lightplan

Sample Project

Retailer

Client: Sample Client

brightgreen

Main house

Main house summary

Electrical

Total Power: 825.1W

Legal Power Limit: 5W p/sqm

Average Power: 4.7W p/sqm

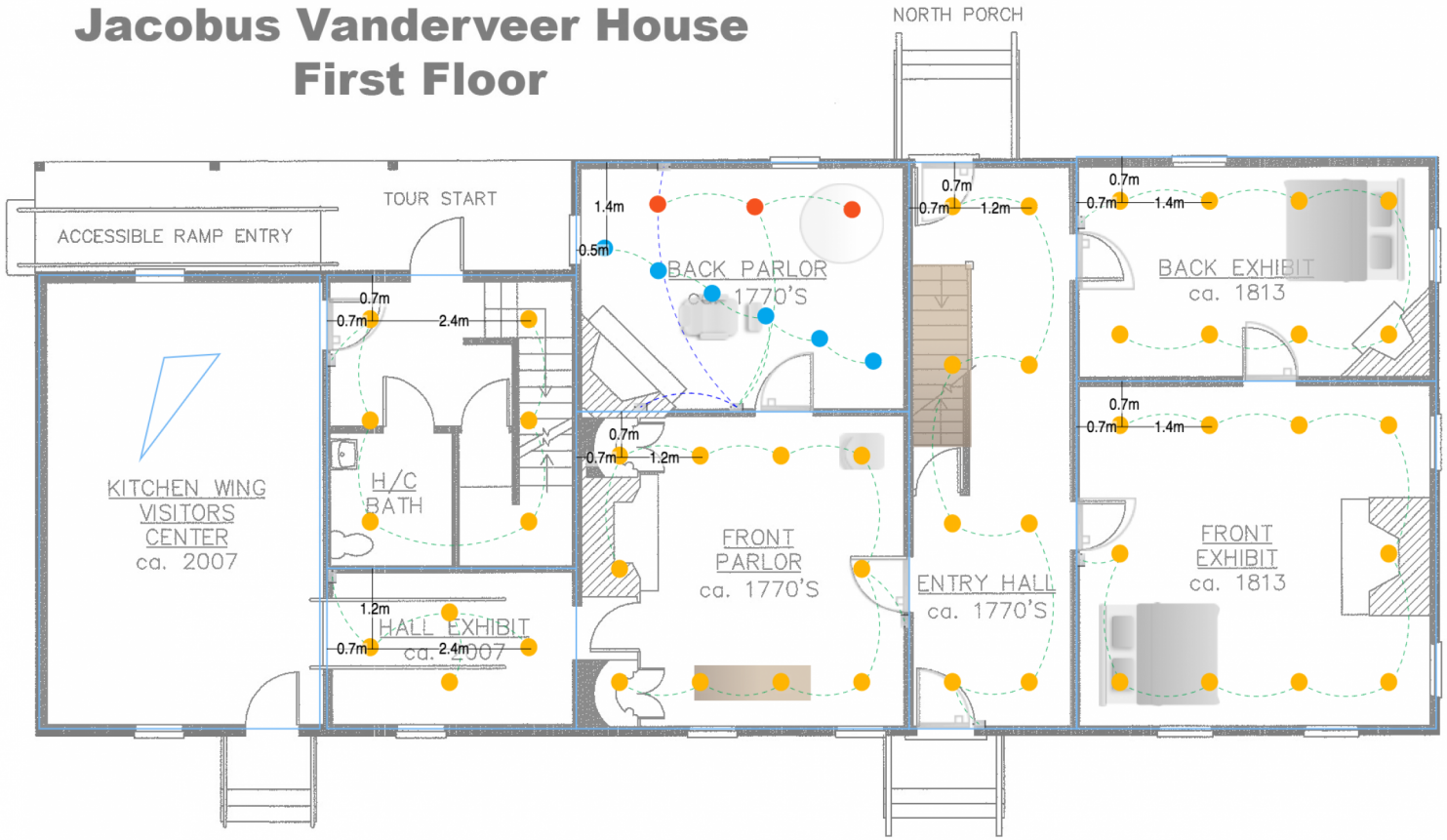
Photometric

Recommended Lumens: 56342lm

Reached Lumens: 48380lm

Summary

Jacobus Vanderveer House
First Floor



Product	Units
D900-CR-3K-45-S	46
light-switch	9
door	8
D900.SH-CR-4K-45-W	3
D550.SH-CR-3K-36-W	6
round-table	1
recliner	1
bench	2
chair	1
double-bed	2
Wiring	~85.92m

