

# WIREMOLD® Steel Raceway Systems

# Low Profile, Single & Dual Channel Steel Raceway

2400® Series Raceway is a single compartment raceway designed for communication or power applications and ideal for use in classrooms, offices, and hotel applications, or anywhere a small low profile raceway is needed.

2400D® Series Divided Raceway is a low profile steel raceway for use where a limited number of power and low voltage cables are required in the same raceway.

2400 Series Raceway shown with our new Downward Facing Receptacles in a typical school library application.



# FEATURES & BENEFITS

- Steel raceway. Provides superior strength for any dry location.
- Single- and dual-compartment attractive low profile raceway design. Provides functionality and flexibility with aesthetics for single or dual service applications.
- Downward facing activations. Streamlines the raceway appearance and provides increased protection for both activations and cabling.
- ScuffCoat™ finish. Tough durable ScuffCoat finish makes a scratch-resistant surface that can be painted.
- Complete line of fittings. Provides complete wiring solution and allows for interconnection between raceway systems.
- Removable cover. Allows easy access to wiring for changes and additions.
- One- and two-gang device boxes. Now you can wire devices into the raceway system, making 2400 Series Raceway an excellent choice for communication wiring.
- Over the raceway boxes. Provides tremendous labor savings. Boxes mount over continuous run of raceway base eliminating the need to cut raceway when locating devices.

- Bend radius control fittings. Corner and tee fittings are UL verified to maintain full capacity 2" (51mm) bend radius control and exceed the recommendations of EIA/TIA 569A. These fittings provide cable protection in both lay-in and pull-through cable installations.
- **V2475D Bridge Fitting.** Provides ability to bridge 2400 Series Raceways over existing installations of 2400, 700, and 500 Series Raceways.
- In-line field-configurable receptacles. Receptacles can be installed at any point along the raceway without a box.
- In-line 106 frame data outlet. A wide variety of data modules can be installed anywhere along the raceway run without a box.
- Communication connectivity options. Accepts industry standard and proprietary devices from a wide range of manufacturers to provide a seamless and aesthetically pleasing interface for voice, data, audio, and video applications at the point of use.
- UL and cUL Listed component raceways. File E4376 Guide RJBT, Fittings: File E41751 Guide RJPR. Meets Article 386 of NEC and meets Section 12-600 of CEC.



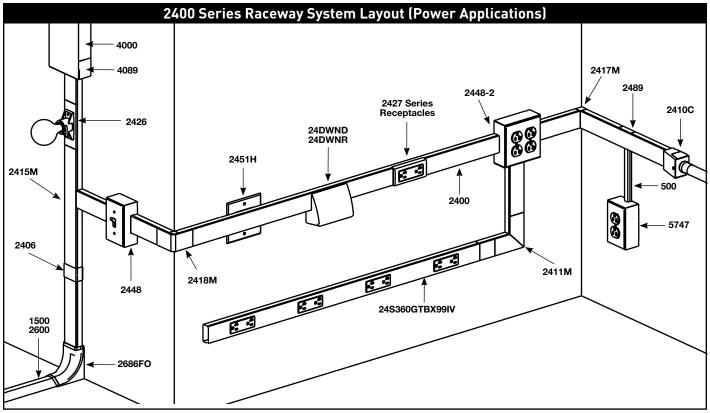
24DWNR Downward Facing Activation shown in a security application.



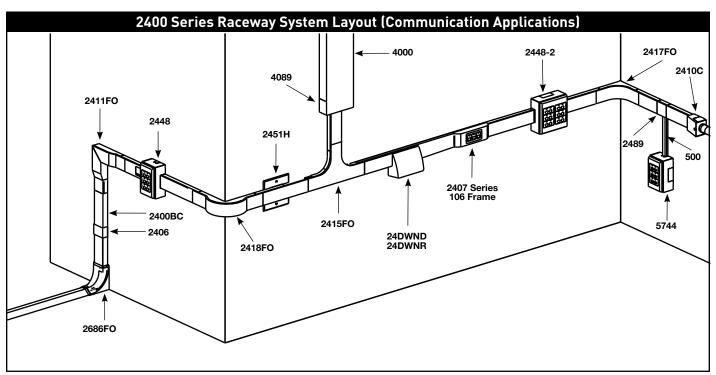
2400 Series Raceway shown with our new 2444D-2N Divided Device Box in a typical classroom application.



