

PEM E 2100-3-4-6-8 LED Ring Lights

SUBMERSIBLE LIGHT FIXTURES WITH CANADIAN ASSEMBLED LED COMPONENTS

UNI-VOLTAGE: 12 VAC, 12 VDC OR 24 VDC



E2100-4 : 20 Degree = 7.5 Watts, each R.G. B. + warm WHITE = DMX - 4 Channel Total 30W

E2100-8
DIRECT-cold WHITE
DIRECT - 30W



E2100-6
DIRECT-warm WHITE
DIRECT - 30W

PEM E 2100 SUBMERSIBLE RING LIGHT FIXTURE for low voltages of 12VAC,12VDC or 24VDC. FIXTURE HOUSING & FACERING:

PEM E2100 Light Fixtures for fresh water in 85-5-5-5 Bronze Casting, #18-8 Stainless Steel fitted.

PEM E2100 Light Fixtures (Marked:SW) for saltwater are available, please enquire.

PEM E2100 Light Fixtures for structural insertion, walk over type spray pads, are available with surface construction of #18-8 Stainless Steel including PEM W 933-WO Spray Plates.

All PEM E2100's, 1 1/2" Pipe size (male NPT/BSPT) can be supplied with sprayplate W933 , to create a coloured spray effect. (Extra & additional). In Brass for E2100, in 18-8 Stainless Steel for others. CLAMP ON, pass through opening for:1 1/2" NPT - BSPT size Pipe Schedule 40 (60mm - 2.44" diameter) LENS made of Optical Clear12mm (0.5") Poly. Carbonate Plastic - LENS GASKET made of EPDM flat rubber LENS CLAMPS & Bolts made of 18-8 Stainless Steel.

CABLE attached to Light Fixture: 9 Feet / 2.7m Standard Length, longer lengths extra.

PEM E 2100 Ring Lights are available as:

PEM E 2100-3 (7.5W-Red,7.5W-Green,7.5W-Blue-Total 22.5W,DMX 3 Channel,5 Conductor Cable)

PEM E 2100-4 (RGBW - DMX, Requires 4 Channel Control)

Red - Green - Blue - White , Each 7.5 Watt. total of 30 Watt

White = warm White, recommended to preserve colour full surroundings.

FIXTURE CABLE: 5 Conductor Type:SOW/SOOW-18-5 Conductor Cable/ H0R7N-F- 5 x 1mm2

PEM E 2100-6

Requires Direct remote Control - NO direct DMX

Warm White - 30 Watt, recommended to preserve colour full surroundings.

FIXTURE CABLE: 3 Conductor Type:SOW/SOOW-16-3 Conductor Cable/ H0R7N-F- 3 x1.5mm2

PEM E 2100-8

Requires Direct remote Control - NO direct DMX

Cold White - 30 Watt, NOT recommended to preserve colour full surroundings.

FIXTURE CABLE: 3 Conductor Type:SOW/SOOW-16-3 Conductor Cable/ H0R7N-F- 3 x 1.5mm2

Do not use Ground / Earth conductor in DC & DMX power supply cable!

NOTE: "For supply connection, use only an isolating low voltage power supply or transformer with ungrounded output".

