

# WIREMOLD®

## Nonmetallic Fire Classified Floor Boxes

### Floor Boxes That Restore & Maintain Floor Fire Ratings

**Legrand®** takes Wiremold Nonmetallic Floor Boxes to the next level with the introduction of the cost effective flush style floor box models that meet or exceed UL Fire Classification requirements. These floor boxes preserve the two-hour fire rating of floors in which they have been installed and are a favored industry solution for getting power, communication, and audio video services into open spaces. These new boxes also accept existing cover plate and service fitting offerings.

When properly installed, these Fire Classified Floor Boxes save time and money for general contractors and installers by eliminating the need for spraying to fireproof floors. They also eliminate the guesswork for inspectors and provide reassurance for building owners and property managers by meeting or exceeding the UL Fire Classification Standards for Floor Boxes.



Nonmetallic Fire Classified Floor Boxes maintain a two-hour fire rating and are available in both round and rectangular configurations.



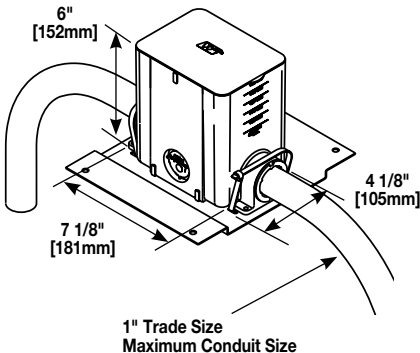
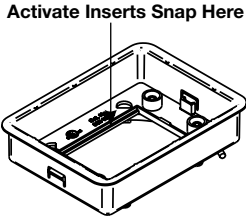
#### FEATURES & BENEFITS

- **Maintains fire classification of fire rated floors.** Fire rated floor boxes preserve up to a two-hour fire rating for floors in which they are installed. Eliminates the need to install additional fireproofing to underfloor surfaces to restore the floor's fire rating.
- **UL Listed and UL Fire Classified to U.S. and Canadian safety standards for tile and terrazzo.** Standard fire rating provides peace of mind for building owners, general contractors, installers, and inspectors that building floors will meet safety guidelines for occupants. Includes the UL requirements under UL514A and UL514C for the scrub water exclusions test for carpet, tile and wood floors and UL263 for fire rating.
- **Post pour adjustable boxes.** Each floor box model is adjustable after the concrete pour. Adjustability reduces installation errors and reduces labor and installation costs by adapting to various pour depths and conditions.
- **Triple service.** Accommodates power, communication and/or audio/video devices reducing the need for multiple boxes.
- **Accepts existing covers.** Allows for a consistent aesthetic finish.
- **TopGuard Protection.** Integral design components that prevent water, dirt and debris from entering power and communication compartments. Whenever you see the TopGuard protection icon on any Wiremold product, you'll know it meets and exceeds UL scrub water exclusion requirements for tile, wood covered, polished concrete, terrazzo and carpet floors.
- **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. A wide selection of data and adapter options are available for use with Ortronics® TracJack and Series II devices.

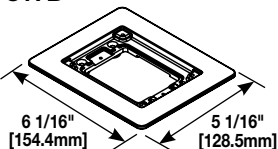
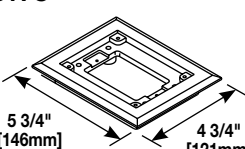


Protection from water, dirt, and debris.

