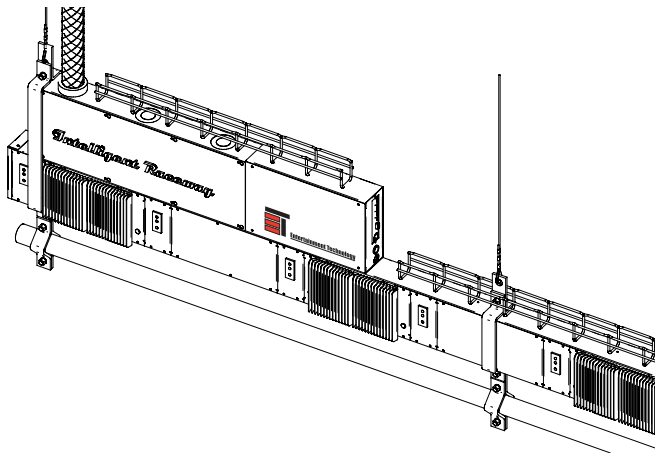


Project: _____

Location/Type: _____

IPS-IRW-SERIES



Features

- Chokeless IGBT dimming—no magnetics, no noise, less wasted energy and heat
- Available in lengths from 8 to 100 feet
- Up to 48 dual dimmer modules per Raceway
- Dynamic current sharing between dimmer pairs
- Lightweight at 6.5 lbs per foot
- Optional cable trays keep cables neat
- Natural convection—quiet operation, no cooling fans or air filters
- Reverse phase or forward phase control—quiet loads
- Absolute voltage and current regulation—longer lamp life
- Low Harm™ mode—controls harmonic neutral currents
- IPS Talkback™—reports dimmer and load status when used with IPS controls
- IPS Remote Commands™—change dimmer operating modes on the fly
- IPS "Focus" button on each dimmer—saves set-up time and labor
- Use standard USITT DMX512 or TCP/IP over Ethernet
- Takes up the same space as a standard connector strip:
6 in high x 5 in deep x up to 100 ft long
(15.24 cm high x 12.7 cm deep x up to 30.28 m long)

Description

The IPS-IRW Series Intelligent Raceway replaces a conventional dimmer rack and connector strip with one lightweight device. Each Raceway can be up to 100 feet in length and contain up to 48 dual dimmer modules, for a total of 96 dimmers. Either dimmer may be loaded up to 20A when used alone, or when the two dimmers are operated at the same time, any combination of loads may be connected, as long as the combined total of both dimmers does not exceed 20A.

The IPS-IRW is fed from a standard 3 phase 4 breaker panel (by others). This significantly reduces the number of wires (4 vs. 12—not including equipment grounds—for 6 outlets) and reduces the installed cost when compared to conventional dimmed connector strips. Each dimmer incorporates a local focus button for quick set-up and testing. IPS dimmers utilize state-of-the-art insulated gate bipolar transistor (IGBT) technology, which provide significant performance enhancements over conventional dimming equipment. IPS dimmers are completely solid-state enabling them to operate silently without mechanical noise and operate at 800uS in forward or reverse phase waveform, which dramatically minimizes lamp, ballast, or transformer noises in the space. Since IGBT technology does not use filters or chokes, IPS dimmers are more efficient, with a maximum 2.5 voltage drop at full, are lightweight at less than 2 lbs per dimmer, and produce less heat than conventional dimmers.

IPS dimmers offer an extended feature set that is unsurpassed in today's conventional dimming equipment. Every IPS dimmer has an on-board, intelligent microprocessor, which adjusts and maintains proper voltage and current in response to changes detected in the load and electrical service. The microprocessor automatically suppresses surges, protects against dead shorts, and extends lamp life.

Configuration features include Talkback™, which provides dynamic feedback of load size/type, short circuit, temperature and overload. IPS dimmers also significantly reduce neutral harmonics and may be configured to operate in Low Harm™ mode, making them the lowest harmonic dimmer available. Other configuration features include IPS Remote Commands™ which provide user control of forward or reverse phase dimming during operation, and selectable voltage output control from 115 or 120V. With standard features that surpass every other dimmer, the Intelligent Power System is the most advanced dimming system available.



Entertainment Technology

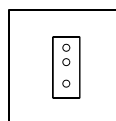
For technical/sales assistance, call: 1-800-223-9477
Made in U.S.A.

www.etdimming.com

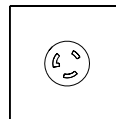
P/N 87-0305

Specifications

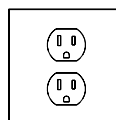
Number of Dimmers	Up to 96 (48 dual dimmer modules)
Maximum Output Voltage (selectable)	115/120 Volts
Min/Max Dimmer Load	min 1W, max 2400W
Transition (Fall) Time	800 microseconds
Insertion Loss	2.5 Volts (2%)
Supply	120V, 20 A per 20A module
Frequency	50/60Hz
Control Connection	USITT DMX512 in and through TCP/IP over 10BASE-T Ethernet/USITT DMX512 out (using Pathport)
Circuit Protection	Multiple circuits, 20A each
Ambient Temperature	0° to 40° C
Relative Humidity	5% to 95% non-condensing
Cooling Method	Natural Convection
Height	6" (15.24 cm) terminal box adds 8.5" (21.59 cm)
Depth	5.25" (13.335 cm)
Length	8-100 feet (1.22 - 30.48 meters)
Weight	6.5 lbs per foot (3.9 lbs per dimmer)
Power Feed	4 #10 AWG per dual dimmer module (configured to job specification)



(PC) Grounded Stage Pin



(TL) Grounded Twistlock
NEMA L5-20R



(SB) Straight Blade
NEMA 5-20R (T-slot)

Order Checklist

IPS-IRW-(AA)-(BB)-(CC)-(P or F)

(AA)	length of Raceway in feet (8 ft. sections)
(BB)	Number of dual dimmer modules (up to 48)
(CC)	Type of load connector (PC = Pin Connector, TL = Grounded Twistlock, SB = Straight Blade)
(P or F)	Pigtail or Flush connector

Wiring Diagram