Download this product's PEP ecopasport  $_{\circledR}$  environmental product declaration at www.legrand.us/resources-and-downloads. This declaration conforms with ISO 14025 and 14040 and is in alignment with EN 15804.



NOTE: Illustration is for product applications and may not represent proper circuit wiring. Color prefix is not included in part number identification.

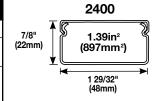


NOTE: Illustration is for product applications and may not represent proper circuit wiring.

Color prefix is not included in part number identification.

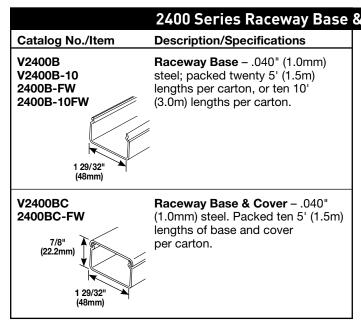
# 2400 Series Raceway Wire Fill Capacity Charts

2400 Raceway Wire Fill Capacities for Power*					
	NUMBER OF CONDUCTORS (40% FILL)			DUCTORS (40% FILL)	
WIRE SIZE	O.D.		WITHOUT	WITH 2427	
THHN/THWN	Inches	(mm)	DEVICES	RECEPTACLE	
14 AWG	0.111	(2.8)	57	12	
12 AWG	0.130	(3.3)	41	9	
10 AWG	0.164	(4.2)	26	_	

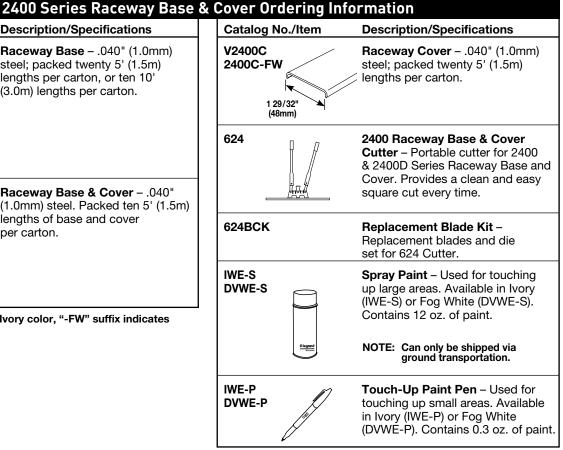


<sup>\*</sup>For additional information, refer to Technical Section in the current version of the Wiremold Catalog.

2400 Raceway Wire Fill Capacities for Communications				
		O.D. (Approx Dia.)		
	CABLE/WIRE SIZE	Inches	(mm)	40% FILL**
UNSHIELDED TWISTED PAIR	4-Pair, 24 AWG, Cat 3 4-Pair, 24 AWG, Cat 5e 4-Pair, 24 AWG, Cat 6 4-Pair, 24 AWG, Cat 6a 25-Pair, 24 AWG	0.190 0.210 0.250 0.354 0.410	(4.8) (5.3) (6.3) (8.9) (10.4)	19 16 11 5 4
COAXIAL	RG6/U	0.270	(6.9)	9
FIBER	ZipCord Round 4-Strand Fiber Round 6-Strand Fiber	0.118 x 0.236 0.187 0.256	(3 x 6) (4.8) (6.5)	20 20 10



NOTE: "V" prefix indicates Ivory color, "-FW" suffix indicates Fog White color.