## Fire Classified 880MP Floor Box Ordering Information

Catalog No./Item	Description/Specifications
<b>880MPFC</b> 	<p><b>Fire Classified Nonmetallic Rectangular Floor Box</b> – Box comes complete with reusable mudcap, insert spacer, conduit plugs and reducers. Reducers provided for reduction from 1" to 3/4" and 1/2" [25mm, 19.1mm, and 12.7mm] conduit. Minimum concrete depth is 3 1/2" [89mm] and maximum concrete depth is 6" [152mm]. Minimum capacity is 50 cu. in. [819ml] and maximum capacity is 100 cu. in. [1639ml]. Box dimensions are 4 1/8" W x 5 1/2" L x 6H" [105mm x 140mm x 152mm].</p> <p><b>Country of Origin: USA</b></p> <p><b>NOTES:</b> Insert spacer should not be removed until after concrete pour.  880MPFC is a single gang offering. Can not gang boxes together and maintain Fire Classification.  Floor Box spacing 2' on center and one for every 65 square foot in a span.  Maximum Copper Cross Section per Insert: Four (4) #12 AWG Type THHN Power Conductor or 48 #23 AWG (6 Cat. 6) Tele Data conductors.</p>
<b>880MPA</b> 	<p><b>Nonmetallic Floor Box Adjusting Ring</b> – Comes with fiber storage loop. Also includes brass inserts for flange connection and green ground wire for ground connection. Wiremold CM Series Open System Modules snap directly into the adjusting ring without the need for an adapter. Also includes mounting screws to attach flange to box body. Ortronics connectivity inserts do not snap directly into the adjusting ring. For Ortronics inserts use the 828GFITC or 829PFLRT.</p> <p><b>Country of Origin: USA</b></p> <p><b>NOTE:</b> One 880MPA is needed for each 880MPFC used.</p>

## 880MP Series Floor Boxes Solid Brass Cover Plate Flanges Ordering Information

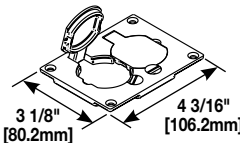
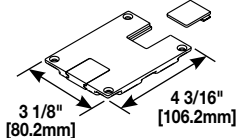
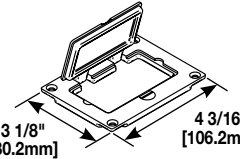
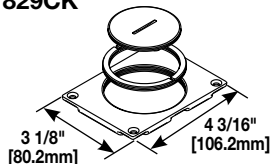
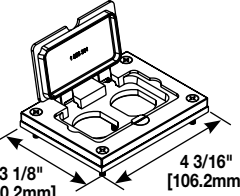
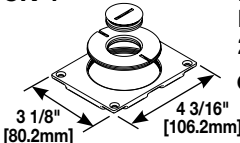
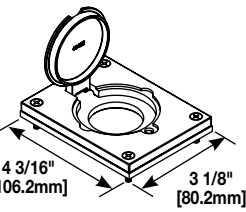
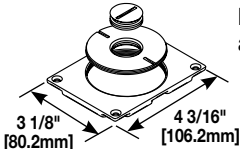
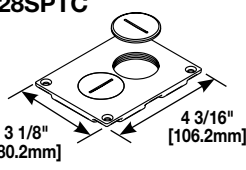
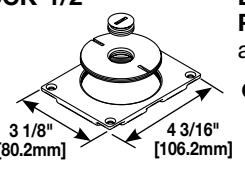
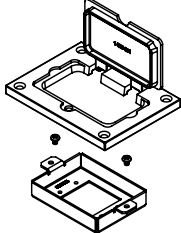
Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
<b>817B</b> 	<p><b>One-Gang Brass Combination Carpet &amp; Tile Flange</b> – Accepts Ortronics® MAB6TJ TracJack and MAB3S2 Series II adapters and Wiremold CM Series inserts, sold separately.</p> <p><b>Country of Origin: China</b></p>	<b>817C</b> 	<p><b>One-Gang Brass Carpet Flange</b> – For use on 880S1, 880M1, 880CS1-1, and 880CM1-1 Floor Boxes.</p> <p><b>Country of Origin: China</b></p>

**NOTE:** UL Listed for terrazzo, polished concrete, wood, tile, and carpet covered concrete floors.  
Brass covers and flanges are not interchangeable with aluminum or nonmetallic covers and flanges. Nonmetallic covers are interchangeable with aluminum flanges.

All cover assemblies for the 880MPFC Series Floor Box have TopGuard protection.



