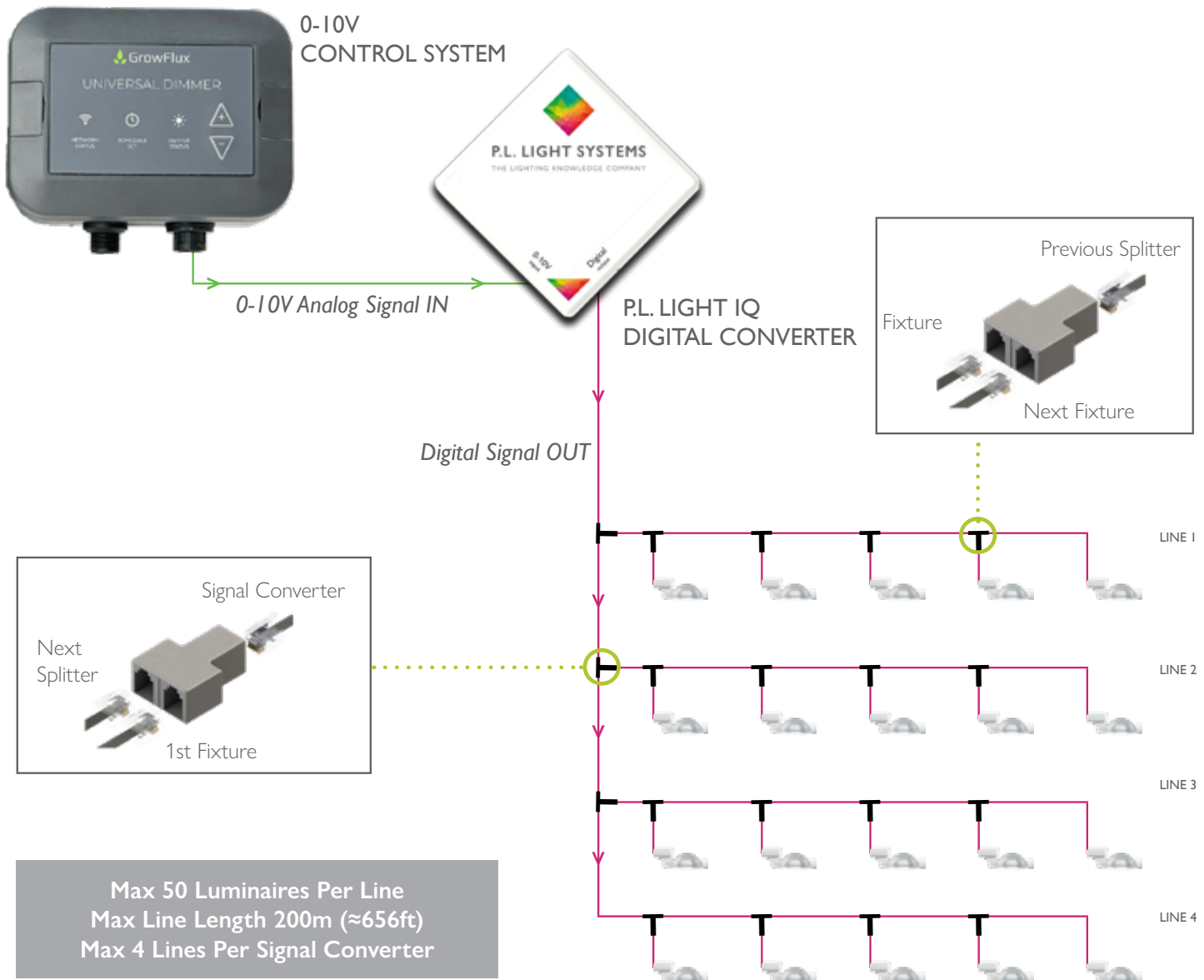


P.L. LIGHT iQ™

DIGITAL SIGNAL CONVERTER



Note: All RJ12 connector cables* and T-splitters will need to be purchased separately.

*Refer to the RJ12 cable buying guidelines on next page



Warning! When connecting the luminaire(s) to the converter, always ensure the luminaire(s) is disconnected from the power source.

