

# COOPER LIGHTING SOLUTIONS - METALUX®

## PLUG-IN (PI) SYSTEM WITH 1, 2 OR 3 CIRCUIT CAPABILITY



### FEATURES

- Advanced plug-in system
- Three circuit capacity
- Installation savings
- Molded nylon polarized plugs
- Self-locking plugs
- Independent neutral available
- Branch circuit conductors #12 THHN rated 600V, 90°C
- UL Listed

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

## PI PLUG-IN

### Description

The Plug-In System provides factory installed branch circuit wiring and plug-in connectors when row mounting fixtures. This labor and time saving option is designed to simplify fixture installation and wiring and allows fixtures to be installed quickly and easily. The PI system is available for fixture sections up to 8' in length for continuous row wiring by simply plugging the sections together. Each PI section is factory wired to the ballast leads and is color coded for easy circuit identification. Standard PI system harness contains no separate ground wire, with ground provided by the fixture body. An option to the system provides a separate ground wire in the harness where required.

### ORDERING INFORMATION

Catalog Number Suffix	Number of Circuits	Circuit Wired to Ballast
PI 1 BLK	1	Black
PI 2 BLU	2	Blue
PI 2 BLK	2	Black
PI 3 RED	3	Red
PI 3 BLU	3	Blue
PI 3 BLK	3	Black

When ordering the PI2/PI3 System it is necessary to specify the number of fixtures required for each circuit.

Example: 200 (Fixture Quantity) SSF-296-120V-PI2

Requires:

- 100 (Fixture Quantity) SSF-296-120V-PI2/BLK
- 100 (Fixture Quantity) SSF-296-120V-PI2/BLU

SSF-296-**PI1**=Specify wire color of BLK for single circuit PIs since all the ballast leads will be wired to the black and white wires.

SSF-296-**PI2BLK**=Two (2) circuit PI with ballast leads wired to black and white wires

SSF-296-**PI2BLU**=Two (2) circuit PI with ballast leads wired to blue and white wires

SSF-296-**PI3RED**=Three (3) circuit PI with ballast leads wired to red and white wires

The Plug-In System is available on fixtures using Rapid Start, Slimline (430 MA), High Output (800 MA), or Power Groove (1500 MA) lamps up to twenty (20) amps per circuit.

Available on the following fixture series:

<b>Industrials</b>	<b>Strips</b>
IAF/ICF Series	SNF/SSF Series
DIF/DMF /DVMF Series	SNSM, SRA Series
I5/I8	RCG Series
	SM/SML

Wraps are available with PI1 option only. For other fixture series availability consult factory.

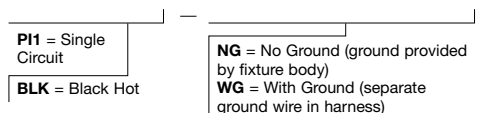
### Catalog Numbering System

The PI System is available in sections up to 8' in length for continuous row wiring by simply plugging the sections together. Each PI section is factory wired to the ballast leads. Color coding of wires is as follows:

- PI-1** = One (1) Circuit - Two (2) Wires: one black, one white
- PI-2** = Two (2) Circuits - Three (3) Wires: one black, one blue, one white
- PI-3** = Three (3) Circuits - Four (4) wires: one black, one blue, one red, one white

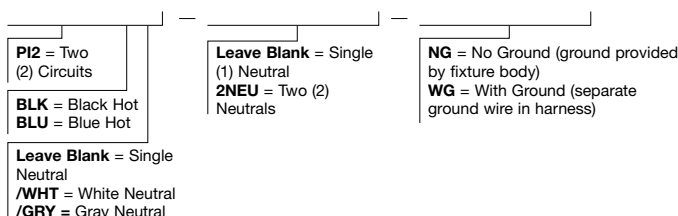
### PI1 - Single Circuit Plug-In

SAMPLE NUMBER: PI1BLK-WG



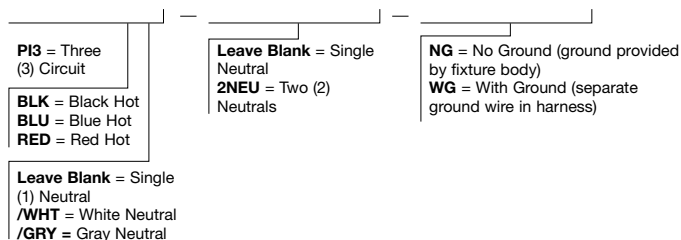
### PI2 - Two Circuit Plug-In

SAMPLE NUMBER: PI2BLK-WG



### PI3 - Three Circuit Plug-In

SAMPLE NUMBER: PI3BLK-WG



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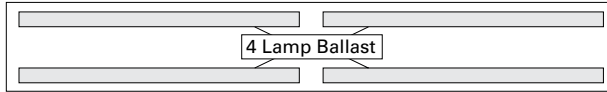
## TILW Option

