

WIREMOLD®

Eclipse™ Series Raceways

Small Nonmetallic Raceway Systems For Communications and Power Applications

Eclipse™ PN03, PN05, and PN10 Series Raceways are single compartment raceways designed for communication or power applications. They are ideal for use in classrooms, offices, and hotel applications, or anywhere a small, low profile raceway is needed.

Eclipse PN03, PN05, and PN10 Series Raceways are specifically designed for the workstation. They accept Ortronics® Series II and TracJack® modules, Pass & Seymour® Activate Series inserts, and Wiremold Open System communication modules.



Eclipse PN05 Series Raceway shown in an office installation.

FEATURES & BENEFITS

- Available in three sizes. PN03, PN05, and PN10 provide flexibility for meeting various capacity requirements. Perfect for most small drops and horizontal runs to work stations.
- Durable, flexible co-extruded hinge construction (on latching profiles). Allows for repeated openings and closings while maintaining product integrity and aesthetics.
- Snap-on latching cover. Provides security with access to wiring for changes or additions.
- Three standard colors. Stock colors are ivory, white, and fog white (matches with Ortronics® White). Consult factory for custom colors. Paintable using latex paint.
- 1" (25mm) bend radius compliant fittings. Full capacity, aesthetically pleasing fittings provide 1" (25mm) bend radius.
- Adhesive backing for low-voltage (under 50V) applications. Allows base to be pressed onto surface, speeds installation.
- Lightweight and easy to handle. Saves time and labor costs. Standard 8' (2.44m) lengths can be installed by one person.
- Designed for use with Ortronics® TracJack and Series II modules. A wide variety of media interface inserts to ensure a reliable, cost-effective activation for the most demanding communication system designs.
- PSB3 Device Box accommodates wireless. Designed for use with Ortronics® Wi-Jack™ Wireless Access Points.

- Accommodates communication or power wiring. Can be used for communications, computer lines, surveillance systems, fire alarms, outlets, and more.
- Easy to align. All base and fittings have unique alignment guides built in to help avoid unsightly gaps and uneven installations. All fitting covers have 1/4" (6.4mm) overlap to hide uneven cuts of raceway.
- Ceiling fitting slips over suspended ceiling grid. Saves time and labor by eliminating need to cut metal ceiling grid.
- FT-4 Flame Spread Rating. Eclipse™ Raceway meets the definition of "resistant to the spread of fire" in Article 760 of the NEC and is therefore suitable for use with Type NPLF non-power-limited fire alarm cable and Type FPL powerlimited fire alarm cable.
- Datacom connectivity options. Accepts industry standard and proprietary devices from a wide range of manufacturers to provide a seamless and aesthetically pleasing communications interface at the point of use.
- Ratings: 600VAC, FT-4 Rated for Canada
- UL and cUL Listed component raceways. File E90378 Guide RJTX, Fittings: File E90377 Guide RJYT. Meets Article 386 of NEC and meets Section 12-1600 of CEC.





Eclipse Raceways shown in typical installations.

Eclipse Series PN03, PN05, and PN10 System Layout A - PN03L08, PN03L10, PN05L08, PN05L10, PN10L08, PN10L10 B - PN03F06, PN05F06, PN10F06 C - PN03F11, PN05F11, PN10F11 D - PN03F15, PN05F15, PN10F15 E - PN03F17, PN05F17, PN10F17 F - PN03F18, PN05F18, PN10F18 G - PN03F19, PN05F19, PN10F19 H - PN05F86, PN10F86 I - PN10F21 J - PSB2 K - PSB1 L - PSB3 M- PDB1CM, PDB1S2, PDB2TJ, PDB2CM, PDB2S2, PDB4TJ, PBB2S2, PBB4TJ N - PN153R

