



## Test

Andrew

Client: Andrew



**brightgreen**

Area 1

Area 1 summary

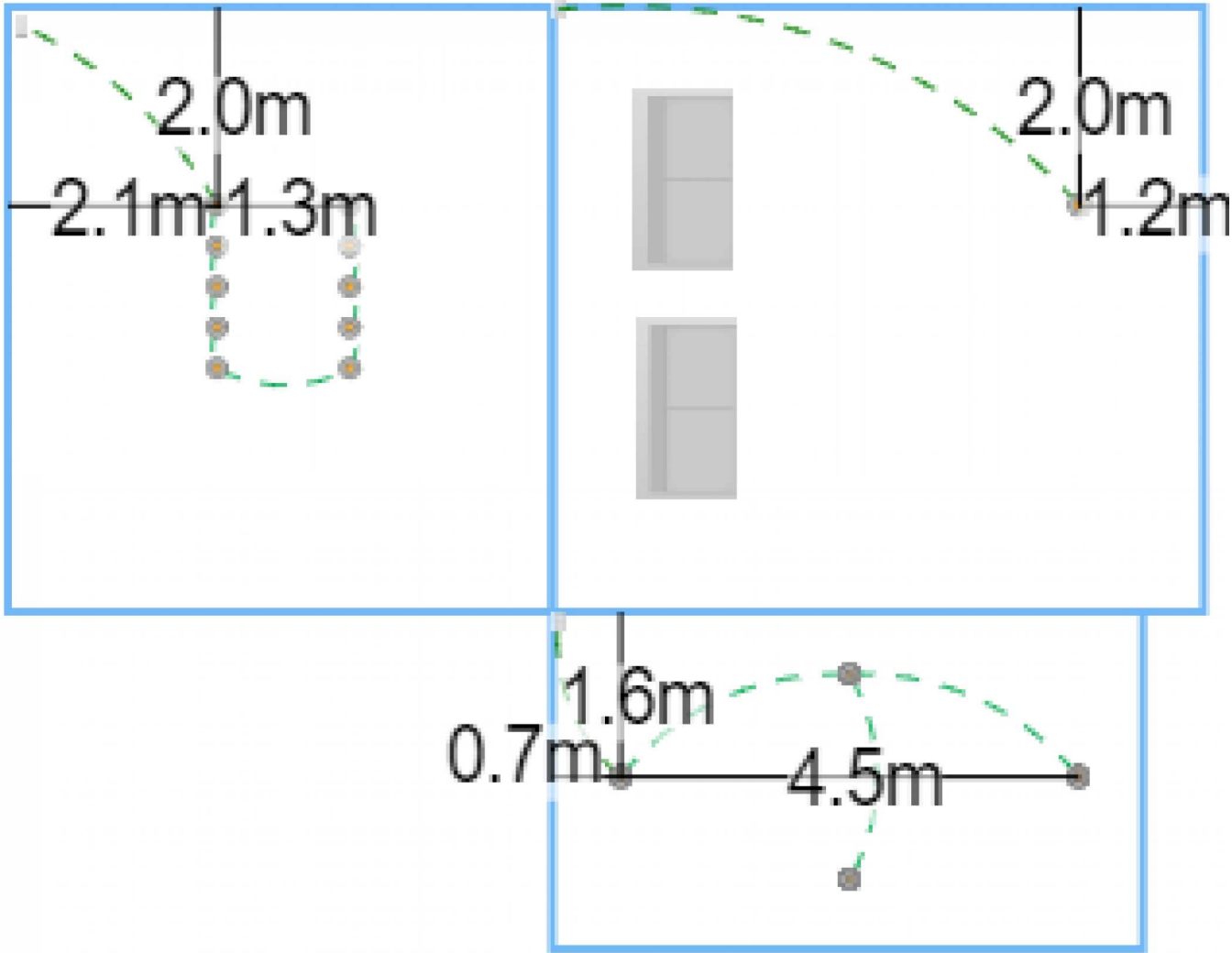
Electrical

Total Power: 144.7W
Legal Power Limit: 5W p/sqm
Average Power: 1.6W p/sqm

Photometric

Recommended Lumens: 9170lm
Reached Lumens: 9182lm

Summary



Product	Units
D900 Cr 3k 45 S	1
light-switch	3
solar-panel	2
D700 Cr 3k 60 S	4
D550 Cr 3k 36 S	10
Wiring	~21.38m

