

# Pick-to-Light Solutions Kit



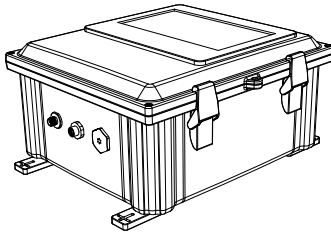
## Datasheet

### Pick-to-Light Solutions Kit

This datasheet contains limited information on the Pick-to-Light Solutions Kit hardware. For complete information on configuration, performance, troubleshooting, dimensions, and accessories, please refer to the following documents:

- Pick-to-Light Solutions Kit Quick Start Guide (PN 214472)
- Pick-to-Light Solutions Kit Instruction Manual (PN 214476)

Use of this document assumes familiarity with pertinent industry standards and practices.



- Harness the power of all PICK-IQ™ device models
- Simplify the installation and implementation of a Pick-to-Light system
- Reduce integration time and expense
- Address PICK-IQ™ devices through manual sensor interaction
- Create and store pick recipes with no programming required
- Easily integrate Ethernet barcode readers to relate recipes and pick sequences to barcodes <sup>1</sup>

## Models

Model	Description
SOLUTIONSKIT-PTL	Pick-to-Light Solutions Kit with Pre-Programmed DXM700 and Pre-Programmed HMI with Touch Screen for Pick-to-Light Integration

## Wiring

Power Connection		
5-Pin M12/Euro-Style Male	Pin	Connection
	1	24 V DC
	3	DC common
	4	RS-485 (-)
	2	RS-485 (+)
	5	Shield

Device Connection		
5-Pin M12/Euro-Style Female	Pin	Connection
	1	24 V DC
	3	DC common
	4	RS-485 (-)
	2	RS-485 (+)
	5	Shield

<sup>1</sup> See the Pick-to-Light Solutions Kit Instruction Manual for more information.



# Specifications

## Included Components

- Enclosure
- HMI
- DXM

## Supply Voltage

24 V DC ( $\pm 10\%$ ) at 4 A maximum  
 Use only with a suitable Class 2 power supply (UL)



**Note:** Use with PSD-24-4 (PN 85811) power supply

## Power Consumption

Solutions Kit: 375 mA typical  
 PTL110S: 60 mA typical per device  
 Total System: 4 A maximum  
 Number of PTL110S devices supported: 58

## Construction

Housing: Polycarbonate

## Connections

- (1) Integral 5-pin M12 male quick disconnect
  - (1) Integral 5-pin M12/Euro-style female quick disconnect
- Each PTL 110 device has two 4-pin integral cables, one male and one female. These devices may be connected directly into each other. Patch cables may also be used. If needed, additional power may be injected into any part of the system.

## Operating Conditions

0 °C to +50 °C (+32 °F to +122 °F)

## Required Overcurrent Protection



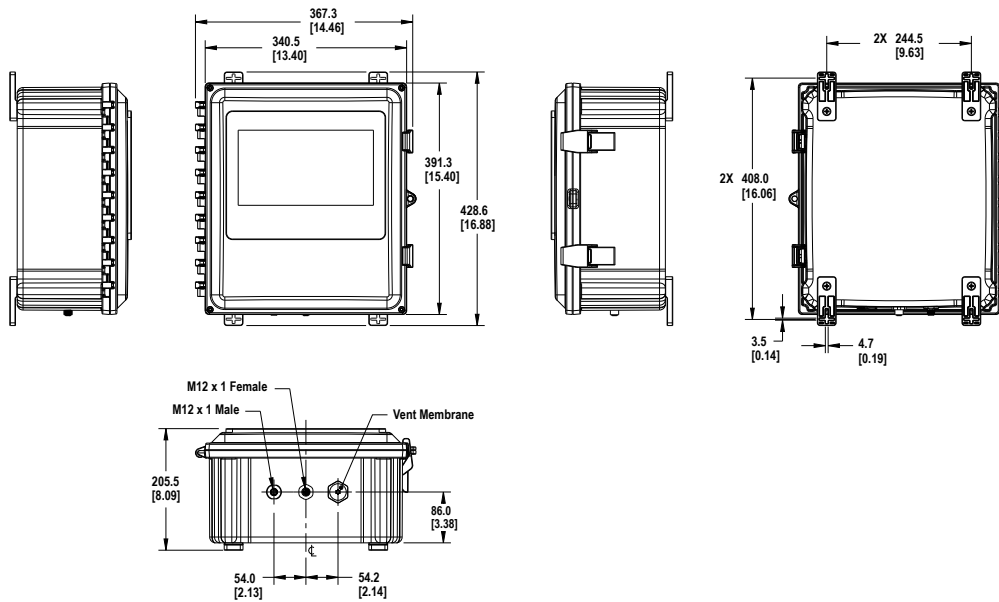
**WARNING:** Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

Overcurrent protection is required to be provided by end product application per the supplied table.  
 Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.  
 Supply wiring leads < 24 AWG shall not be spliced.  
 For additional product support, go to [www.bannerengineering.com](http://www.bannerengineering.com).

Supply Wiring (AWG)	Required Overcurrent Protection (Amps)
20	5.0
22	3.0
24	2.0
26	1.0
28	0.8
30	0.5

# Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise.



## Banner Engineering Corp. Limited Warranty

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For patent information, see [www.bannerengineering.com/patents](http://www.bannerengineering.com/patents).

## FCC Part 15 and CAN ICES-3 (A)/NMB-3(A)

This device complies with part 15 of the FCC Rules and CAN ICES-3 (A)/NMB-3(A). Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules and CAN ICES-3 (A)/NMB-3(A). These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.