	Eclipse Series Racew	ay Wire Fill	Capacit	ies foi	Comm	nunicat	ions		
	CABLE/WIRE SIZE	O.D. Inches	(mm)	PN 20%*	03L 40%**	PN: 20%*	05L 40%**	PN 20%*	10L 40%**
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	0.190 0.210 0.250 0.351	(4.8) (5.3) (6.3) (9.0)	1 1 0 0	3 2 1 0	3 2 1 0	6 5 3 1	6 5 4 2	13 11 8 4
TELEPHONE	2-pair, 24 AWG 3-pair, 24 AWG 4-pair, 24 AWG 25-pair, 24 AWG	0.140 0.150 0.190 0.410	(3.6) (3.8) (4.8) (10.4)	2 2 1 0	5 4 3 0	5 4 3 0	11 9 6 1	12 11 6 1	25 22 13 3
COAXIAL	RG58/U RG59/U RG62/U RG6/U	0.195 0.242 0.242 0.270	(5.0) (6.1) (6.1) (6.9)	1 0 0 0	2 1 1 1	2 1 1 1	5 3 3 3	6 4 4 3	13 8 8 6
TWINAXIAL	100 Ohm	0.330	(8.4)	0	1	1	2	2	4
SHIELDED TWISTED PAIR	TYPE 1 TYPE 2 TYPE 3	0.390 0.465 0.245	(9.9) (11.8) (6.2)	0 0 0	0 0 1	0 0 1	1 1 3	1 1 4	3 2 8
FIBER	Mini Zip Cord Zip Cord Round 4 Strand Fiber Round 6 Strand Fiber	0.079 x 0.157 0.118 x 0.236 0.187 0.256	(2 x 4) (3 x 6) (4.8) (6.5)	3 1 1 0	7 3 3 1	7 3 3 1	14 6 6 3	15 7 7 3	31 14 14 7

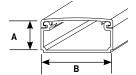
^{* 20%} cable fill is calculated to approximate reduction in cable capacity due to connectors mounted within raceway and fittings that may restrict cross sectional area.

^{** 40%} cable fill is the maximum designed cable fill based on a proposed revision to TIA/EIA 569-A.

Eclipse	Series F	Raceway	Wire Fill C	apacities for	Power
WIRE SIZE	0.	D.	NUN	MBER OF CONDUCT	ORS
THHN/THWN	Inches	(mm)	PN03	PN05	PN10
14 AWG	0.111	(2.8)	8	16	22
12 AWG	0.130	(3.3)	7	14	20
10 AWG	0.164	(4.2)	0	0	19

Eclipse Series PN03, PN05, and PN10 Raceway Profiles Catalog No./Item Description/Specifications PN03L08* One-Piece Raceway - Co-extruded hinged, one-piece raceway.

PN03L08* PN03L10** PN05L08* PN05L10** PN10L08* PN10L10**



Cat No.		A		В
PN03L08	1/2"	(12.7mm)	13/16"	(20.6mm)
PN03L10	1/2"	(12.7mm)	13/16"	(20.6mm)
PN05L08	5/8"	(15.9mm)	1 1/8"	(29mm)
PN05L10	5/8"	(15.9mm)	1 1/8"	(29mm)
PN10L08	13/16"	(20.6mm)	1 11/16"	(43mm)
PN10L10	13/16"	(20.6mm)	1 11/16"	(43mm)

- * Add -"WH" suffix for White finish, -"FW" for Fog White finish, or -"V" for Ivory finish.
- ** 10' (3.05m) lengths available in Fog White finish only.



Download this product's PEP ecopasport® 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.

Eclipse Series PN03, PN05, and PN10 Catalog No./Item **Description/Specifications** PN03F06 Cover Clip - Covers seam where PN05F06 two lengths of PN03, PN05, or PN10F06 PN10 Series Raceway meet. Cat No. PN03F06 (25mm) PN05F06 (25mm) PN10F06 PN03F11 90° Flat Elbow - Makes right PN05F11 angle turns on same surface. PN10F11 1" (25mm) bend radius. Cat No. Α PN03F11 2 11/16" (68mm) 2 15/16" PN05F11 (75mm) PN10F11 3 11/16" (94mm) PN03F15 Tee - Branches raceway at right PN05F15 angles on the same surface. PN10F15 1" (25mm) bend radius. Cat No. PN03F15 2 11/16" (68mm) 4 5/16" (110mm) 2 15/16" (75mm) 4 3/4" (121mm) PN05F15 PN10F15 3 11/16" (94mm) 5 5/16" (135mm) NOTE: Add -"WH" suffix for White finish, -"FW" for Fog White finish,

NOTE: Add -"WH" suffix for White finish, -"FW" for Fog White finish, or -"V" for Ivory finish.