Tandem In-Line  
Wiring System

### Description

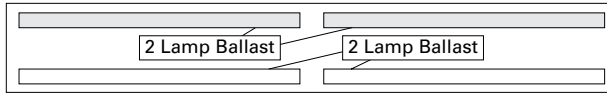
The Tandem In-Line Wiring option provides factory installed wiring when fixture sections are applied in pairs, and require left/right lamp switching. To explain, ballast receive their power from the circuit, with lamps getting their power from the ballast. TILW is the method of applying power from the ballast to specific lamps. TILW only applies to two (2) or more lamp cross sections. If the luminaire has only one (1) row of lamps, TILW is already present and unnecessary to specify. The TILW option is available on IAF/ICF, DIF/DMF/DVMF, SSF, SSL, SNF, SNSM, SNRA, RCG and I5/18.

The following ballast configuration does not allow for TILW:



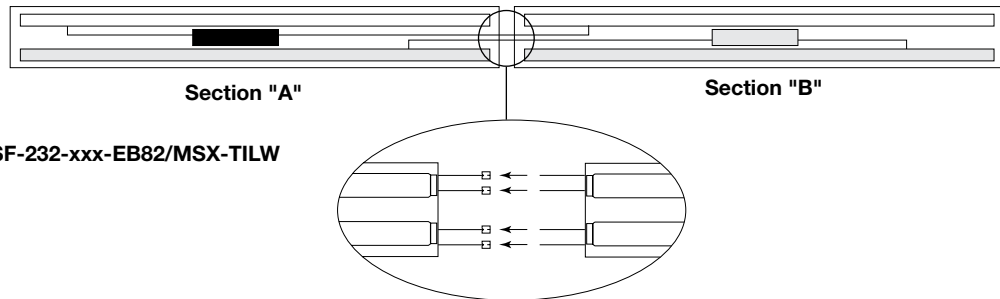
**8TSSF-232-xxx-EB81**

The following ballast configuration does not allow for TILW:



**8TSSF-232-xxx-EB82-TILW**

The TILW can also be used in applications where Master-Satellite configurations are required. Simply specify the appropriate Master-Satellite description followed by TILW. Standard TILW is provided with push-in connectors (shown below) for fixture wiring connections. Optional PITLW is provided with pre-configured wiring harness for quick and easy installation of Master-Satellite tandem in-line wired fixtures. Shown below is an example of a ballast configuration, along with sample fixture catalog number, including Master-Satellite and TILW.

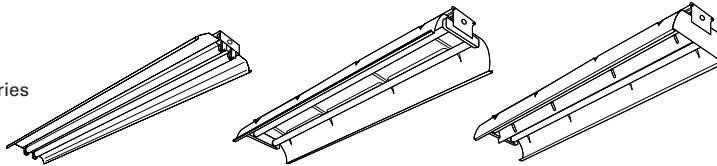


**SSF-232-xxx-EB82/MSX-TILW**

### Availability

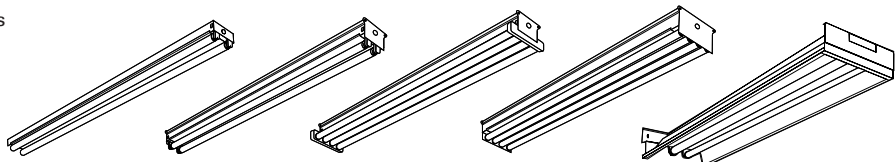
Industrials

ICF/IAF Series  
DIF, DMF, DVMF Series



Strips

SNF/SSF Series  
STN Series  
STM Series  
STW Series  
RCG Series  
ECG Series



For other fixture series availability consult Pre Sale Technical Support

For complete product data, reference the Fluorescent Specification binder. Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Solutions Representative for availability and ordering information.

