

R21 Powered Raceway



R21 Powered Raceway Distributed Dimming System

R21 Powered Raceway from Strand Lighting is a perfect extension of our C21 and A21 range of installed dimmer cabinets. Systems can be mixed and matched as needed to create a completely flexible lighting system to meet the needs of any installation. Our powered raceway features quiet convection cooled IGBT dimming for low lamp noise and reliable operation.

Strand Lighting's powerful ShowNet Ethernet network allows easy integration of your entire lighting system with consoles, houselight systems and fixed dimming racks all connecting seamlessly over a network. The heart of the system is our

powerful Raceway processor which may be mounted locally on the raceway or remotely in an easy to access auxiliary rack. One processor can control up to 96 dimmers over multiple raceways simplifying set up and operation. Our Report.net software allows remote status monitoring over our network.

Each raceway can have dimmed circuits for conventional luminaires and constant power for automated lighting systems. A wide range of hangers are available for pipe mount and wall mount applications to meet the needs of any installation.

Features

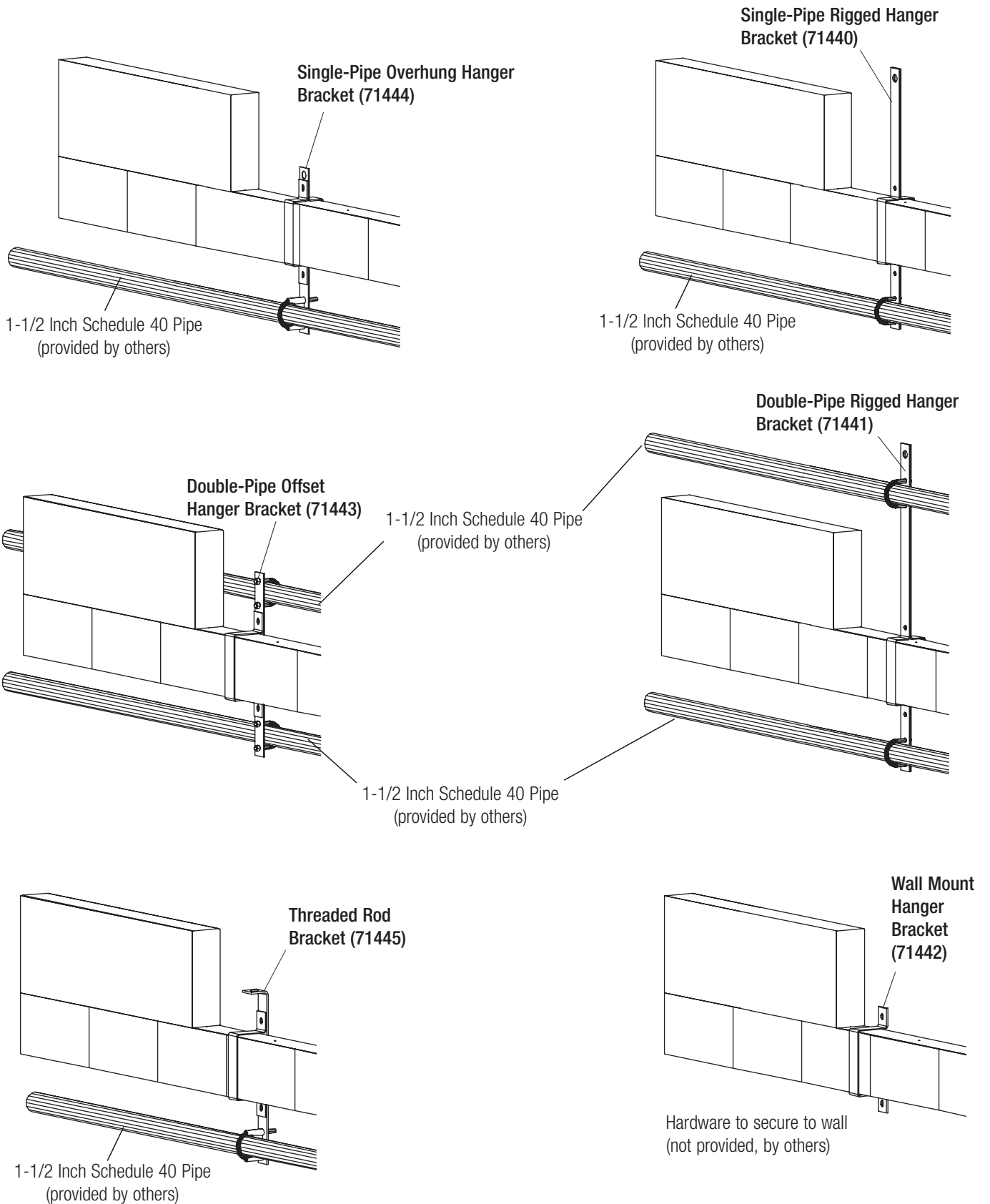
- Fully Digital Powered Raceway
- DMX512 I/O
- Simplified Data distribution over ShowNet Networking
- Remote processor option provides support for up to 96 dimmers
- Quiet convection cooled dual IGBT dimmers
- Energy efficient – only a 2.5 volt insertion loss
- Local Focus buttons and status display
- 1000 μ s transition time significantly reduces lamp sing
- Automatic Short Circuit protection
- Wide range of load connector options
- Integrates with Strand C21 and A21 Dimmers
- Dimmer Status reporting standard
- Hangers available for Wall and pipe mount applications
- Our "Z-Fold Tiered Packaging" is designed to accommodate the use of palette jacks and forklifts to transport the R21 Powered Raceway from our factory to your job site. This unique shipment method also assures that your R21 Powered Raceway arrives at your project site scratch and dent free.
- UL and cUL listed and labeled
- Custom lengths and configurations are available