Catalog No./Item	Description	n/Specific	cations		
PN03F17 PN05F17 PN10F17	Internal Elbow – Makes right ang turns around internal corners. 1" (25mm) bend radius.				
A	Cat No.	Α			
	PN03F17 PN05F17 PN10F17	2 1/8" (54	4mm) 4mm) 4mm)		
N05F18	External E				
PN03F18 PN05F18 PN10F18	External E right angle external co	turns arou			
PN05F18	right angle	turns arou			
PN05F18	right angle external co	turns arou orners. A 1 5/8"			
PN05F18	right angle external co	turns arou orners. A 1 5/8"	(41mm)		
PN05F18	right angle external co	1 5/8" 1 5/8" 1 5/8"	(41mm) (41mm) (41mm) (41mm)		

PN03F19

PN05F19

PN10F19

3 1/8"

3 1/8"

(79mm)

(79mm)

3 3/8" (116mm)

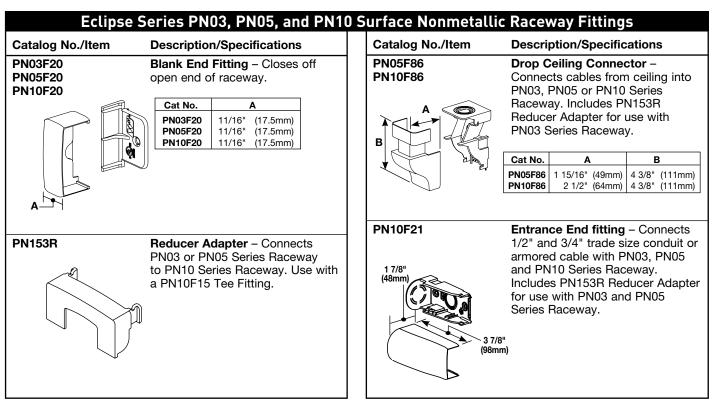
15/16" (23.8mm)

(30mm)

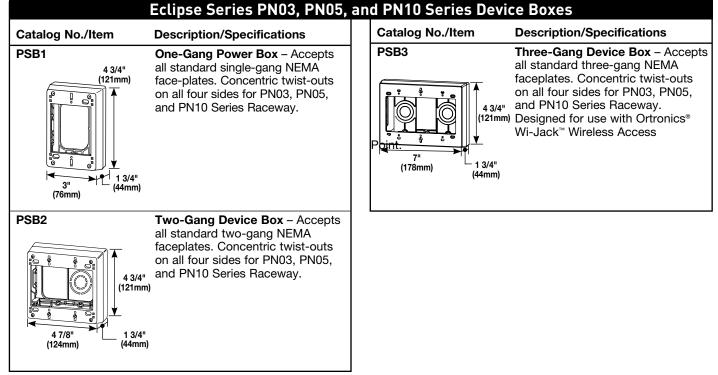
(30mm)

1 3/16"

1 3/16"



NOTE: Add -"WH" suffix for White finish, -"FW" for Fog White finish, or -"V" for Ivory finish.



NOTE: Add -"WH" suffix for White finish, -"FW" for Fog White finish, or -"V" for Ivory finish.

Eclipse Series PN03, PN05, and PN10 Communication Boxes

Catalog No./Item

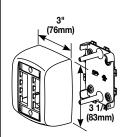
Description/Specifications

PBB2S2



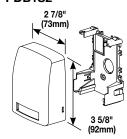
Bezel Box – Surface mount box for use with Eclipse Series Raceway or standalone application.
Accepts two front-loaded outward facing devices including Ortronics® Series II devices

PBB4TJ



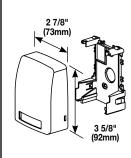
Bezel Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts four front-loaded outward facing devices including Ortronics® TracJack devices.

PDB1S2



Small Data Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts one front-loaded downward facing device including Ortronics® Series II devices.

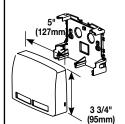
PDB1CM



Small Data Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts one front-loaded downward facing device including Pass & Seymour® Activate Series inserts and Wiremold Open System communication modules.

Catalog No./Item

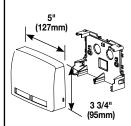
PDB2CM



Description/Specifications

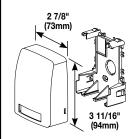
Large Data Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts two front-loaded downward facing devices including Pass & Seymour® Activate Series inserts and Wiremold Open System communication modules.

PDB2S2



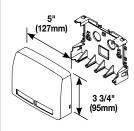
Large Data Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts two front-loaded downward facing devices including Ortronics® Series II devices.

PDB2TJ



Small Data Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts two front-loaded downward facing devices including Ortronics® TracJack devices.

PDB4TJ



Large Data Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts four front-loaded downward facing devices including Ortronics® TracJack devices.

NOTE: Add -"WH" suffix for White finish, -"FW" for Fog White finish, or -"V" for Ivory finish.