#### 2400 Series Raceway Fittings Ordering Information **Description/Specifications** Catalog No./Item **Description/Specifications** Catalog No./Item V2410FC **Full Capacity Entrance** 2400WC Wire Clip - Additional support 2410FC-FW End Fitting - Feeds 2400 for conductors in 2400 Series Series Raceway. Includes three (25mm) 3/4" and 1" concentric trade Raceway. (Nonmetallic) size KOs. 2 1/4" 2401 Coupling - Joins sections (51mm) (57mm) of 2400B Base. (76mm) Radiused Flat Elbow -V2411FO 2411FO-FW 90° flat corner that provides 2" V2406 Cover Clip - Covers joints (51mm) cable bend radius control 2406-FW where sections of 2400 Series 6 1/2" (165mm) for fiber optic and UTP/STP cable Raceway cover or base come installations. Ideal for lay-in or 3/8" together. Nonmetallic construction. pull-through installations. 1 1/2" (38mm) Couplings included. 5 1/2" 2409 **Ground Clamp** - Connects (140mm) 1/2" equipment grounding conductor (12.7mm) to 2400 Series Raceway. No. 10 ground screw provided. V2411M Flat Elbow - Makes right angle 1 29/32" 2411M-FW turns in runs of 2400 Series V2410A **Entrance End Fitting** – Connects Raceway on same surface. 2410A-FW 2400 Series Raceway with 1/2" trade size conduit or armored cable. (51mm) 1 5/8 (41mm) 3 15/16 1 3/16" (30mm) (100mm) V2410B Blank End Fitting - Closes off V2415FO Radiused Tee - Branches at 2410B-FW open end of 2400 Series Raceway. 2415FO-FW right angles. Provides a controlled 2" (51mm) cable bend radius control 1 3/16" (203mm) for fiber optic and UTP/STP cable (254mm) installations. Couplings included. 5 7/8" (149mm) V2410C **Entrance End Fitting** – Feeds 4 7/8" 2400 Series Raceway. Includes 2410-FW 1/2" and 3/4" trade size KOs on end 1 7/8 and bottom. Additional 1/2" trade 2 11/16" (68mm) size KO on both sides. V2415M Tee - Branches at right angles. 2415M-FW Couplings included. 2 1/8" (54mm) **V2410DFO Divided Entrance End Fitting -**2410DFO-FW Feeds 2400 & 2400D Series (102mm) Raceway. Includes 1/2", 3/4", and 1" trade size KOs on back V2417FO Radiused Internal Elbow and end. Removable divider and 2417FO-FW 90° internal corner. Provides a (121mm) bend radius control insert included. controlled 2" (51mm) cable bend 2 7/81 radius control for fiber optic and UTP/STP cable installations. (102mm) Couplings included. 7 1/8" (181mm)

NOTE: "V" prefix indicates Ivory color, "-FW" suffix indicates Fog White color.

# 2400 Series Raceway Fittings Ordering Information (continued)

## Catalog No./Item

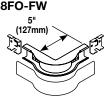
# **Description/Specifications**

# V2417M Inte 2417M-FW (45mm) Mak of 2

Internal Elbow -

Makes 90° internal corners in runs of 2400 Series Raceway.

V2418FO 2418FO-FW

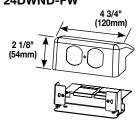


Radiused External Elbow – 90° external elbow. Provides a controlled 2" (51mm) cable bend radius control for fiber optic and UTP/STP cable installations. Couplings included.

V2418M Ex 2418M-FW 11/4" ex Se (32mm) Se

External Elbow – Makes 90° external corners in runs of 2400 Series Raceway.

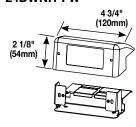
#### V24DWND 24DWND-FW



**Downward Duplex Device** 

**Bracket** – Labor saving, over-the-raceway device bracket. For 15A or 20A duplex receptacles or 106 style data frame in 2400 Series Raceway.

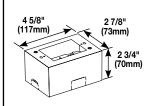
#### V24DWNR 24DWNR-FW



Downward Decorator
Device Bracket – Labor saving
over-the-raceway device bracket.
For 15A or 20A decorator/GFCI
receptacles or decorator style data
frame in 2400 Series Raceway.

# Catalog No./Item

## V2444 2444-FW

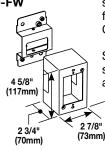


# Description/Specifications

# Extra Deep Device Box -

One-gang device box has extra depth to permit installation of cabling that requires greater bend radius and storage. Cover has one twistout for 2400 Series Raceway on two sides and one twistout for 500 and 700 Series Raceway on the top and bottom. Accepts industry standard faceplates for electrical and communication devices.

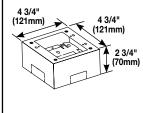
#### V2444D 2444D-FW



**Device Box** – One-gang, labor saving, over-the- raceway box for use with 2400 Series Raceway. Cover has two twistouts for 2400

Series Raceway. Accepts industry standard faceplates for electrical and communication devices.

#### V2444-2 2444-2FW



gang device box has extra depth to permit installation of cabling that requires greater bend radius and storage. Cover has four twistouts for 2400 Series Raceway. Base includes knockout to enable extension from existing single-gang flush wall box and 1/2" and 1" concentric trade size KOs. Accepts industry standard faceplates for electrical and communication devices.