Buying Guidelines: RJ11 / RJ12 Connector Cable(s)

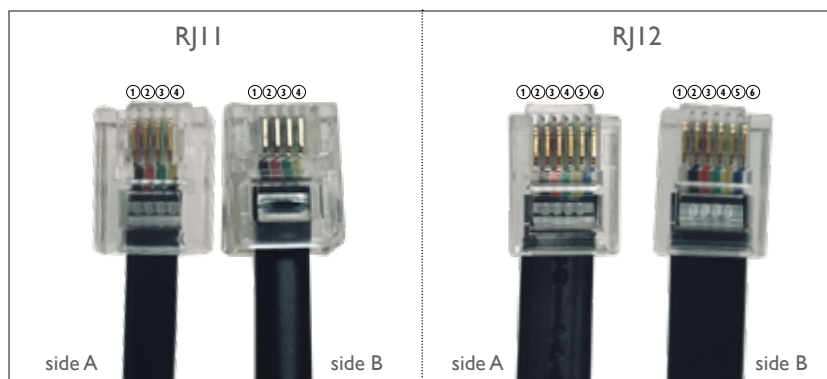
When purchasing additional cables to connect your controllable NXT-LP luminaires within a line, you will need to ensure that they are “straight through” cables with either RJ11 (6P4C[‡]) or RJ12 (6P6C[‡]) connectors.

RJ11/RJ12 connector cables are readily available from telecommunications and electronics retailers, but may not always be clearly identified as “RJ11” / “RJ12” or “straight through” in the descriptor/ packaging.

Use the following guidelines to ensure you are purchasing the correct connector cable for your controllable NXT-LP luminaires:

- 1 Ensure the cable has matching 6 position connectors on either end and that the connectors are designated as either RJ11 or RJ12.

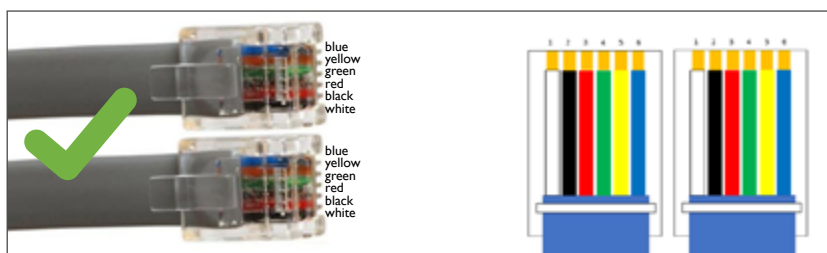
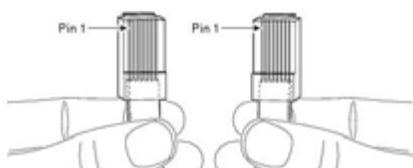
Note: Both RJ11 and RJ12 connectors can accommodate up to 6 connection pins, but only 4 pins will be present in the RJ11 vs. 6 pins in the RJ12.



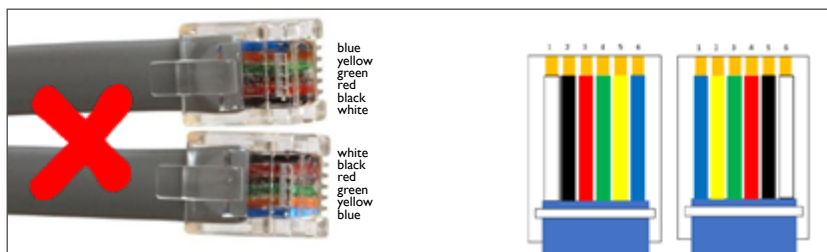
- 2 Ensure the cable is wired straight through i.e. the wires in the RJ connector are connected in the same order on both ends of the cable.

Note: The color of the wires may vary, just ensure that the relevant order corresponds.