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Electrical Wiring Systems

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Eclipse™ Series Raceways

Small Nonmetallic Raceway Systems For Communications and Power Applications

Eclipse™ PN03, PN05, and PN10 Series Raceways are single compartment raceways designed for communication or power applications. They are ideal for use in classrooms, offices, and hotel applications, or anywhere a small, low profile raceway is needed.

Eclipse PN03, PN05, and PN10 Series Raceways are specifically designed for the workstation. They accept Ortronics® Series II and TracJack® modules, Pass & Seymour® Activate Series inserts, and Wiremold Open System communication modules.



Eclipse PN05 Series Raceway shown in an office installation.

FEATURES & BENEFITS

- Available in three sizes. PN03, PN05, and PN10 provide flexibility for meeting various capacity requirements. Perfect for most small drops and horizontal runs to work stations.
- Durable, flexible co-extruded hinge construction (on latching profiles). Allows for repeated openings and closings while maintaining product integrity and aesthetics.
- Snap-on latching cover. Provides security with access to wiring for changes or additions.
- Three standard colors. Stock colors are ivory, white, and fog white (matches with Ortronics® White). Consult factory for custom colors. Paintable using latex paint.
- 1" (25mm) bend radius compliant fittings. Full capacity, aesthetically pleasing fittings provide 1" (25mm) bend radius.
- Adhesive backing for low-voltage (under 50V) applications. Allows base to be pressed onto surface, speeds installation.
- Lightweight and easy to handle. Saves time and labor costs. Standard 8' (2.44m) lengths can be installed by one person.
- Designed for use with Ortronics® TracJack and Series II modules. A wide variety of media interface inserts to ensure a reliable, cost-effective activation for the most demanding communication system designs.
- PSB3 Device Box accommodates wireless. Designed for use with Ortronics® Wi-Jack™ Wireless Access Points.

- Accommodates communication or power wiring. Can be used for communications, computer lines, surveillance systems, fire alarms, outlets, and more.
- Easy to align. All base and fittings have unique alignment guides built in to help avoid unsightly gaps and uneven installations. All fitting covers have 1/4" (6.4mm) overlap to hide uneven cuts of raceway.
- Ceiling fitting slips over suspended ceiling grid. Saves time and labor by eliminating need to cut metal ceiling grid.
- FT-4 Flame Spread Rating. Eclipse™ Raceway meets the definition of "resistant to the spread of fire" in Article 760 of the NEC and is therefore suitable for use with Type NPLF non-power-limited fire alarm cable and Type FPL powerlimited fire alarm cable.
- Datacom connectivity options. Accepts industry standard and proprietary devices from a wide range of manufacturers to provide a seamless and aesthetically pleasing communications interface at the point of use.
- Ratings: 600VAC, FT-4 Rated for Canada
- UL and cUL Listed component raceways. File E90378 Guide RJTX, Fittings: File E90377 Guide RJYT. Meets Article 386 of NEC and meets Section 12-1600 of CEC.





Eclipse Raceways shown in typical installations.

Eclipse Series PN03, PN05, and PN10 System Layout A - PN03L08, PN03L10, PN05L08, PN05L10, PN10L08, PN10L10 B - PN03F06, PN05F06, PN10F06 C - PN03F11, PN05F11, PN10F11 D - PN03F15, PN05F15, PN10F15 E - PN03F17, PN05F17, PN10F17 F - PN03F18, PN05F18, PN10F18 G - PN03F19, PN05F19, PN10F19 H - PN05F86, PN10F86 I - PN10F21 J - PSB2 K - PSB1 L - PSB3 M- PDB1CM, PDB1S2, PDB2TJ, PDB2CM, PDB2S2, PDB4TJ, PBB2S2, PBB4TJ N - PN153R