Lighting Design	PREPARE FOR: Main house	Client: Sample Client	Designer: David
		Date: 09/06/2016	Contact:
		Square Metres: 175.5sqm	Email: david@brightgreen.com

Summary

Main house - Room 2

Electrical

Total Power: 62.8W

Recommended Wattage: 47.5W

Average Power: 6.6W p/sqm

Photometric

Recommended Lumens: 2844lm

Reached Lumens: 3680lm

Reflectivity: Light

Assets

d900-cr-3k-45-s: 4

light-switch: 1

Main house - Room 3

Electrical

Total Power: 94.2W

Recommended Wattage: 87W

Average Power: 5.4W p/sqm

Photometric

Recommended Lumens: 5181lm

Reached Lumens: 5520lm

Reflectivity: Light

Assets

d900-cr-3k-45-s: 6

light-switch: 1

door: 1

Main house - Room 4

Electrical

Total Power: 102.9W

Recommended Wattage: 99W

Average Power: 5.2W p/sqm

Photometric

Recommended Lumens: 5886lm

Reached Lumens: 6060lm

Reflectivity: Light

Assets

d900.sh-cr-4k-45-w: 3

d550.sh-cr-3k-36-w: 6

light-switch: 3

round-table: 1

recliner: 1

door: 1

Summary

Main house - Room 5

Electrical

Total Power: 157W

Recommended Wattage: 125.5W

Average Power: 6.3W p/sqm

Photometric

Recommended Lumens: 7485lm

Reached Lumens: 9200lm

Reflectivity: Light

Assets

d900-cr-3k-45-s: 10

light-switch: 1

bench: 1

chair: 1

door: 1

Main house - Room 6

Electrical

Total Power: 125.6W

Recommended Wattage: 112.5W

Average Power: 5.6W p/sqm

Photometric

Recommended Lumens: 6713lm

Reached Lumens: 7360lm

Reflectivity: Light

Assets

d900-cr-3k-45-s: 8

light-switch: 1

door: 2

bench: 1

Main house - Room 7

Electrical

Total Power: 157W

Recommended Wattage: 148.5W

Average Power: 5.3W p/sqm

Photometric

Recommended Lumens: 8851lm

Reached Lumens: 9200lm

Reflectivity: Light

Assets

d900-cr-3k-45-s: 10

light-switch: 1

double-bed: 1

door: 1

Summary

Main house - Room 8

Electrical

Total Power: 125.6W

Recommended Wattage: 96W

Average Power: 6.5W p/sqm

Photometric

Recommended Lumens: 5710lm

Reached Lumens: 7360lm

Reflectivity: Light

Assets

d900-cr-3k-45-s: 8

light-switch: 1

double-bed: 1

door: 2

Main house - Hospital (Patient Trar

Electrical

Total Power: 0W

Recommended Wattage: 151.5W

Average Power: 0W p/sqm

Photometric

Recommended Lumens: 13525lm

Reached Lumens: 0lm

Reflectivity: Light

Main house - Room 8

Electrical

Total Power: 0W

Recommended Wattage: 10W

Average Power: 0W p/sqm

Photometric

Recommended Lumens: 147lm

Reached Lumens: 0lm

Reflectivity: Light

Backyard

Backyard summary

Electrical

Total Power: 0W

Legal Power Limit: 5W p/sqm

Average Power: 0W p/sqm

Photometric

Recommended Lumens: 21043lm

Reached Lumens: 0lm

Summary

Product	Units
door	3
round-table	1
small-table	2
Wiring	~0m

Lighting Design	PREPARE FOR: Backyard	Client: Sample Client	Designer: David
		Date: 09/06/2016	Contact:
		Square Metres: 70.7sqm	Email: david@brightgreen.com