## 880MP Series Floor Boxes Metal Cover Plates Ordering Information

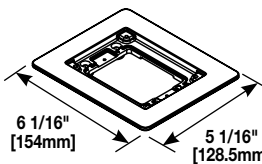
Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
<b>828R</b>  <p><b>Brass Duplex Cover Plate</b> – Flip lids. Can also be used with a 106 type communication adapter.</p> <p><b>Country of Origin: China</b></p>		<b>829STC</b>  <p><b>Brass Communication Cover Plate</b> – Data slides. Feed through only, not for use with a mounting plate for communication jacks.</p> <p><b>Country of Origin: China</b></p>	
<b>828GFITC</b>  <p><b>Brass GFI Cover Plate</b> – May be used with Activate and Ortronics® Connectivity Systems in conjunction with 817B, 827B, and 837B Flanges.</p> <p><b>Country of Origin: China</b></p>		<b>829CK</b>  <p><b>Brass Communication Cover Plate</b> – 2 5/8" and 2 1/4" [67mm and 57mm] plugs.</p> <p><b>Country of Origin: China</b></p>	
<b>828DPGFITC</b>  <p><b>Brass Rectangular Cover Plate</b> – Allows for mounting of a duplex style receptacle with a rectangular style flip lid cover.</p> <p><b>Country of Origin: China</b></p>		<b>829CK-1</b>  <p><b>Brass Communication Cover Plate</b> – 2 5/8" and 1" [67mm and 25mm] plugs.</p> <p><b>Country of Origin: China</b></p>	
<b>828DLR</b>  <p><b>Brass Single Locking Receptacle Cover Plate</b> – Single flip lid cover for 20A or 30A single locking receptacles. Device opening is 2 5/8" [67mm]. For use with maximum female locking device of 1.58" diameter, and maximum male plug face of 2.25" diameter.</p> <p><b>Country of Origin: China</b></p>		<b>829CK-3/4</b>  <p><b>Brass Communication Cover Plate</b> – 2 5/8" and 3/4" [67mm and 19.1mm] plugs.</p> <p><b>Country of Origin: China</b></p>	
<b>828SPTC</b>  <p><b>Brass Duplex Cover Plate</b> – Screw plugs. Screw plugs are 1 1/2" [38mm] in diameter.</p> <p><b>Country of Origin: China</b></p>		<b>829CK-1/2</b>  <p><b>Brass Communication Cover Plate</b> – 2 5/8" and 1/2" [67mm and 12.7mm] plugs.</p> <p><b>Country of Origin: China</b></p>	
		<b>828MAAP</b>  <p><b>A/V Adapter Plate</b> – Sheet metal adapter plate that accepts two (2) Legrand AVIP device plates or Extron® Electronics MAAP style device plates (sold separately). For use with 828GFITC or 828GFITCAL cover plates. (Sold separately.)</p> <p><b>Country of Origin: USA</b></p>	

**NOTE:** UL Listed for terrazzo, polished concrete, wood, tile, and carpet covered concrete floors.  
 Brass covers and flanges are not interchangeable with aluminum or nonmetallic covers and flanges. Nonmetallic covers are interchangeable with aluminum flanges.

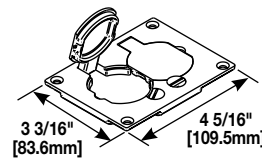
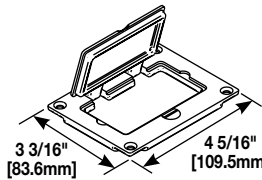
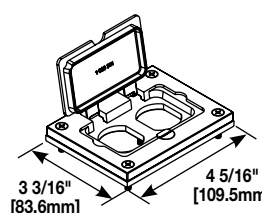
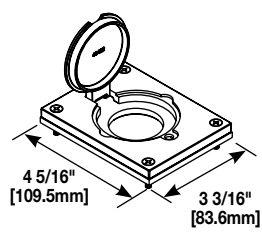
All cover assemblies for the 880MPFC Series Floor Box have TopGuard protection.

