

# Options for Driving



## ICON LED Downlights

The ICON series of downlights make use of state-of-the-art LED and lens technology to produce a downlight that can truly meet or exceed the light levels of 50mm halogen downlights.



### Safety Notes

Refer to ICON Installation Instructions for full instructions regarding installation. Install according to relevant local installation standards. Ensure airflow over heatsink is **not restricted** by insulation.

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Digilin Pty Ltd  
A.C.N. 078 278 449  
37 Oxford St  
Bulimba, Qld 4171  
Australia

[www.digilin.com.au](http://www.digilin.com.au)

Ph +617 3899 1267 Fax +617 3899 1261

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*At The Forefront of LED & Fibre Optic Lighting Technologies*

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## Introduction

The ICON LED downlights are driven in a similar manner to halogen downlights. Each fitting is connected via a short cable to a separate power supply which is then connected to mains. There are a number of options in the selection of the power supply; it may be fixed or one of several dimming versions. In all cases the main connection between the ICON and power supply is the same, with one power supply to drive one fitting.

## Understanding Order Codes

ICON - 816 - WW - 22 - W  
       1      2      3      4      5

Section		Options	
1	Family	ICON	
2	Model	816	- 16W, 1100 Lumens
		812	- 12W, 930 Lumens
		808	- 8W, 700 Lumens
3	LED Colour Temperature	WW	- Warm White 3200K
		NW	- Neutral White 4300K (special order only)
		CW	- Cool White 6000K (special order only)
4	Beam Spread	22	- 22°
		36	- 36°
		60	- 60°
5	Fitting Finish	W	White
		S	Silver (to special order only)
		SP	Special Colour (to special order only)

## Connecting Dimming Controls

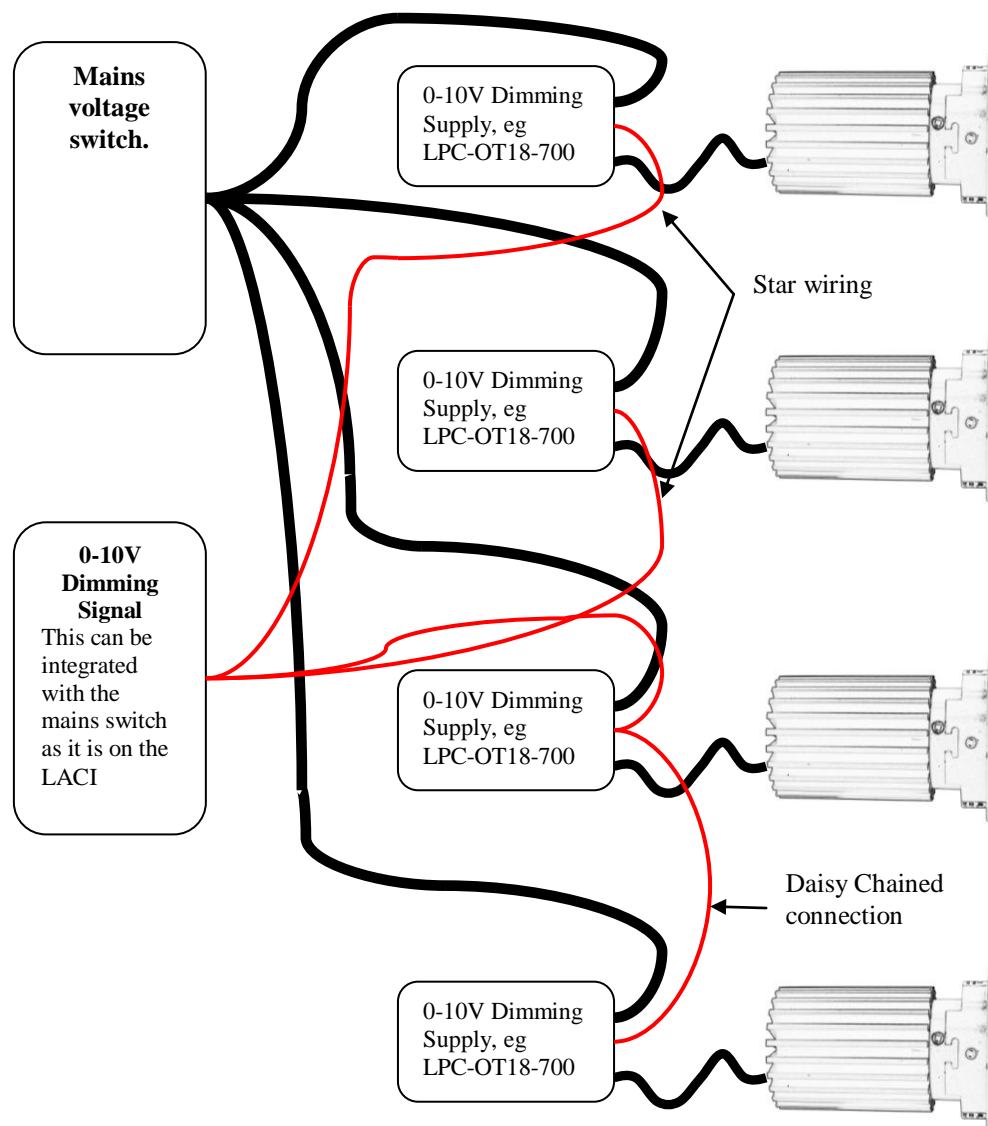
### 0-10V Versions

0-10V dimming uses a second pair of wires (shown in red). This signal is connected in parallel across all LED drivers. This can be achieved either by wiring from one central point (star wiring) or by daisy chaining the connections. Take care not to reverse the polarity of the connections.

The number of drivers that may be connected to a 0-10V signal is dependent on the 0-10V source, but over 50 should be achievable.

Some 0-10V sources (such as the Digilin LACI) will include the mains switch on a standard switch panel that appears like a standard dimming switch.

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***DALI Dimming***

DALI information available soon. Contact Digilin for full details.