Summary

Backyard - Room 1

Electrical

Total Power: 0W

Recommended Wattage: 131.5W

Average Power: 0W p/sqm

Photometric

Recommended Lumens: 7826lm

Reached Lumens: 0lm

Reflectivity: Light

Assets

door: 1

round-table: 1

Backyard - Room 2

Electrical

Total Power: 0W

Recommended Wattage: 154W

Average Power: 0W p/sqm

Photometric

Recommended Lumens: 9182lm

Reached Lumens: 0lm

Reflectivity: Light

Assets

door: 2

small-table: 1

Backyard - Room 3

Electrical

Total Power: 0W

Recommended Wattage: 68W

Average Power: 0W p/sqm

Photometric

Recommended Lumens: 4035lm

Reached Lumens: 0lm

Reflectivity: Light

Assets

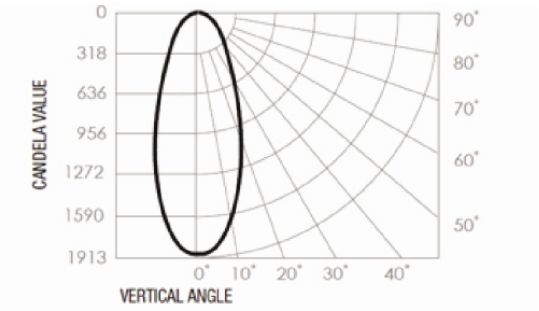
small-table: 1

D900 Curve LED downlight
Datasheet

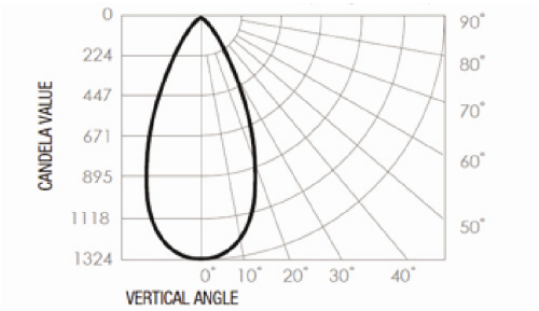
Product codes

Unit:	Family:	Colour temp. (K):	Beam angle (°):	Colour:
D900	CR	3K	45	S (Silver)
		4K	55	W (White)

Photometrics



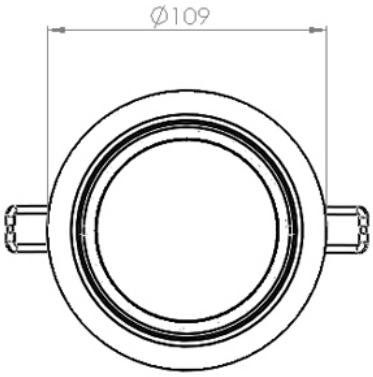
Lumen output: 1005lm
Colour temp.: 3000K
Efficacy: 64lm/W
Beam angle: 45°



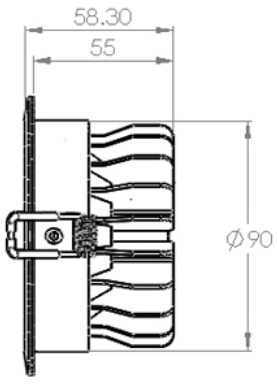
Lumen output: 1015lm
Colour temp.: 3000K
Efficacy: 65lm/W
Beam angle: 55°

Dimensions (mm)

Front view



Side view



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Electrical

Input voltage:	Power usage:	Driver power factor:	IP rating:	Surge protection:
220-240V	15.7W	0.88	IP44	3100