#### V2444-2LS 2444-2LSFW



**Device Box** – Two-gang, labor saving, over-the-raceway box for use with 2400 Series Raceway. Cover has four twistouts for 2400 Series Raceway. Accepts industry standard faceplates for electrical and communication devices.

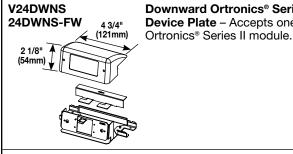
# DOWNU-FW 4 3/4" Downward Extron® MAAP Device Plate – Accepts two Extron® Electronics MAAP single



space modules.

NOTE: "V" prefix indicates Ivory color, "-FW" suffix indicates Fog White color.

# 2400 Series Raceway Fittings Ordering Information (continued) Catalog No./Item **Description/Specifications Downward Ortronics® Series II** Device Plate - Accepts one



2 7/8"

(73mm)

(44mm)

V2448

2448-FW

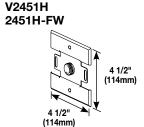
4 5/8

(117mm

Device Box - One-gang device box. Cover has one twistout for 2400 Series Raceway on two sides and one twistout for 500 and 700 Series Raceway on the top and bottom. Base includes knockout to enable extension from existing single-gang flush wall box and 1/2" trade size KOs. Accepts industry standard faceplates for electrical and communication devices.

# V2448-2 2448-2FW 4 3/4" (121mm) 4 3/4" (121mm)

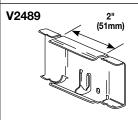
Device Box - Two-gang device box. Cover has four (4) twistout for 2400 Series Raceway. Base includes knockout to enable extension from existing single-gang flush wall box and 1/2" trade size KOs. Accepts industry standard faceplates for electrical and communication devices.



Back Feed Fitting - Feeds 2400 Series Raceway from an existing outlet box. Equipped with 1/2" trade size male bushing and lock nut washer for grounding.

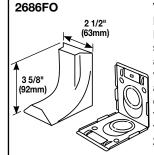


Bridge Fitting - Allows 2400 Series Raceway to bridge over existing installations of 2400, 500, or 700 Series Raceways.

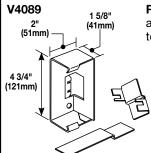


Side Reducing Connector -Connects 2400 Series Raceway with 500 Series Raceway.

# Catalog No./Item **Description/Specifications** V2489TB Transition Box - Connects existing installations of 2100 Series 2 7/8" 4 5/8" (173mm) Raceway to 2400 Series Raceway. (117mm) (44mm) 2100

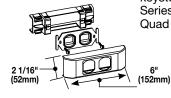


**Transition Feed Fitting –** Eliminates offsetting of 2400 Series Raceway in connecting with surface panel boxes. Has 3/4" and 1" concentric trade size KOs with 1" trade size KO elongated so adjustment from surface to center of bushing is 1" (25mm) minimum to 1 5/8" (41mm) maximum. Has twistouts for transition to 1500 and 2600 Series Pancake Raceways.



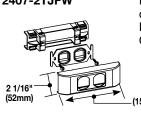
Reducing Connector - Reduces and connects 4000 Series Raceway to 2400 Series Raceway.





106 Device Bracket and Frame -Installs two network wiring keystone device modules in 2400 Series Raceway. Does not support Quad 106 Frame.

V2407-2TJ 2407-2TJFW

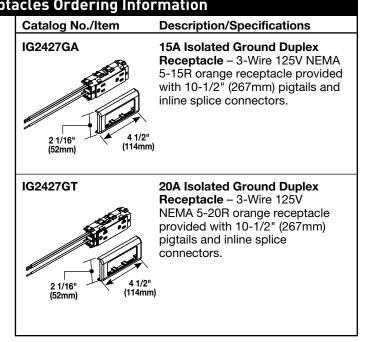


106 Device Bracket and Frame -Installs two Ortronics TracJack device modules in 2400 Series Raceway. Does not support Quad 106 Frame.

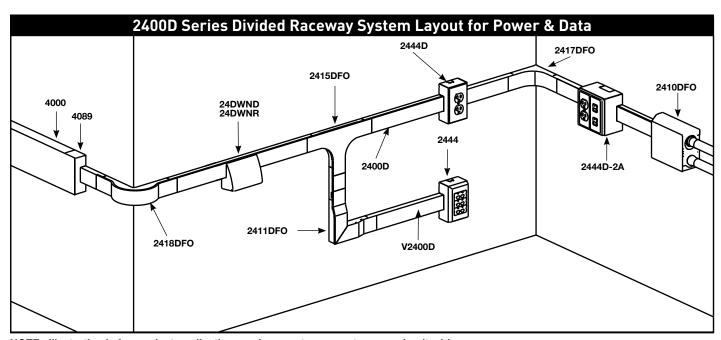
(152mm)

NOTE: "V" prefix indicates Ivory color, "-FW" suffix indicates Fog White color.