	Eclipse Series Racew	ay Wire Fill	Capacit	ies foi	Comm	nunicat	ions		
	CABLE/WIRE SIZE	O.D. Inches	(mm)	PN 20%*	03L 40%**	PN: 20%*	05L 40%**	PN 20%*	10L 40%**
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	0.190 0.210 0.250 0.351	(4.8) (5.3) (6.3) (9.0)	1 1 0 0	3 2 1 0	3 2 1 0	6 5 3 1	6 5 4 2	13 11 8 4
TELEPHONE	2-pair, 24 AWG 3-pair, 24 AWG 4-pair, 24 AWG 25-pair, 24 AWG	0.140 0.150 0.190 0.410	(3.6) (3.8) (4.8) (10.4)	2 2 1 0	5 4 3 0	5 4 3 0	11 9 6 1	12 11 6 1	25 22 13 3
COAXIAL	RG58/U RG59/U RG62/U RG6/U	0.195 0.242 0.242 0.270	(5.0) (6.1) (6.1) (6.9)	1 0 0 0	2 1 1 1	2 1 1 1	5 3 3 3	6 4 4 3	13 8 8 6
TWINAXIAL	100 Ohm	0.330	(8.4)	0	1	1	2	2	4
SHIELDED TWISTED PAIR	TYPE 1 TYPE 2 TYPE 3	0.390 0.465 0.245	(9.9) (11.8) (6.2)	0 0 0	0 0 1	0 0 1	1 1 3	1 1 4	3 2 8
FIBER	Mini Zip Cord Zip Cord Round 4 Strand Fiber Round 6 Strand Fiber	0.079 x 0.157 0.118 x 0.236 0.187 0.256	(2 x 4) (3 x 6) (4.8) (6.5)	3 1 1 0	7 3 3 1	7 3 3 1	14 6 6 3	15 7 7 3	31 14 14 7

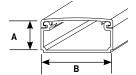
^{* 20%} cable fill is calculated to approximate reduction in cable capacity due to connectors mounted within raceway and fittings that may restrict cross sectional area.

^{** 40%} cable fill is the maximum designed cable fill based on a proposed revision to TIA/EIA 569-A.

Eclipse	Series F	Raceway	Wire Fill C	apacities for	Power
WIRE SIZE	0.	D.	NUN	MBER OF CONDUCT	ORS
THHN/THWN	Inches	(mm)	PN03	PN05	PN10
14 AWG	0.111	(2.8)	8	16	22
12 AWG	0.130	(3.3)	7	14	20
10 AWG	0.164	(4.2)	0	0	19

Eclipse Series PN03, PN05, and PN10 Raceway Profiles Catalog No./Item Description/Specifications PN03L08* One-Piece Raceway - Co-extruded hinged, one-piece raceway.

PN03L08* PN03L10** PN05L08* PN05L10** PN10L08* PN10L10**



Cat No.		A		В
PN03L08	1/2"	(12.7mm)	13/16"	(20.6mm)
PN03L10	1/2"	(12.7mm)	13/16"	(20.6mm)
PN05L08	5/8"	(15.9mm)	1 1/8"	(29mm)
PN05L10	5/8"	(15.9mm)	1 1/8"	(29mm)
PN10L08	13/16"	(20.6mm)	1 11/16"	(43mm)
PN10L10	13/16"	(20.6mm)	1 11/16"	(43mm)

- * Add -"WH" suffix for White finish, -"FW" for Fog White finish, or -"V" for Ivory finish.
- ** 10' (3.05m) lengths available in Fog White finish only.



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Eclipse Series PN03, PN05, and PN10 Catalog No./Item **Description/Specifications** PN03F06 Cover Clip - Covers seam where PN05F06 two lengths of PN03, PN05, or PN10F06 PN10 Series Raceway meet. Cat No. PN03F06 (25mm) PN05F06 (25mm) PN10F06 PN03F11 90° Flat Elbow - Makes right PN05F11 angle turns on same surface. PN10F11 1" (25mm) bend radius. Cat No. Α PN03F11 2 11/16" (68mm) 2 15/16" PN05F11 (75mm) PN10F11 3 11/16" (94mm) PN03F15 Tee - Branches raceway at right PN05F15 angles on the same surface. PN10F15 1" (25mm) bend radius. Cat No. PN03F15 2 11/16" (68mm) 4 5/16" (110mm) 2 15/16" (75mm) 4 3/4" (121mm) PN05F15 PN10F15 3 11/16" (94mm) 5 5/16" (135mm) NOTE: Add -"WH" suffix for White finish, -"FW" for Fog White finish,

NOTE: Add -"WH" suffix for White finish, -"FW" for Fog White finish, or -"V" for Ivory finish.