Note: Ensure that you are holding both connectors in the same orientation (i.e. both clips facing away or both clips facing towards you) when comparing the order of the wires.



straight cable



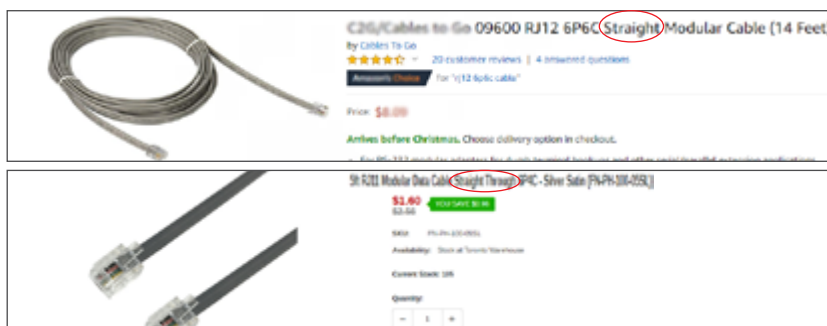
reverse cable

- 3 Look for the word(s) “straight” or “straight through” in the cable descriptor.

[‡]straight through cable = wires are terminated to the pins on both ends of the cable

[‡]6P6C = 6 position; 6 conductor

[‡]6P4C = 6 position; 4 conductor





P.L. LIGHT SYSTEMS

THE LIGHTING KNOWLEDGE COMPANY

T: 905.563.4133
www.pllight.com



PRODUCT	P.L. Light iQ Digital Converter
Project	
Notes	

TECHNICAL SPECIFICATIONS

Power Supply	5.0V / 1000mA
Power Consumption	1W
Battery Type	18650
Battery Capacity	2000mAh / 3.7V
Work Hours	Work continuously for more than 20 hours on a full charge
Warranty	1 Year

DEVICE ACCESSORIES

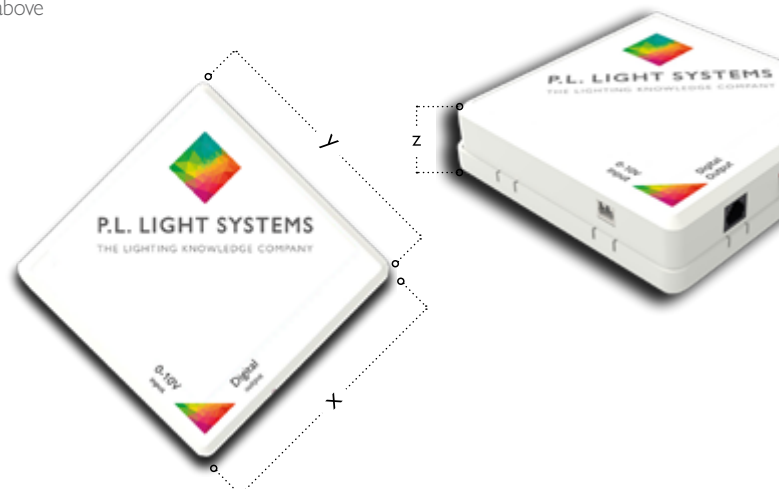
Part #	Description	\$
	1* USB Power Charger	Included
	1*RJ12 Splitter (1 to 2, Black, 6P6C)	Included
	1*RJ12 Flat Cable (5m, Black, 6P6C)	Included
	1*USB-A to TYPE-C Charging Cable (Black, 1m)	Included
	2Pin Connector	Included
	Link Calipers	Included

*Consult your P.L. Light Systems representative for any requirements not listed above

Max 50 Luminaires Per Line
Max Line Length 200m (~656ft)
Max 4 Lines Per Signal Converter

DIMENSIONS

Length (x)	3 in (75 mm)
Width (y)	3 in (75 mm)
Height (z)	1 in (25 mm)
Weight	1 lb. (0.4 kg)



0-10V INPUT WIRING INSTALLATION INSTRUCTIONS

- 1 Insert the hook lever tool* into the lower opening.
- 2 Press the hook lever tool to open the wiring port.
- 3 Insert the conductor wires and reset the lever position to finish wiring.
- 4 Insert wiring port into receiving 0-10V Input port.
- 5 Wiring port should 'snap' or 'click' into place once fully inserted.

*Use a screwdriver if the hook lever tool is unavailable.

Note: Communication cables use either a purple and grey wiring configuration or a red and black wiring configuration. Black or grey are always your grounding wires and must be inserted into the negative node (0-10V-) of the wiring port.

Wiring Port Configuration



Digital Output Configuration