Cable length:	Dimmable:	Driver:
1.5m	Yes	BG-018BSD

Operational

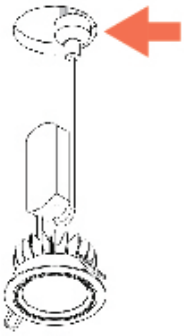
Operating temp.:	Average temp.:	Ambient temp.:	Lifetime:	Thermal rating:
-30 to 81°C	56°C	-28 to 70°C	70000 hrs (@TA25)	IC

Physical

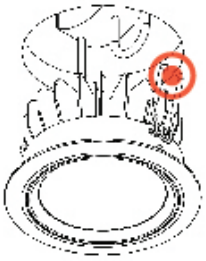
Weight:	Gimbal angle:	Warranty:
472g	±15°	7 years

Installation

Step 1
Using a 92mm holesaw, cut a hole in the ceiling at the desired location



Step 2
Plug the driver to a mains power socked located in the ceiling cavity



Step 3
Pull back the springs and insert the luminaire in the hole

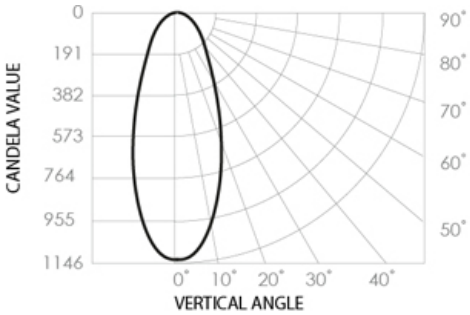
Step 4
Installation complete

D900.SH Curve LED downlight
Datasheet

Product codes

Unit:	Family:	Colour temp. (K):	Beam angle (°):	Colour:
D900.SH	CR	3K 4K	45	B (Black) W (White)

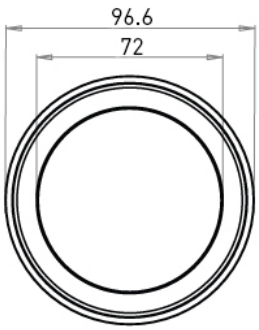
Photometrics



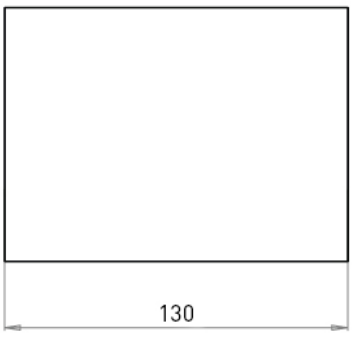
Lumen output: 920lm
Colour temp.: 4000K
Efficacy: 56lm/W
Beam angle: 45°

Dimensions (mm)

Front view



Side view



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Electrical

Input voltage:
220-240V

Power usage:
16.3W

Driver power factor:
0.93

IP rating:
IP42

Surge protection:
3100

Cable length:
0.2m

Dimmable:
Yes

Driver:
DRV900S:350-13

Operational

Operating temp.:
-10 to 90°C

Average temp.:
50°C

Ambient temp.:
-28 to 65°C

Lifetime:
70000 hrs (@TA25)

Physical

Weight:
700g

Gimbal angle:
N/A

Warranty:
7 years

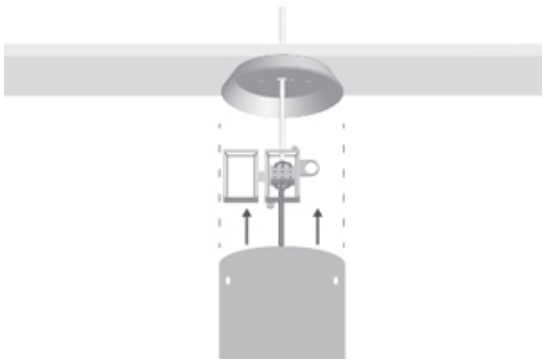
Compatibility

Recommended Dimmers:
Clipsal, Universal
Clipsal, Trailing Edge
Legrand 400T, Trailing Edge

*Compatible with many centralised control systems such as Clipsal C-Bus. All systems are unique, please call 1300 672 499 for advice on your installation.

