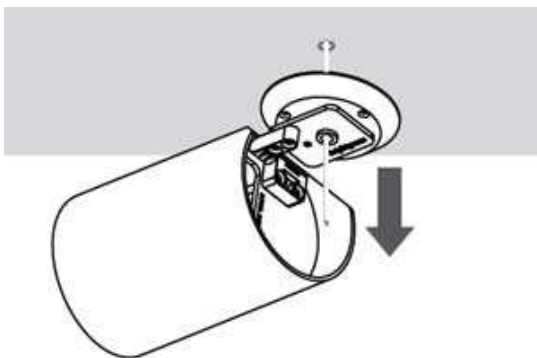
Step 1
- Thread the power cable through the base plate and align the base plate to the roof.

Step 2
- Fasten the base plate to the roof using the provided screws.
* For more information refer to D900 SHX Installation Guide.

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Step 3
- Remove the junction box from the back cavity of the D900 SHX.
- Open the junction box and connect the power cable to the junction box.
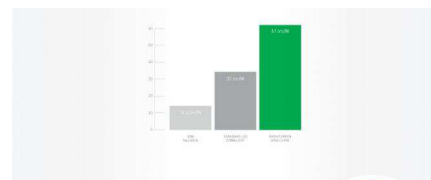- Re-attach cover of junction box inline with Australian standards.
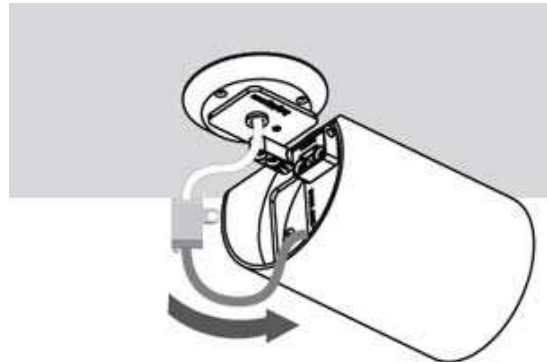
Step 4
- Slot the junction box back into the D900 SHX cavity.

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D400 Curve LED downlight
Datasheet

TRU COLOUR

Product codes

Unit:	Family:	Colour temp. (K):	Beam angle (°):	Colour:
D400	CR	3K	36	S (Silver)
		5K		W (White)

Electrical

Power Usage:	Driver Power Factor:	IP Rating:	Surge Protection:	Cable Length:
7W	>0.9	IP44	3100V	1.5m

Dimming Range:	Driver:	Input Voltage:	Colour Temperature:	
3-100%	ED-CU3506HPA	220-240V	3000K or 5000K	

Operational

Ambient Temp.:	Lumen Output:	Efficacy:	Beam Angle:	Light Quality:
-28 to 65ºC	400lm or 444lm	57lm/W or 63lm/W	36º	95CRI

Operating Temp.:	Average Temp.:	Lifetime:		
-30 to 85ºC	64ºC	70000 hrs		

Physical

Warranty:	Gimble Angle:	Weight:	Fascia Colour:
7 years	±15º	310g	White or Silver

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D700 Curve LED downlight
Datasheet

TRU COLOUR

Product codes

Unit:	Family:	Base type:	Colour temp. (K):	Beam angle (°):	Colour:
D700	CR	GU10	3K	40	W (White)
			4K	60	

Electrical

Power Usage:	Driver Power Factor:	IP Rating:	Surge Protection:	Cable Length:
10.5W	~0.95	IP30	3100V	1.5m

Dimming Range:	Input Voltage:	Colour Temperature:
10-100%	240V	3000K or 4000K

Operational

Ambient Temp.:	Lumen Output:	Efficacy:	Beam Angle:	Light Quality:
-28 to 60ºC	720lm or 703lm or 756lm or 738lm	69lm/W or 67lm/W or 72lm/W or 70lm/W	40º or 60º	83CRI

Operating Temp.:	Average Temp.:	Lifetime:
-30 to 85ºC	65ºC	40000 hrs

Physical

Warranty:	Type:	Gimble Angle:	Weight:	Fascia Colour:
3 years	GU10	±15º	200g	White

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D700+ Curve LED downlight
Datasheet

TRU COLOUR

Product codes

Unit: D700+	Family: CR	Colour temp. (K): 3K	Beam angle (°): 55	Colour: B (Black) W (White)

Electrical

Power Usage: 13W	IP Rating: IP20	Dimming Range: Yes%	Colour Temperature: 3000K

Operational

Ambient Temp.: -28 to 60ºC	Lumen Output: 675lm	Beam Angle: 55º	Light Quality: 90CRI	Average Temp.: 65ºC

Lifetime: 40000 hrs

Physical

Warranty: 7 years	Weight: 485g	Fascia Colour: White or Black

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