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: 15.7W

Recommended Wattage: 194W

Average Power: 0.4W p/sqm

### Photometric

Recommended Lumens: 2886lm

Reached Lumens: 920lm

Reflectivity: Light

### Assets

D900 Cr 3k 45 S: 1

light-switch: 1

solar-panel: 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

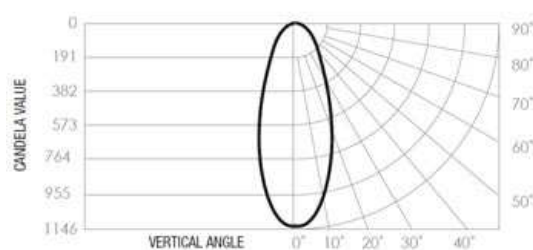
## Datasheet



### Product codes

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

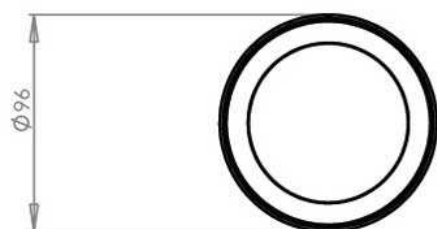
### Photometrics



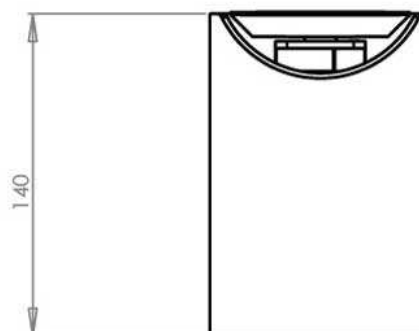
Lumen output: 920lm  
 Colour temp.: 3000K  
 Efficacy: 59lm/W  
 Beam angle: 45°

### Dimensions (mm)

Front view



Side view



## Electrical

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

## Operational

<b>Ambient Temp.:</b> -28 to 70°C	<b>Efficacy:</b> 58lm/W or 59lm/W or 61lm/W or 65lm/W or 68lm/W or 64lm/W	<b>Operating Temp.:</b> -30 to 81°C	<b>Average Temp.:</b> 56°C	<b>Lifetime:</b> 70000 hrs
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## Physical

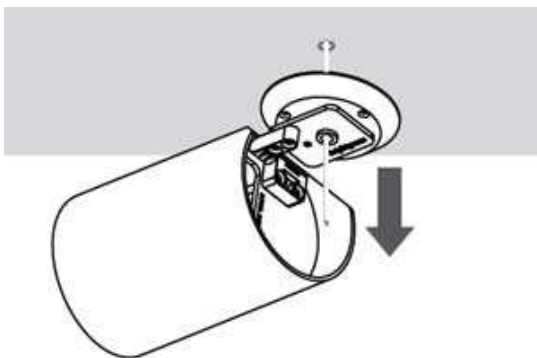
<b>Warranty:</b> 7 years	<b>Gimble Angle:</b> ±15°	<b>Weight:</b> 700g
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## Compatibility

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

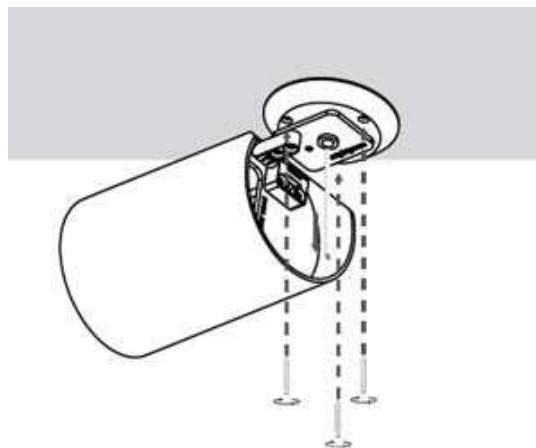
\*Compatible with many centralised control systems.

