

SLC INSTALLATION GUIDE

Document Name	SLC installation guide
Document Version	1.0_Supplementary specification
Customer	Department of Transport and Main Roads QLD
Device	Cellular Smart Lighting Controller (SLC)
Manufacturer	Cimcon
Part Number	iSLC3100-7P-N-AD-G-IO-CATC-05-SW



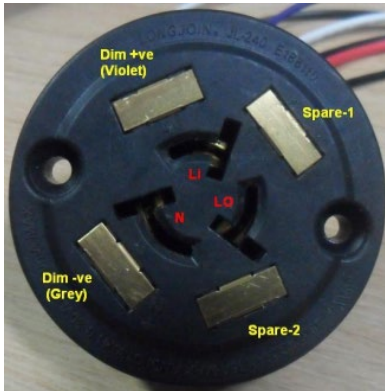
Smart Lighting Controllers (SLCs) are the controller devices that get attached to the NEMA receptacles of LED luminaires.

The SLCs have a cellular module integrated and communicate directly into the available telecommunication networks from the main carriers by using dedicated IOT network services.

No gateway or other networking equipment is required for the devices to communicate with the CMS.

Use the following procedure to install the SLC devices.

1. Prepare the Luminaire

1.2	Before installation of SLC, confirm the luminaire is operating properly and the lamp turns on. If not, fix the problem first before installing the SLC.																
1.2	IMPORTANT: Turn off power source before installing the SLC.																
1.3	If required to access lamp internals for repair, refer to the wiring of the seven pin NEMA receptacle: <div style="display: flex; align-items: center; justify-content: center;">  <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Wire Color</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>Power (Lo)</td> </tr> <tr> <td>Black</td> <td>Ground (Li)</td> </tr> <tr> <td>White</td> <td>Neutral (N)</td> </tr> <tr> <td>Violet</td> <td>DIM (+)</td> </tr> <tr> <td>Grey</td> <td>DIM (-)</td> </tr> <tr> <td>Orange</td> <td>Motion Input</td> </tr> <tr> <td>Brown</td> <td>Spare</td> </tr> </tbody> </table> </div>	Wire Color	Function	Red	Power (Lo)	Black	Ground (Li)	White	Neutral (N)	Violet	DIM (+)	Grey	DIM (-)	Orange	Motion Input	Brown	Spare
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2. Record SLC and Asset Data

2.1 The installer is required to record the SLC asset data in the TMR supplied "Smart Lighting asset data capture requirements" spreadsheet. The following information from the SLC must be recorded.

- Unique Asset Identifier (UAI) – 12-digit number for each SLC
- International Mobile Equipment Identity (IMEI) – 15-digit number for each SLC

Both these identifiers are available through the QR code shown below.



When the above QR code is scanned, it will return the below values:

1. SLC UAI
2. SLC IMEI
3. SLC Part Number




See below for reference:

LEDSL C000318
865284045703018
1SLC3100-7P-N-AD-G-IO-CATC-05-SW

2.2 Note that the SLC devices have multiple labels attached to them with identification numbers and QR codes. Ensure that the correct number is recorded and scanned.

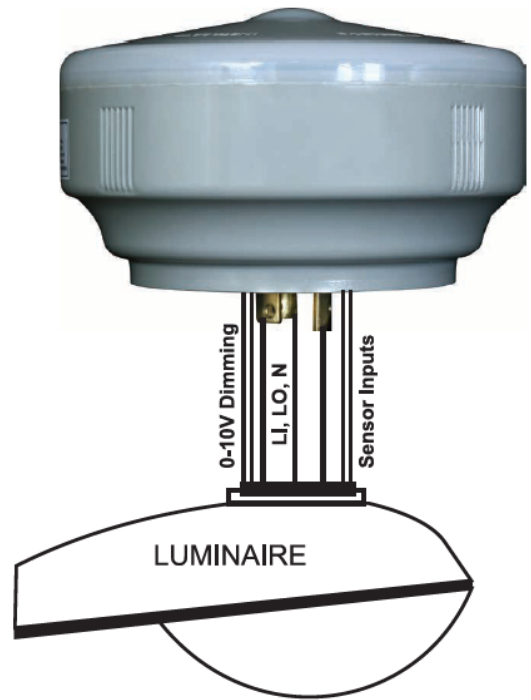
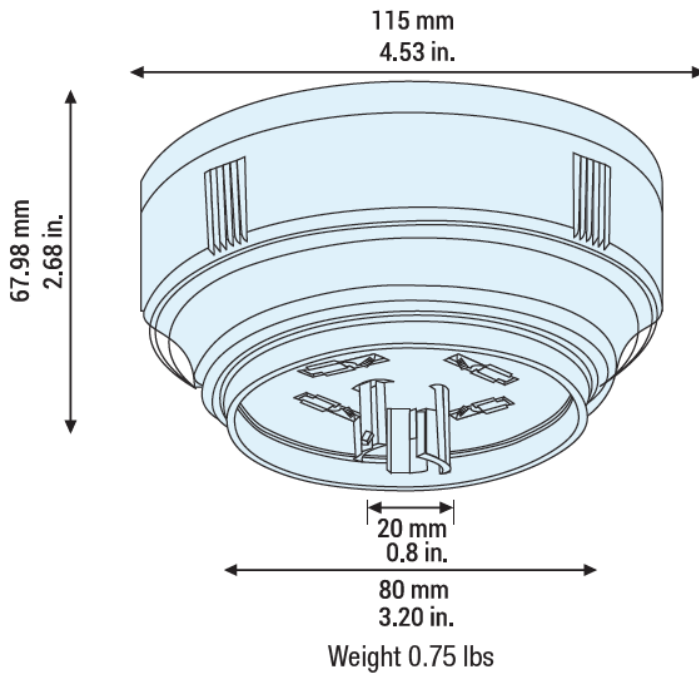


3. Install the SLC device

3.1	<p>Once the SLC information is recorded, align the 3 pins of the SLC with the NEMA receptacle on the luminaires and push and twist the device clockwise by approximately 90 degrees. The SLC will firmly lock into position.</p> 
3.2	<p>Apply power to the Luminaire. A red LED indicator light can be seen in the PE sensor side window of the SLC, which can be used to confirm that the SLC is powered.</p> 
3.3	<p>Where the SLC's aren't labelled with ASTRO, the SLC is shipped in photocell mode. To test this functionality, cover the PE sensor side window of the SLC for ~5 seconds to simulate darkness. The luminaire should turn on while the PE sensor detects a lack of light. Remove the cover from the SLC and verify that the light turns off within ~5 seconds.</p> <p>Refer to the image below for the position of the PE sensor on the SLCs:</p>  <p>If the SLC is installed during night time, the luminaire should come ON and stay ON.</p>
3.4	<p>If a SLC is installed to replace an existing and previously commissioned SLC device, this should be clearly marked on the spreadsheet when the data is provided to SCS for commissioning purposes.</p> <p>In this case, also include the SLC UAI of the SLC that was removed in the data record.</p>

Note: Any SLC devices deemed faulty must be quarantined and returned to TMR.

Mechanical Specifications



For any questions, you can contact the SCS helpdesk team between 9am and 5pm on:

scshelpdesk@schreder.com

1300 489 780