# 2400 Series Raceway Receptacles Ordering Information **Description/Specifications** Catalog No./Item V2407-3TJ 106 Device Bracket and Frame -2407-3TJFW Installs three Ortronics TracJack device modules in 2400 Series Raceway. Does not support Quad 106 Frame. 2 1/16" (152mm) 15A Duplex Receptacle - 3-Wire V2427GA 125V NEMA 5-15R receptacle provided with 10-1/2" (267mm) pigtails and inline splice connectors. 2 1/16" (52mm) 4 1/2" (114mm) V2427GT 20A Duplex Receptacle - 3-Wire 125V NEMA 5-20R receptacle provided with 10-1/2" (267mm) pigtails and inline splice connectors. 4 1/2" (114mm) 2 1/16"



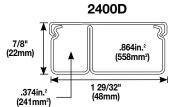
NOTE: "V" prefix indicates Ivory color, "-FW" suffix indicates Fog White color.



NOTE: Illustration is for product applications and may not represent proper circuit wiring. Color prefix is not included in part number identification.

# 2400D Series Divided Raceway Wire Fill Capacities

2400D Series Divided Raceway Wire Fill Capacities for Power					
WIRE SIZE	O.D.		NUMBER OF CONDUCTORS (40% FILL)		
THHN/THWN	Inches	(mm)	1/3 COMP.	2/3 COMP.	
14 AWG	0.111	(2.8)	11	26	
12 AWG	0.130	(3.3)	9	19	
10 AWG	0.164	(4.2)	6	11	



<sup>\*</sup>For additional information refer to Technical Section of Wiremold Product Guide.

2400D Series Divided Raceway Wire Fill Capacities for Communications					
	CABLE/WIRE SIZE	O.D. (Approx Dia.) Inches (mm)		1/3 COMPARTMENT 40% FILL	2/3 COMPARTMENT 40% FILL**
UNSHIELDED TWISTED PAIR	4-Pair, 24 AWG, Cat 3 4-Pair, 24 AWG, Cat 5e 4-Pair, 24 AWG, Cat 6 4-Pair, 24 AWG, Cat 6a 25-Pair, 24 AWG	0.190 0.210 0.250 0.354 0.410	(4.8) (5.3) (6.3) (8.9) (10.4)	5 4 3 1 1	12 9 7 3 2
COAXIAL	RG6/U	0.270	(6.9)	2	6
FIBER	ZipCord Round 4-Strand Fiber Round 6-Strand Fiber	0.118 x 0.236 0.187 0.256	(3 x 6) (4.8) (6.5)	5 5 2	12 12 6

2400D Series Divided Raceway Base & Cover Ordering Information				
Catalog No./Item	Description/Specifications		Catalog No./Item	Description/Spe
V2400BD 2400BD-FW	Divided Raceway Base – .040" (1.0mm) steel; divided into 1/3 and 2/3 compartments. Packed ten 10' (3.0m) lengths per carton.		624	2400 Raceway B Cutter – Portable 2400D Series Rac Cover. Provides a square cut every
V2400C 2400C-FW	Raceway Cover – .040" (1.0mm) steel; packed twenty 5' (1.5m) lengths per carton.		624BCK	Replacement Blacement blac
1 29/32" (48mm)			IWE-S DVWE-S	Spray Paint – Us up large areas. Av (IWE-S) or Fog W Contains 12 oz. o
			El legrand	NOTE: Can only be

NOTE: "V" prefix indicates Ivory color, "-FW" suffix indicates Fog White color.

Catalog No./Item	Description/Specifications
624	2400 Raceway Base & Cover Cutter – Portable cutter for 2400 & 2400D Series Raceway Base and Cover. Provides a clean and easy square cut every time.
624BCK	Replacement Blade Kit – Replacement blades and die set for 624 Cutter.
IWE-S DVWE-S	Spray Paint – Used for touching up large areas. Available in Ivory (IWE-S) or Fog White (DVWE-S). Contains 12 oz. of paint.  NOTE: Can only be shipped via ground transportation.
IWE-P DVWE-P	Touch-Up Paint Pen – Used for touching up small areas. Available in Ivory (IWE-P) or Fog White (DVWE-P). Contains 0.3 oz. of paint.