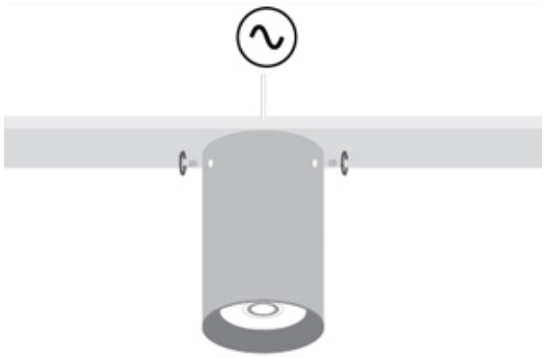
Installation

Step 1
Disconnect all power at the switchboard. Release the base plate from the D900 SH body by unscrewing the 3 retaining grub screws, then feed the power cable through the base plate and attach base plate to the roof* for more information refer to D900 SH installation guide.

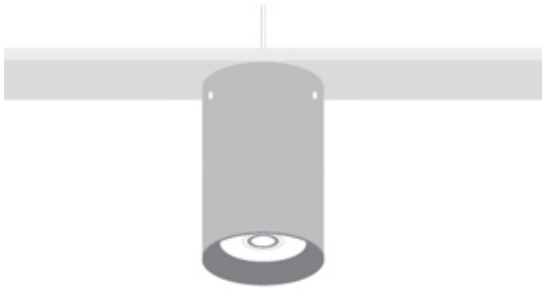


Step 2
Open the juntion box and connect the power cable to the junction box. Re-attach cover of junction box inline with Australian standards.

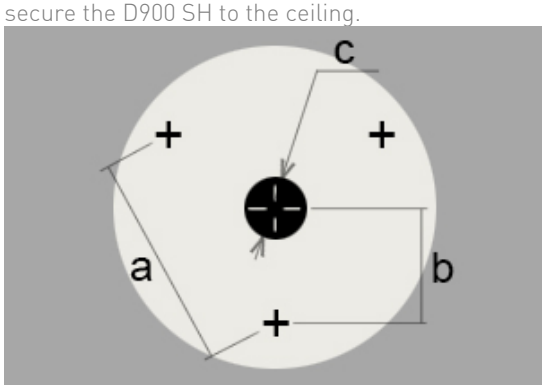
Installation



Step 3
Align and attach the D900 SH body to the base plate then screw in the three grub screws to secure the D900 SH to the ceiling.



Step 4
Installation complete.



Step 7
Ceiling mount hole piloting.
a=51.5mm ; b=29.5mm ; c=9mm

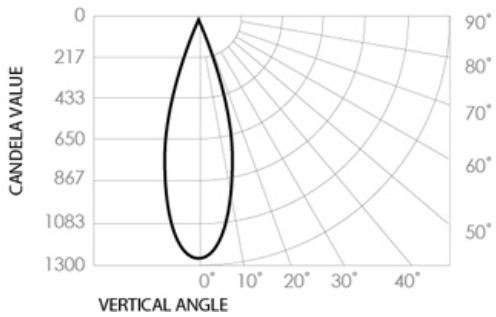
D550.SH Curve LED downlight
Datasheet

TRU COLOUR

Product codes

Unit:	Family:	Colour temp. (K):	Beam angle (°):	Colour:
D550.SH	CR	3K 4K	36	B (Black) W (White)

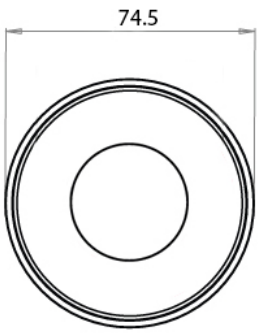
Photometrics



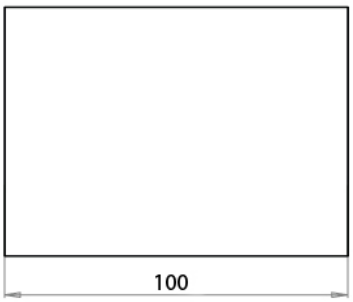
Lumen output: 550lm
Colour temp.: 3000K
Efficacy: 61lm/W
Beam angle: 36°