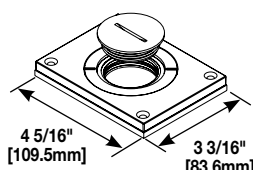
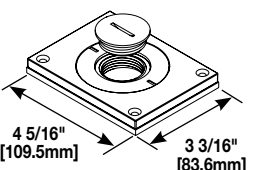
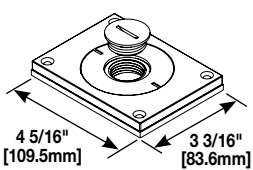


## 880MP Series Floor Boxes Brushed Aluminum Cover Plate Flanges Ordering Information

Catalog No./Item	Description/Specifications
<b>818TCAL</b> 	<b>One-Gang Brushed Aluminum Combination Carpet and Tile Flange</b> – Accepts Ortronics® MAB6TJ TracJack and MAB3S2 Series II adapters and Wiremold CM Series inserts, sold separately. <b>Country of Origin: China</b> <b>NOTE:</b> Brushed aluminum flanges come with beveled edges.

## 880MP Series Floor Boxes Metal Cover Plates Ordering Information

Catalog No./Item	Description/Specifications
<b>828R-TCAL</b> 	<b>Brushed Aluminum Duplex Cover Plate</b> – Flip lids. Can also be used with a 106 type communication adapter. <b>Country of Origin: China</b>
<b>828GFITCAL</b> 	<b>Brushed Aluminum GFI Cover Plate</b> – May be used with Activate and Ortronics® Connectivity Systems in conjunction with 817B, 827B, and 837B Flanges. <b>Country of Origin: China</b>
<b>828DPGFITCAL</b> 	<b>Brushed Aluminum Rectangular Cover Plate</b> – Allows for mounting of a duplex style receptacle with a rectangular style flip lid cover. <b>Country of Origin: China</b>
<b>828DLRAL</b> 	<b>Brushed Aluminum Single Locking Receptacle Cover Plate</b> – Single flip lid cover for 20A or 30A single locking receptacles. Device opening is 2 5/8" [67mm]. For use with maximum female locking device of 1.58" diameter, and maximum male plug face of 2.25" diameter <b>Country of Origin: China</b>

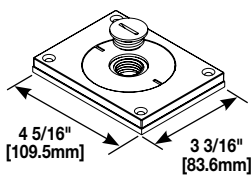
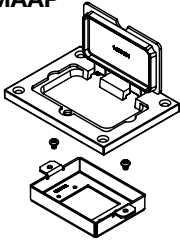
Catalog No./Item	Description/Specifications
<b>830CKTCAL</b> 	<b>Brushed Aluminum Cover Plate</b> – Power or communication plate with 2" [51mm] and 1 1/4" [32mm] plugs. <b>Country of Origin: China</b> <b>NOTE:</b> Acceptable for use with threaded conduit when passing through power cables.
<b>830CKTCAL-1</b> 	<b>Brushed Aluminum Cover Plate</b> – Power or communication plate with 2" [51mm] and 1" [25mm] plugs. <b>Country of Origin: China</b> <b>NOTE:</b> Acceptable for use with threaded conduit when passing through power cables.
<b>830CKTCAL-3/4</b> 	<b>Brushed Aluminum Cover Plate</b> – Power or communication plate with 2" [51mm] and 3/4" [19.1mm] plugs. <b>Country of Origin: China</b> <b>NOTE:</b> Acceptable for use with threaded conduit when passing through power cables.