Catalog No./Item	Description	n/Specific	cations		
PN03F17 PN05F17 PN10F17	Internal Elbow – Makes right ang turns around internal corners. 1" (25mm) bend radius.				
A	Cat No.	Α			
	PN03F17 PN05F17 PN10F17	2 1/8" (54	4mm) 4mm) 4mm)		
N05F18	External E				
PN03F18 PN05F18 PN10F18	External E right angle external co	turns arou			
PN05F18	right angle	turns arou			
PN05F18	right angle external co	turns arou orners. A 1 5/8"			
PN05F18	right angle external co	turns arou orners. A 1 5/8"	(41mm)		
PN05F18	right angle external co	1 5/8" 1 5/8" 1 5/8"	(41mm) (41mm) (41mm) (41mm)		

PN03F19

PN05F19

PN10F19

3 1/8"

3 1/8"

(79mm)

(79mm)

3 3/8" (116mm)

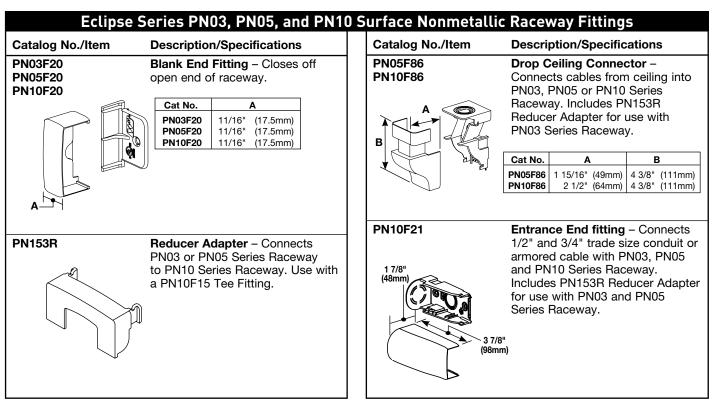
15/16" (23.8mm)

(30mm)

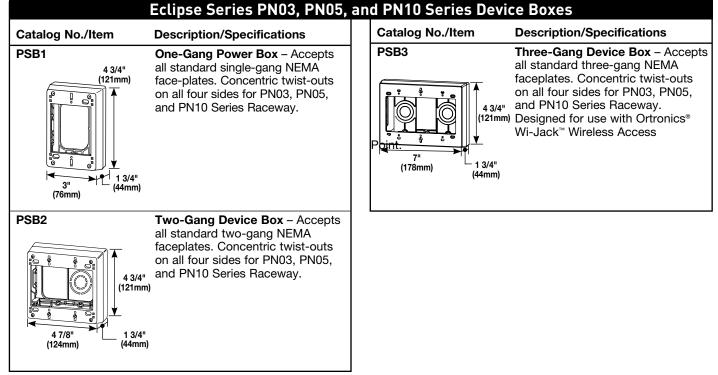
(30mm)

1 3/16"

1 3/16"



NOTE: Add -"WH" suffix for White finish, -"FW" for Fog White finish, or -"V" for Ivory finish.



NOTE: Add -"WH" suffix for White finish, -"FW" for Fog White finish, or -"V" for Ivory finish.

Eclipse Series PN03, PN05, and PN10 Communication Boxes

Catalog No./Item

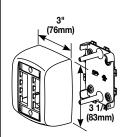
Description/Specifications

PBB2S2



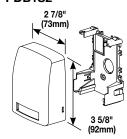
Bezel Box – Surface mount box for use with Eclipse Series Raceway or standalone application.
Accepts two front-loaded outward facing devices including Ortronics® Series II devices

PBB4TJ



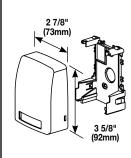
Bezel Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts four front-loaded outward facing devices including Ortronics® TracJack devices.

PDB1S2



Small Data Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts one front-loaded downward facing device including Ortronics® Series II devices.

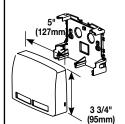
PDB1CM



Small Data Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts one front-loaded downward facing device including Pass & Seymour® Activate Series inserts and Wiremold Open System communication modules.

Catalog No./Item

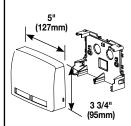
PDB2CM



Description/Specifications

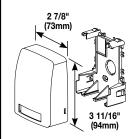
Large Data Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts two front-loaded downward facing devices including Pass & Seymour® Activate Series inserts and Wiremold Open System communication modules.

PDB2S2



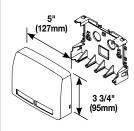
Large Data Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts two front-loaded downward facing devices including Ortronics® Series II devices.

PDB2TJ



Small Data Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts two front-loaded downward facing devices including Ortronics® TracJack devices.

PDB4TJ



Large Data Box – Surface mount box for use with Eclipse Series Raceway or standalone application. Accepts four front-loaded downward facing devices including Ortronics® TracJack devices.

NOTE: Add -"WH" suffix for White finish, -"FW" for Fog White finish, or -"V" for Ivory finish.

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