PHILIPS
Strand Lighting

SPECIFICATION SUBMITTAL

CONSULTANT: <input type="text"/>	PROJECT NAME: <input type="text"/>	MODEL NUMBER QUANTITY: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
DATE: <input type="text"/>	PROJECT NUMBER: <input type="text"/>	APPROVED BY: <input type="text"/>

R21 Powered Raceway Mounting Hardware



Note: Brackets must be spaced every five feet (or less) per NEC® requirements.

Technical Information

Number of Dimmers:	Up to 96	Depth:	5.25 in. (including module heatsink)
Output Voltage:	115/120 Volts AC (max.)	Length:	8 to 96 Feet
Minimum Load:	1 watt	Weight:	6.5 lbs. per Foot
Maximum Load:	2400 Watts (per dimmer module)	Connector Types:	GP – Grounded Stage Pin GTL – Twistlock GR – Edison NEMA 5-20R
Insertion Loss:	2.5 Volts AC (max.)		
Power Feed:	3-Phase, 4 Wire 120/208 volts, 20 Amps per 3 Dimmer Modules		
Frequency:	50/60Hz		
Ambient Temperature:	32 to 104° F / 0 to 40° C		
Humidity:	5%-95% Non-Condensing		
Cooling:	Natural Convection		
Height:	6 in. (14.5 in. with terminal box)		



Ordering Information

Cat No. Description

R21 Powered Raceway	
96350-aa-bb-cc-dd-e-ff	
aa	= Total Length in Feet
bb	= Number of 20 Amp Dual-Dimmer Modules
cc	= Number of Dimmer Load Connectors
dd	= Dimmer Load Connector Type (GP - Grounded Stage Pin / GTL - Twistlock / GR - Edison)
e	= Connector Style (F - Flush / P - Pigtail)
ff	= If Pigtail, Specify Pigtail Length in Inches (note, standard length is 18 inches)
Mounting Hardware	
71440	Single-Pipe Rigged Hanger Bracket
71441	Double-Pipe Rigged Hanger Bracket
71442	Wall-Mount Hanger Bracket
71443	Double-Pipe Offset Hanger Bracket
71444	Single-Pipe Overhung Pipe Hanger Bracket
71445	Single-Pipe Threaded Rod Hanger Bracket

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