## Installation



### Step 1

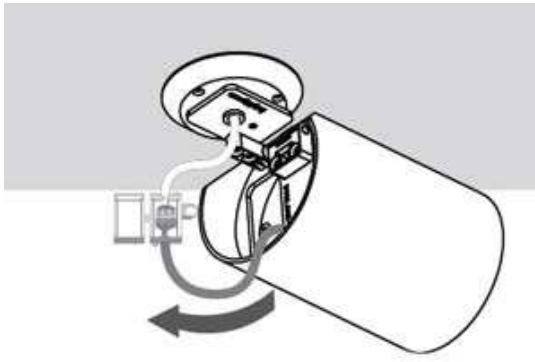
- Thread the power cable through the base plate and align the base plate to the roof.



### Step 2

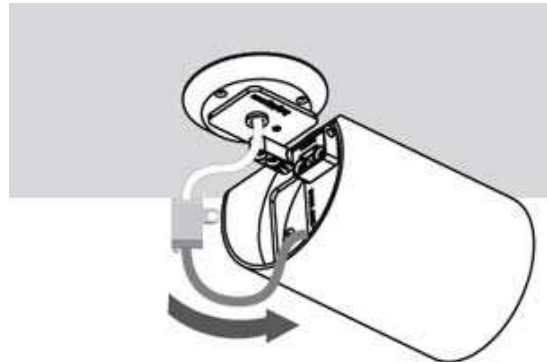
- Fasten the base plate to the roof using the provided screws.

\* For more information refer to D900 SHX Installation Guide.



### 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.

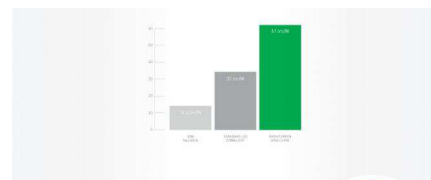


### Step 4

- Slot the junction box back into the D900 SHX cavity.

# D400 Curve LED downlight

## Datasheet



### Product codes

<b>Unit:</b> D400	<b>Family:</b> CR	<b>Colour temp. (K):</b> 3K 5K	<b>Beam angle (°):</b> 36	<b>Colour:</b> S (Silver) W (White)
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### Electrical

<b>Power Usage:</b> 7W	<b>Driver Power Factor:</b> >0.9	<b>IP Rating:</b> IP44	<b>Surge Protection:</b> 3100V	<b>Cable Length:</b> 1.5m
<b>Dimming Range:</b> 3-100%	<b>Driver:</b> ED-CU3506HPA	<b>Input Voltage:</b> 220-240V	<b>Colour Temperature:</b> 3000K or 5000K	

### Operational

<b>Ambient Temp.:</b> -28 to 65°C	<b>Lumen Output:</b> 400lm or 444lm	<b>Efficacy:</b> 57lm/W or 63lm/W	<b>Beam Angle:</b> 36°	<b>Light Quality:</b> 95CRI
<b>Operating Temp.:</b> -30 to 85°C	<b>Average Temp.:</b> 64°C	<b>Lifetime:</b> 70000 hrs		

### Physical

<b>Warranty:</b> 7 years	<b>Gimble Angle:</b> ±15°	<b>Weight:</b> 310g	<b>Fascia Colour:</b> White or Silver
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# D700 Curve LED downlight

## Datasheet



### Product codes

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

### Electrical

<b>Power Usage:</b>	<b>Driver Power Factor:</b>	<b>IP Rating:</b>	<b>Surge Protection:</b>	<b>Cable Length:</b>
10.5W	~0.95	IP30	3100V	1.5m
<b>Dimming Range:</b>	<b>Input Voltage:</b>	<b>Colour Temperature:</b>		
10-100%	240V	3000K or 4000K		

### Operational

<b>Ambient Temp.:</b>	<b>Lumen Output:</b>	<b>Efficacy:</b>	<b>Beam Angle:</b>	<b>Light Quality:</b>
-28 to 60°C	720lm or 703lm or 756lm or 738lm	69lm/W or 67lm/W or 72lm/W or 70lm/W	40° or 60°	83CRI
<b>Operating Temp.:</b>	<b>Average Temp.:</b>	<b>Lifetime:</b>		
-30 to 85°C	65°C	40000 hrs		

### Physical

<b>Warranty:</b>	<b>Type:</b>	<b>Gimble Angle:</b>	<b>Weight:</b>	<b>Fascia Colour:</b>
3 years	GU10	±15°	200g	White