**NOTE:** UL Listed for terrazzo, polished concrete, wood, tile, and carpet covered concrete floors.  
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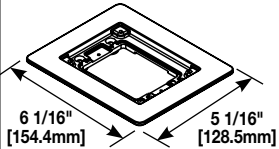
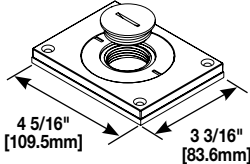
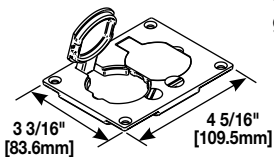
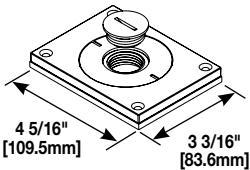
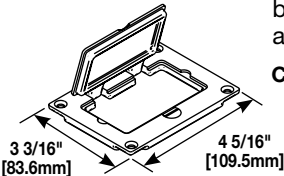
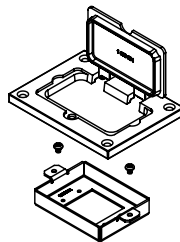
All cover assemblies for the 880MPFC Series Floor Box have TopGuard protection.



## 880MP Series Floor Boxes Metal Cover Plates Ordering Information (continued)

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
<b>830CKTCAL-1/2</b> 	<b>Brushed Aluminum Cover Plate</b> – Power or communication plate with 2" [51mm] and 1/2" [12.7mm] plugs.  <b>Country of Origin: China</b>  <b>NOTE:</b> Acceptable for use with threaded conduit when passing through power cables.	<b>828MAAP</b> 	<b>A/V Adapter Plate</b> – Sheet metal adapter plate that accepts two (2) Legrand AVIP device plates or Extron® Electronics MAAP style device plates (sold separately). For use with 828GFITC or 828GFITCAL cover plates. (Sold separately.)  <b>Country of Origin: USA</b>

## 880MP Series Floor Boxes Powder-Coated Aluminum Cover Plate Flanges Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
<b>817TCAL-BK</b> <b>817TCAL-GY</b> <b>817TCAL-BS</b> <b>817TCAL-NK</b> <b>817TCAL-BZ</b> 	<b>One-Gang Powder-Coated Aluminum Combination Carpet and Tile Flange</b> – Accepts Ortronics® MAB6TJ TracJack and MAB3S2 Series II adapters and Wiremold CM Series inserts, sold separately. Flanges are available in five decorative colors: black, gray, brass, nickel, and bronze.  <b>Country of Origin: USA</b>	<b>829CKAL-1BK</b> <b>829CKAL-1GY</b> <b>829CKAL-1BS</b> <b>829CKAL-1NK</b> <b>829CKAL-1BZ</b> 	<b>Powder-Coated Aluminum Cover Plate</b> – Power or communication plate with 2" [51mm] and 1" [25mm] plugs. Covers are available in five decorative colors: black, gray, brass, nickel, and bronze.  <b>Country of Origin: USA</b>  <b>NOTE:</b> Acceptable for use with threaded conduit when passing through power cables.
<b>828R-TCAL-BK</b> <b>828R-TCAL-GY</b> <b>828R-TCAL-BS</b> <b>828R-TCAL-NK</b> <b>828R-TCAL-BZ</b> 	<b>Powder-Coated Aluminum Duplex Cover Plate</b> – Flip lids. Can also be used with a 106 type communication adapter. Covers are available in five decorative colors: black, gray, brass, nickel, and bronze.  <b>Country of Origin: USA</b>	<b>829CKAL-3/4BK</b> <b>829CKAL-3/4GY</b> <b>829CKAL-3/4BS</b> <b>829CKAL-3/4NK</b> <b>829CKAL-3/4BZ</b> 	<b>Powder-Coated Aluminum Cover Plate</b> – Power or communication plate with 2" [51mm] and 3/4" [19.1mm] plugs. Covers are available in five decorative colors: black, gray, brass, nickel, and bronze.  <b>Country of Origin: USA</b>  <b>NOTE:</b> Acceptable for use with threaded conduit when passing through power cables.
<b>828GFITCAL-BK</b> <b>828GFITCAL-GY</b> <b>828GFITCAL-BS</b> <b>828GFITCAL-NK</b> <b>828GFITCAL-BZ</b> 	<b>Powder-Coated Aluminum Rectangular Cover Plate</b> – Allows for mounting a duplex receptacle (Decorator or GFCI style) with a rectangular flip cover. Covers are available in five decorative colors: black, gray, brass, nickel, and bronze.  <b>Country of Origin: USA</b>	<b>828MAAP</b> 	<b>A/V Adapter Plate</b> – Sheet metal adapter plate that accepts two (2) Legrand AVIP device plates or Extron® Electronics MAAP style device plates (sold separately). For use with 828GFITC or 828GFITCAL cover plates. (Sold separately.)  <b>Country of Origin: USA</b>

