



Sample Project

Retailer

Client: Sample Client



brightgreen

Main house

Main house summary

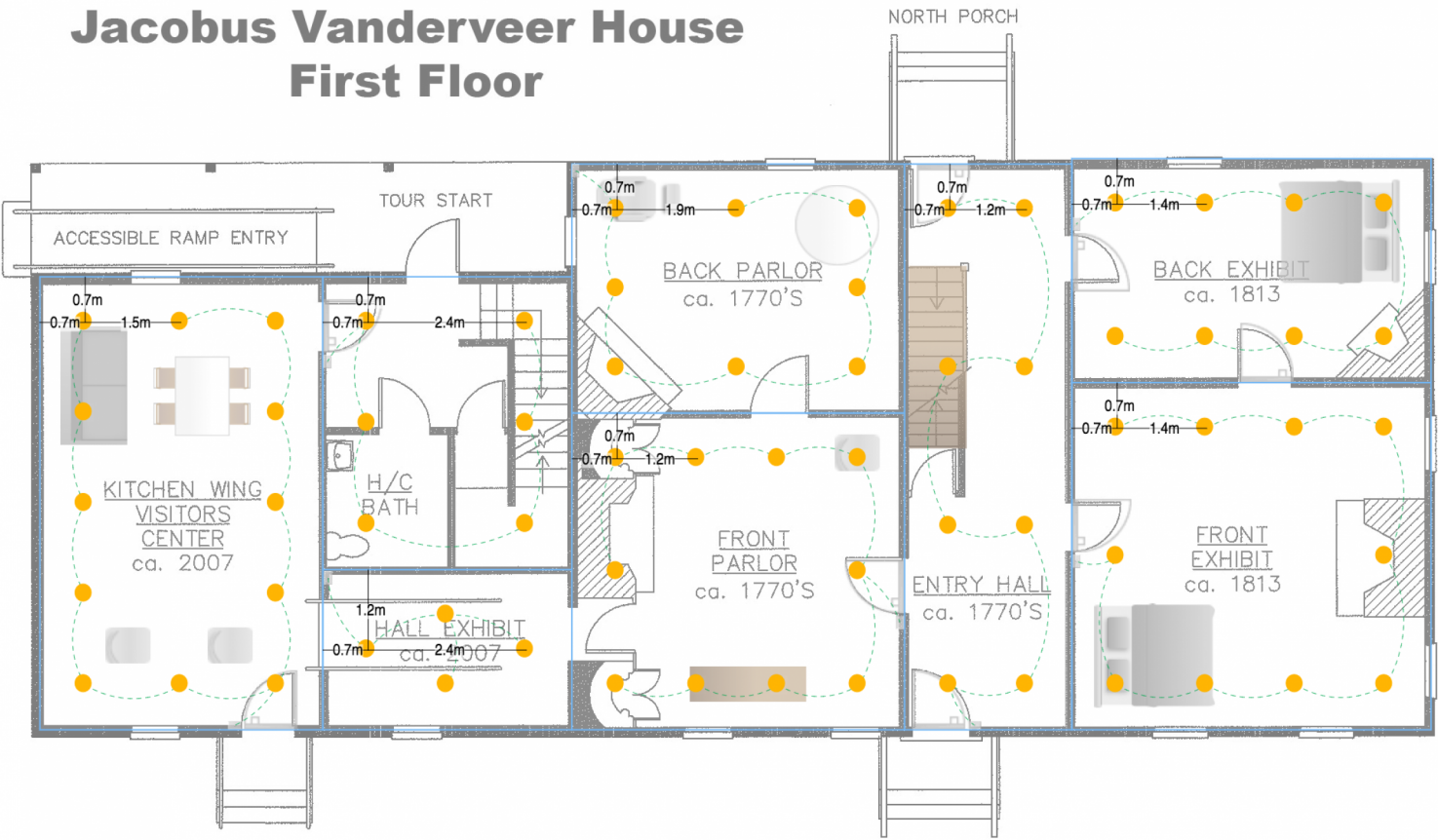
Electrical

Total Power: 1036.2W
Legal Power Limit: 5W p/sqm
Average Power: 6W p/sqm

Photometric

Recommended Lumens: 51775lm
Reached Lumens: 60720lm

Jacobus Vanderveer House
First Floor



Product	Units
D900-CR-3K-45-S	66
light-switch	8
door	8
couch	1
table	1
chair	3
round-table	1
recliner	1
bench	2
double-bed	2
Wiring	~95m