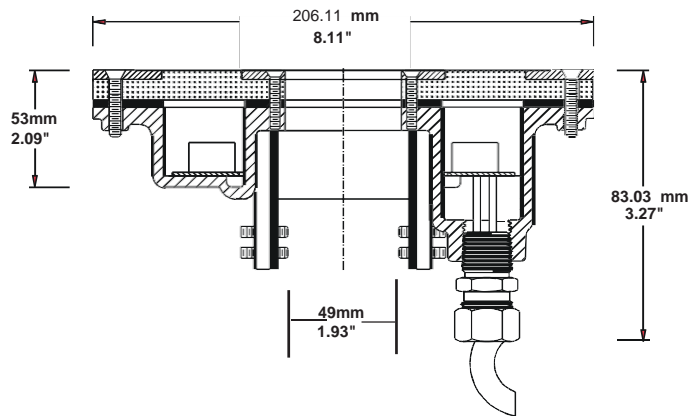
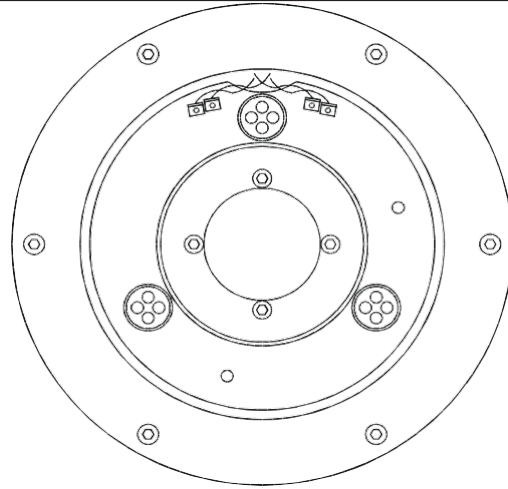
PEM[®]E2100

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PEM^{reg} E2101

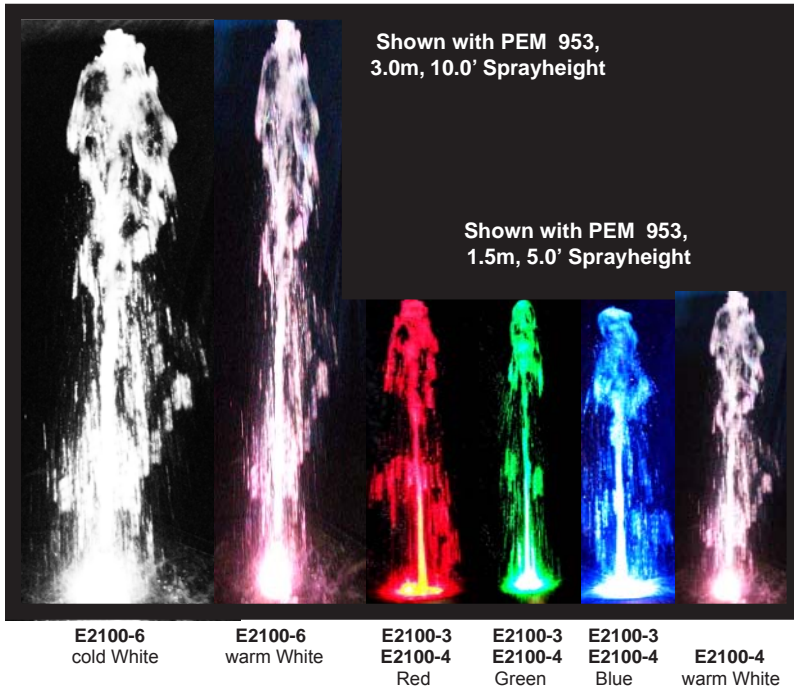
BASIC FIXTURE TYPE: E2101



SUBMERSIBLE LED LIGHT FIXTURES by PEM FOUNTAIN CO.

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Tel: 800-387-3600 - Email: sales@pemfountain.ca - www.pemfountain.ca



PEM

LED RING LIGHTS

- E2100-3-RGB-DMX,22.5W
- E2100-4-RGBW-DMX,30W
- E21006,30w, w.WhiteDirect
- E21006 A,30w, w.WhiteDimming
- E21008 ,30w, c.w.WhiteDimming
- E2100-8 A, 30w, c.w.White-Direct

**10 W warm WHITE
LED RING LIGHT FIXTURES
DIRECT SWITCHING
BY REMOTE CONTROL**

PEM E 2100 - SUBMERSIBLE RING LIGHT FIXTURES for :