**NOTE:** UL Listed for terrazzo, polished concrete, wood, tile, and carpet covered concrete floors.  
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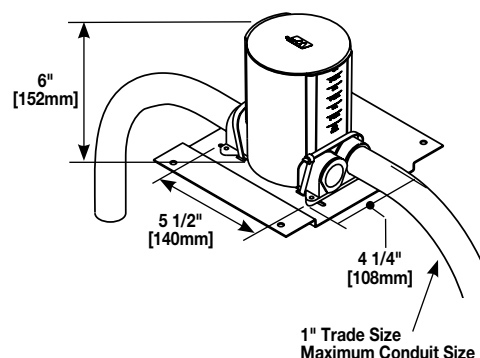


## Fire Classified Ratchet-Pro PVC Floor Box Ordering Information

### Catalog No./Item

### Description/Specifications

#### 881FC

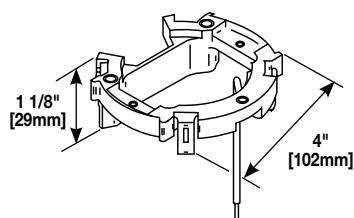


**Round PVC Floor Box** – Supplied with reusable concrete cap, conduit reducers, and conduit hub plugs. Available for single service only. Graduated cubic inch markings inside the box indicate volume capacity at any depth. Box has parallel conduit hubs eliminating the need for 90° sweeps in installation. One-piece reduction from 1" to 1/2" [25mm to 12.7mm] conduit. Reducers and plugs located on a mounting bar for easier selection. For concrete pours of 2 1/4" to 6" [57mm to 152mm]. Includes one 881ADP Adapter Ring.

**Country of Origin: USA**

**NOTES:** Floor Box spacing 2' on center and one for every 65 square foot in a span.  
Maximum Copper Cross Section per Insert: Four (4) #12 AWG Type THHN Power Conductor or 48 #23 AWG (6 Cat. 6) communication conductors.

#### 881ADP



**PVC Floor Box Ratchet Adjusting Ring** – Used to attach wiring devices and cover plates to PVC Box. Locks into place without using glue or mechanical fasteners. Compensates for up to 10° of tilt if box is not level. Ground wire is factory attached to the adjusting ring.

**Country of Origin: USA**

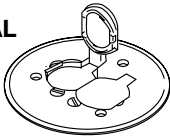
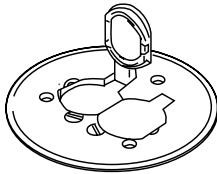
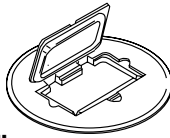
**NOTE:** One ring required per box and is included with the purchase of the 881FC Floor Box.

### Volume Capacities for Ratchet-Pro PVC Floor Box

BOX HEIGHT		Single Service 895 Activation	
In	[mm]	WIRING VOLUME	
		Cu. In	[ml]
6	[152.0]	56.0	[917.0]
5 1/2	[140.0]	49.0	[803.0]
5	[127.0]	42.0	[688.0]
4 1/2	[114.0]	35.0	[574.0]
4	[102.0]	28.0	[459.0]
3 1/2	[89.0]	21.0	[344.0]
3 1/4	[76.0]	17.0	[278.0]

