

Freedom High Performance LED Downlight Specifications & Installation Guide



Table Of Contents

Safety Notes	2
Specifications	2
Physical	2
Inputs	3
Optical	3
140	3
150	3
Beam Angles	3
Installation	4
Recessed	4
Adjustable	5
Surface Mount	5
Operation	5

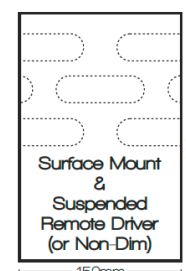
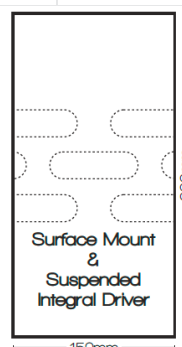
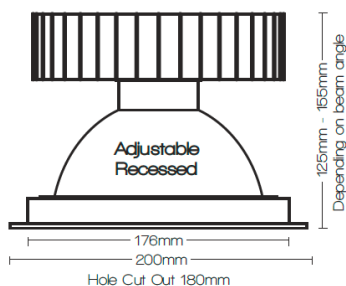
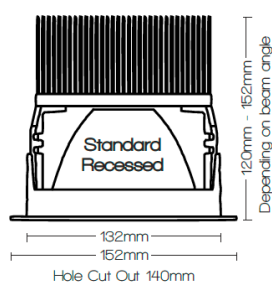
Safety Notes

- Install in a dry sheltered position
- Ensure adequate ventilation
- Installation should only be performed by a qualified professional
- Install in accordance with all appropriate wiring standards
- Never connect a LED fitting to a driver that is powered. Doing so may result in damage to the LED.
- Always make sure the output voltage range and output current of the LED driver match the requirements of the LED fitting. Failure to do so may result in damage both the driver and fitting.

Specifications

Physical

	Recessed Fixed	Recessed Adjustable	Surface Mount	Units
Dimensions	152 x 120-152	200 x 125-155	150 x 229-299	mm
Weight	930			g
Cut Out Size	140	180	-	mm



Inputs

	140	150	Units
Forward Voltage	35.4	35.7	V
Current	1050	1400	mA

Optical

140

				Units
Order Code	W30	W40	W50	
Colour Temperature	3000	4000	5000	K
Typical Lumens	4540	4680	4746	lm

150

				Units
Order Code	W30	W40	W50	
Colour Temperature	3000	4000	5000	K
Typical Lumens	5920	6100	6190	lm

Beam Angles

Order Code	Beam Angle
18	18° Extra Low Glare
26	26° Extra Low Glare
52	52° Extra Low Glare
32	32°
38	38°
44	44°
46	46°

Installation

Recessed

1. Cut a hole in the ceiling 140mm (5.5")
2. Connect lead from driver to luminaire and place driver in ceiling
3. With mains circuit off, connect driver to mains.



4. Squeeze the larger arms of the support springs against the body and feed the luminaire through the hole. The smaller spring arms should come to rest against the ceiling.



5. Push in 1 side of the luminaire. This can be made easier by pulling up on short arm of the corresponding spring.



6. Push the luminaire all the way in. Again, this can be made easier by pulling up on the short arm of the remaining spring.



Adjustable

Surface Mount

Operation

For any technical information relating to the connection of these luminaires to dimming systems, refer to LED products at www.digilin.com.au