Common Voltage of 12 VAC - 12VDC - 24VDC .
FIXTURE COMPONENTS:PEM 2100 RING Light Fixtures are for fresh water in 85-5-5-5 bronze casting, #18-8 Stainless Steel fitted.
 PEM 2100-SW- RING Light Fixtures for saltwater in saltwater bronze, #3-16 Stainless Steel fitted, enquire!
LENS: Optical Clear 12mm (0.5")Poly Carbonate Plastic.
LENS GASKET to fixture body is of flat EPDM Rubber.
LED RING PLATES are included in offered lightfixtures at terms and conditions of sale for 'Lamps'.
MOUNTING OPTIONS: Clamp on to a 1 1/2" Stand Pipe (48mm (1.89") 1 1/2" Brass pipe) with PASS-THROUGH OPENING with triple PIPE CLAMP.
 See page 4 for suggested applications.

FIXTURE TYPES available:

PEM E2100- 3 RING LIGHT

LED Illumination in colour controllable RGB, Red, Blue & Green each 7.5W, total 22.5W by remote DMX - 3 Channel control.
 Lightfixture has 5 electrical conductors (2 for power & 2 for DMX) PEM E2100- 4 RING LIGHT

LED Illumination in colour controllable RGBW, Red, Blue, Green & Warm White, each 7.5W, total 30W by remote DMX- 4 Channel controls.

Lightfixture has 5 electrical conductors (2 for power & 2 for DMX) PEM E2100- 6 RING LIGHT

LED Illumination : Warm White , 30W, for direct ON / OFF switching .
 Lightfixture has 3 electrical conductors.

PEM E2100- 6 A , RING LIGHT

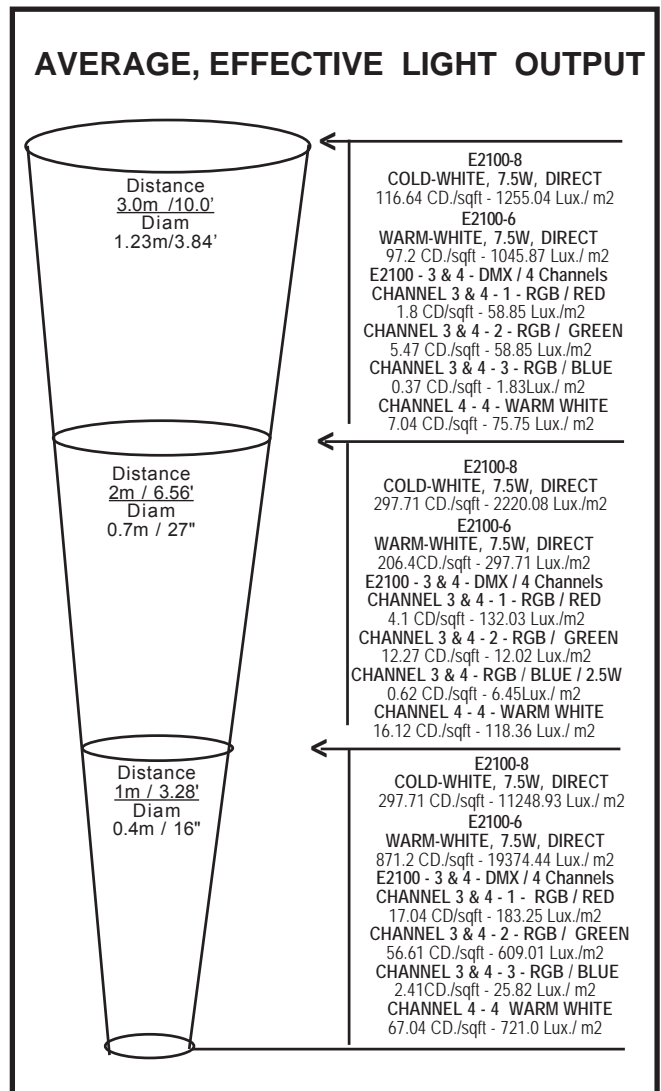
LED Illumination : Warm White , 30W, for DMX Dimming . Lightfixture has 5 electrical conductors.

PEM E2100- 8 RING LIGHT

LED Illumination : Warm White , 30W, for direct ON / OFF switching .
 Lightfixture has 3 electrical conductors.