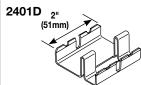
# 2400D Series Divided Raceway Fittings (continued)

# Catalog No./Item

# **Description/Specifications**

2400WC 1" (25mm)

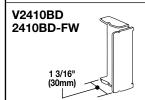
Wire Clip - Additional support for conductors in 2400D Series Raceway. (Nonmetallic)



**Divided Coupling** – Joins sections of 2400DB Divided Base.



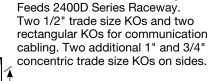
Cover Clip - Covers joints where sections of 2400 Series Raceway cover or base come together. Nonmetallic construction.

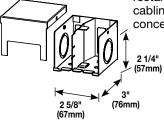


Divided Blank End Fitting - Closes off open end of 2400D Series Raceway.

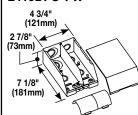
**Divided Entrance End Fitting -**

# V2410D 2410D-FW



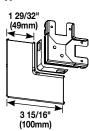


**V2410DFO** 2410DFO-FW



**Divided Entrance End Fitting -**Feeds 2400 & 2400D Series Raceway, Includes 1/2", 3/4", and 1" trade size KOs on back and end. Removable divider and bend radius control insert included.

#### V2411D 2411D-FW

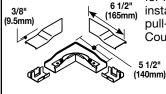


Divided Flat Elbow - Makes right angle turns in runs of 2400D Series Raceway on same surface.

# Catalog No./Item **V2411DFO** 2411DFO-FW

# **Description/Specifications** Radiused Divided Flat Elbow -

90° flat elbow with integral dividers to provide 2" (51mm) full capacity cable bend radius control for fiber optic and UTP/STP cable installations. Ideal for lay-in or pull-through installations. Couplings included.





### V2415DFO 2415DFO-FW

# 81 (203mm) 10" 5 7/8" (149mm)

# Radiused Divided Tee -

For branches at right angles. Provides 2" (51mm) full capacity cable bend radius control for fiber optic and UTP/STP cable installations. Couplings included.

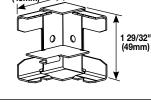


# V2417D 2417D-FW

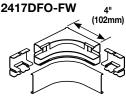
# 1 3/4" (45mm)

# **Divided Internal Elbow -**

Makes internal 90° corners in runs of 2400D Series Raceway.

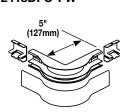


# **V2417DFO**



Radiused Divided Internal Elbow -90° internal corner. Provides a 2" (51mm) full capacity cable bend radius control for fiber optic and UTP/STP cable installations. Couplings included.

# V2418DFO 2418DFO-FW



# **Radiused Divided External**

**Elbow** – 90° external elbow. Provides a 2" (51mm) full capacity cable bend radius control for fiber optic and UTP/STP cable installations. Couplings included.

NOTE: "V" prefix indicates Ivory color, "-FW" suffix indicates Fog White color.

# 2400 Series Divided Raceway Fittings Ordering Information (continued)

# Catalog No./Item

# **Description/Specifications**

# V24DWND 24DWND-FW 4 3/4" (54mm) (120mm)

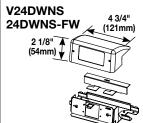
Downward Duplex Device Bracket – Labor saving over-theraceway device bracket. For 15A or 20A duplex receptacles or 106 style data frame in 2400D Series Raceway.



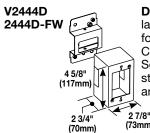
Downward Decorator Device Bracket – For 15A and 20A decorator/GFCI receptacles or 106 style data frame in 2400D Series Raceway.



Downward Extron® MAAP
Device Plate – Accepts two
Extron® Electronics MAAP single
space modules. Raceway base
must be cut.

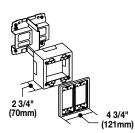


Downward Ortronics® Series II Device Plate – Accepts one Ortronics® Series II module. Raceway base must be cut.



Device Box – One-gang, labor saving, over-the-raceway box for use with 2400D Series Raceway. Cover has two twistouts for 2400D Series Raceway. Accepts industry standard faceplates for electrical and communication devices.