**NOTE:** To calculate total box volume, use the displacement of the largest uncut section remaining.

## Cover Plates for 881FC Floor Box

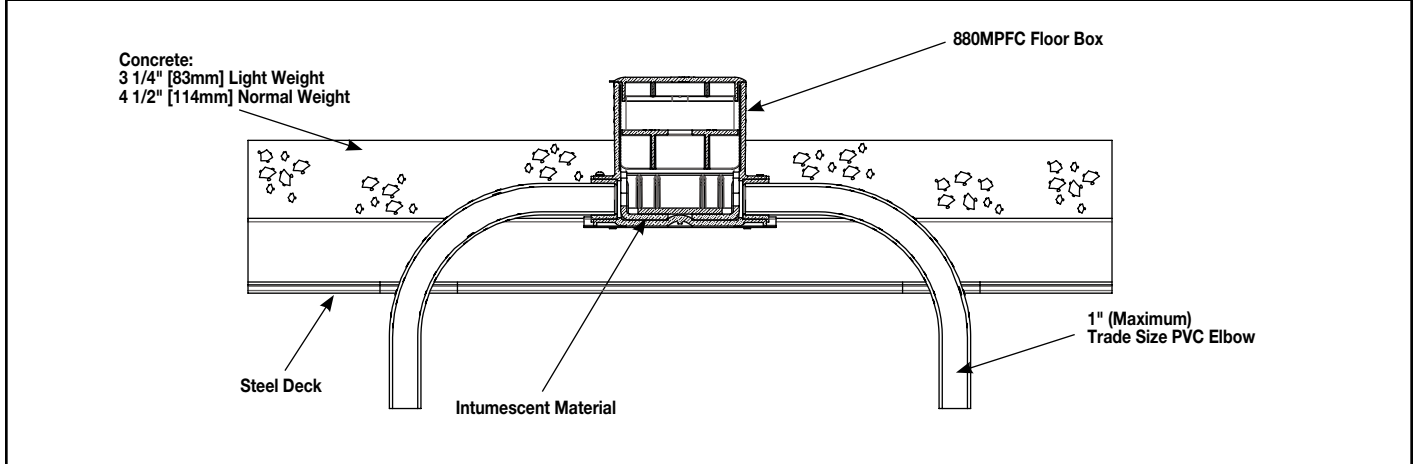
Catalog No./Item	Description/Specifications	Catalog No./Item	Description /Specifications
895 895TCAL	 <b>Brass/Brushed Aluminum Duplex Cover Plate</b> – With flip lids, 5 1/2" [140mm] diameter for carpet. <b>Country of Origin: China</b>	895TCAL-BK 895TCAL-BS 895TCAL-GY 895TCAL-NK 895TCAL-BZ	<b>Aluminum Duplex Power Plate</b> – With flip lids, 5 1/2" [140mm] diameter for carpet. Available in black, brass, gray, nickel, and bronze.  <b>Country of Origin: USA</b>
895T 895TAL	<b>Brass/Brushed Aluminum Duplex Cover Plate</b> – With flip lids, 4 1/4" [108mm] diameter for tile. <b>Country of Origin: China</b>		
895GFI 895GFICAL	 <b>Brass/Brushed Aluminum GFI Receptacle Cover Plate</b> – 5 1/2" [140mm] diameter for carpet. <b>Country of Origin: China</b>		
895TGFI 895TGFIAL	<b>Brass/Brushed Aluminum GFI Receptacle Cover Plate</b> – 4 1/4" [108mm] diameter for tile.  <b>Country of Origin: China</b>		

### CAUTION

Installation must comply with NEC and local code conductor volume requirements. Not for use when concrete is the finished floor. Use only for tile, carpet, or wood covered floors.

- NOTE: 1.** All cover plates are furnished with gasket and three screws.  
**2.** Polycarbonate cover plates cannot be used on the 881FC Fire Classified Floor Box.

## Ratchet-Pro Fire Classified Floor Boxes Installation Cross Section



**NOTE:** UL Listed for terrazzo, polished concrete, wood, tile, and carpet covered concrete floors.

All cover assemblies for the 881FC Series Floor Box have TopGuard protection.



## NOTES



### Electrical Wiring Systems

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

570 Applewood Crescent  
Vaughan, Ontario L4K 4B4  
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