Lighting Design

PREPARE FOR:
Main house

Client: Sample Client

Designer: Tristan Mountjoy

Date: 08/06/2016

Contact:

Square Metres: 173.8sqm

Email: tristan@brightgreen.com

Main house - Room 1

Electrical

Total Power: 188.4W

Recommended Wattage: 153W

Average Power: 6.2W p/sqm

Photometric

Recommended Lumens: 9105lm

Reached Lumens: 11040lm

Reflectivity: Light

Assets

d900-cr-3k-45-s: 12

light-switch: 1

door: 1

couch: 1

table: 1

chair: 2

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: 125.6W

Recommended Wattage: 99W

Average Power: 6.3W p/sqm

Photometric

Recommended Lumens: 5886lm

Reached Lumens: 7360lm

Reflectivity: Light

Assets

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

light-switch: 1

round-table: 1

recliner: 1

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

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

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: Tristan Mountjoy
		Date: 08/06/2016	Contact:
		Square Metres: 70.7sqm	Email: tristan@brightgreen.com

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

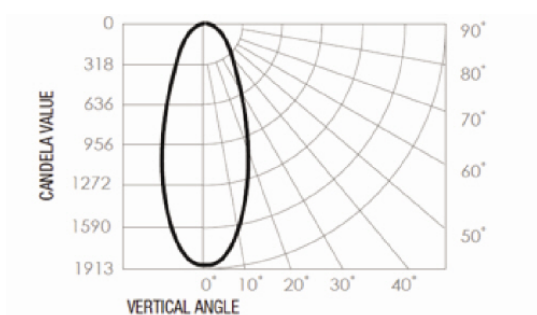
Datasheet



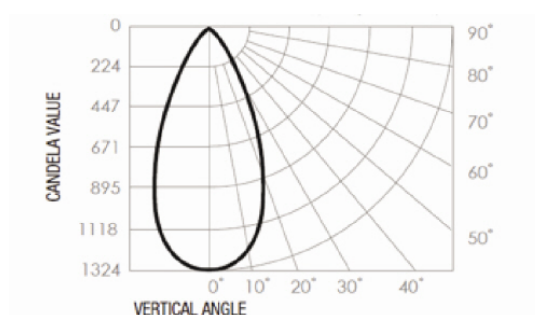
Product codes

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

Photometrics



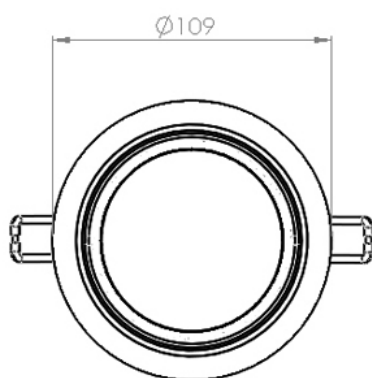
Lumen output: 1005lm
Colour temp.: 3000K
Efficacy: 64lm/W
Beam angle: 45°



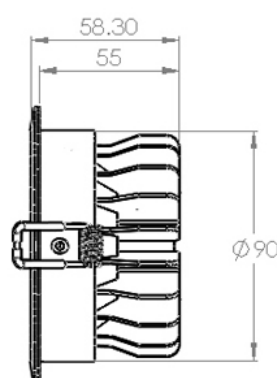
Lumen output: 1015lm
Colour temp.: 3000K
Efficacy: 65lm/W
Beam angle: 55°

Dimensions (mm)

Front view



Side view



Electrical

Input voltage:
220-240V

Power usage:
15.7W

Driver power factor: 0.88
IP rating: IP44

Surge protection:
3100

Cable length:
1.5m

Dimmable:
Yes

Driver:
BG-018BSD

Operational

Operating temp.:
-30 to 81°C

Average temp.:
56°C

Ambient temp.:
-28 to 70°C

Lifetime:
70000 hrs (@TA25)

Thermal rating:
IC

Physical

Weight:
472g

Gimbal angle:
±15°

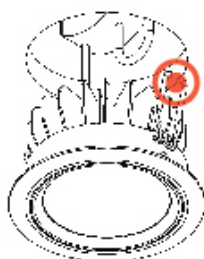
Warranty:
7 years

Installation



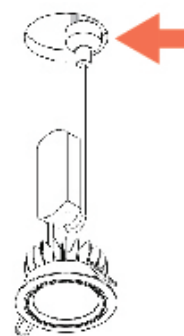
Step 1

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



Step 3

Pull back the springs and insert the luminaire in the hole



Step 2

Plug the driver to a mains power socket located in the ceiling cavity



Step 4

Installation complete