## V2444D-2A 2444D-2AFW



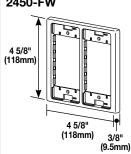
Divided Device Box – Divided two-gang, labor saving, over-the-raceway box for use with 2400D Series Raceway. Provides the ability to have both power and low voltage at a single point-of- use. Accepts 5507 Series Faceplates, Ortronics® TracJack & Series II Modules (requires S2-EPL Plate), Pass & Seymour Activate Series Inserts (requires CM-EPLA Plate) and Wiremold CM2 Series Open System Communication Modules (requires CM-EPLA Plate).

# V2444D-2N 2444D-2NFW 4 3/4" (121mm) 4 3/4" (121mm) 70mm)

# **Description/Specifications**

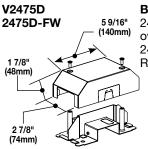
Divided Box – Labor savings over-the- raceway box. A divided two-gang box for use with 2400D Series Raceway. Allows both power and low voltage at a single pointof-use. For use with commercially available faceplates (not supplied).

## V2450 2450-FW



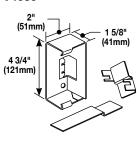
#### Device Bracket -

For use with 2444D-2N for both power and low voltage at a single point of use. Accepts 5507 Series Faceplates, Ortronics® TracJack & Series II Modules (requires S2-EPL Plate), Pass & Seymour Activate Series Inserts (requires CM-EPLA Plate) and Wiremold CM2 Series Open System Communication Modules (requires CM-EPLA Plate).



**Bridge Fitting** – For allowing 2400D Series Raceway to bridge over existing installations of 2400, 2400D, 500, and 700 Series Raceways.

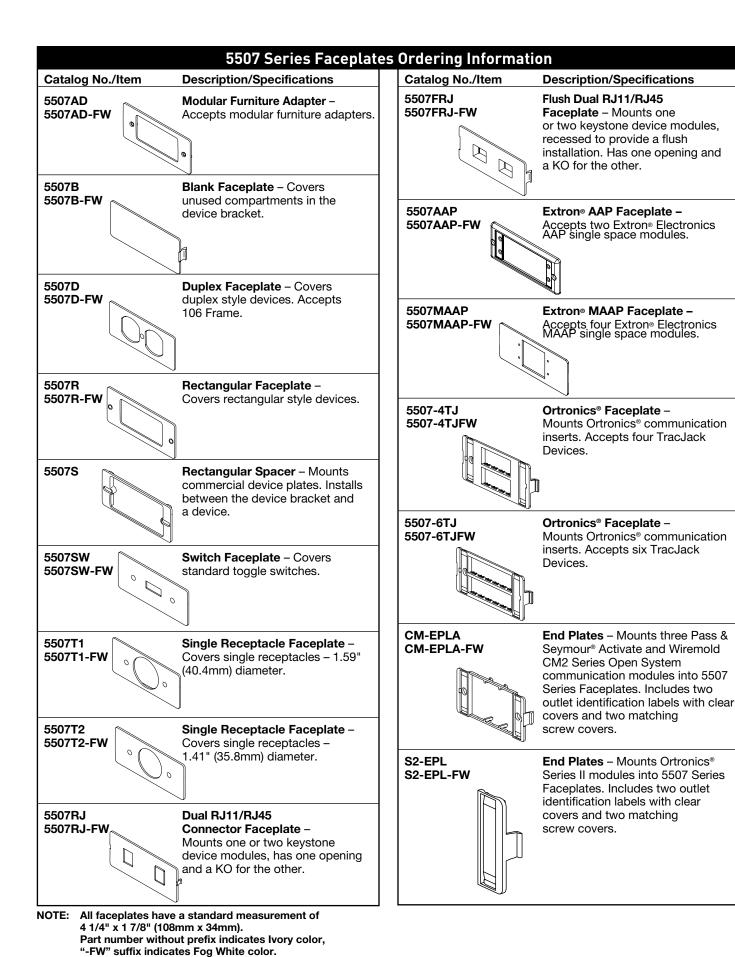
#### V4089



# Reducing Connector -

For reducing from 4000 Series Raceway to 2400D Series Raceway.

NOTE: "V" prefix indicates Ivory color, "-FW" suffix indicates Fog White color.



# NOTES



# **Electrical Wiring Systems**

60 Woodlawn Street West Hartford, CT 06110 Phone: 1.877.BY.LEGRAND (295-3472) www.legrand.us

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