Dimensions (mm)

Front view



Side view



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Electrical

Input voltage:
220-240V

Power usage:
9W

Driver power factor:
0.93

IP rating:
IP44

Surge protection:
3100

Cable length:
1.5m

Dimmable:
Yes

Driver:
ED-CU3506HPA

Operational

Operating temp.:
-30 to 85ºC

Average temp.:
64ºC

Ambient temp.:
-28 to 65ºC

Lifetime:
70000 hrs (@TA25)

Physical

Weight:
310g

Gimbal angle:
±15º

Warranty:
7 years

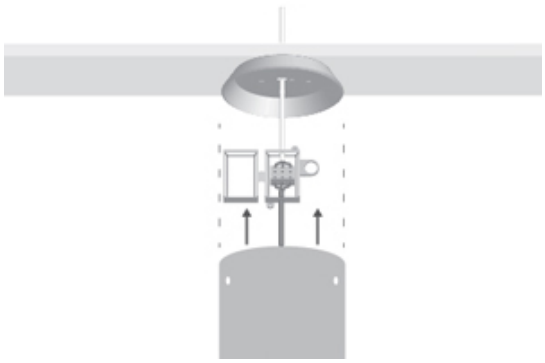
Compatibility

Recommended Dimmers:
Clipsal, Universal
Clipsal, Trailing Edge
Legrand 400T, Trailing Edge

*Compatible with many centralised control systems such as Clipsal C-Bus. All systems are unique, please call 1300 672 499 for advice on your installation.

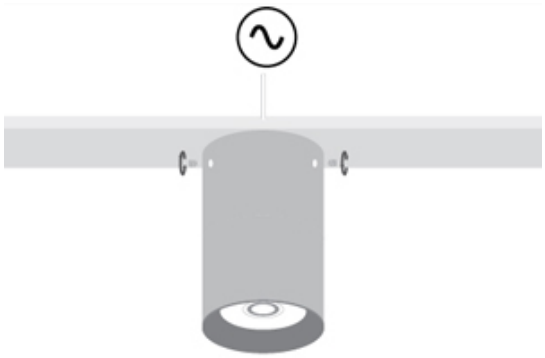
Installation

Step 1
Disconnect all power at the switchboard. Release the base plate from the D900 SH body by unscrewing the 3 retaining grub screws, then feed the power cable through the base plate and attach base plate to the roof* for more information refer to D550 SH installation guide.

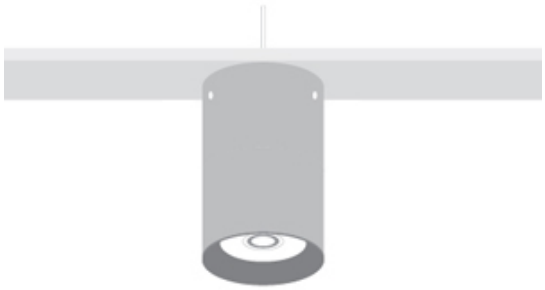


Step 2
Open the juntion box and connect the power cable to the junction box. Re-attach cover of junction box inline with Australian standards.

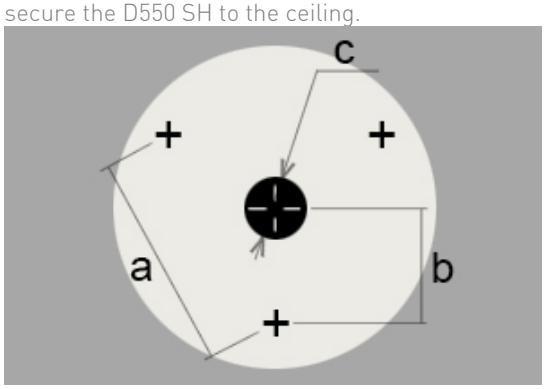
Installation



Step 3
Align and attach the D550 SH body to the base plate then screw in the three grub screws to secure the D550 SH to the ceiling.



Step 4
Installation complete.



Step 7
Ceiling mount hole piloting.
a=33.5mm ; b=19mm ; c=9mm