PEM E2100- 8 A , RING LIGHT

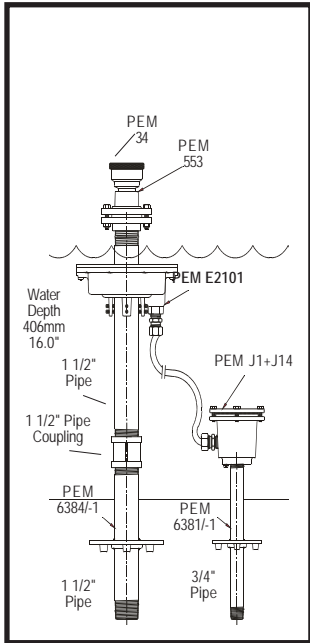
LED Illumination : Warm White , 30W, for DMX Dimming . Lightfixture has 5 electrical conductors.



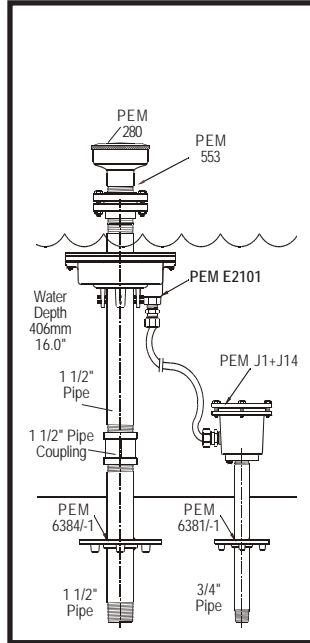
Do not use Ground/Earth conductor in DC & DMX power supply cable!
 See page 8 for PEM electrical cable conductor identification.

SOME PEM_{reg} E2101 APPLICATIONS

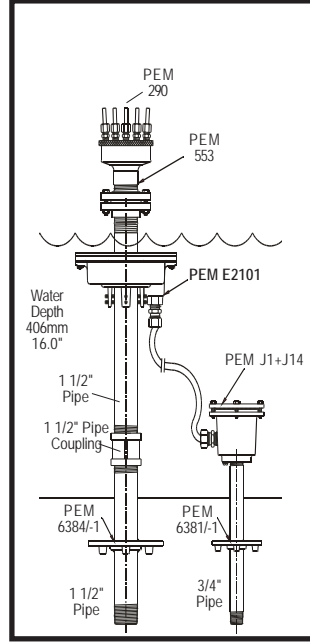
PEM_{reg} 34



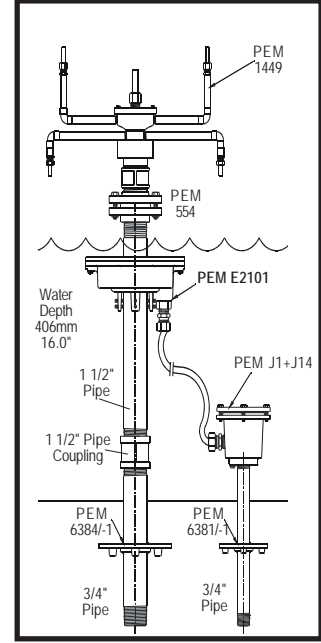
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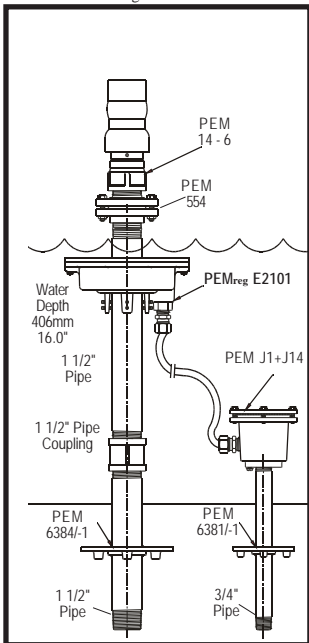
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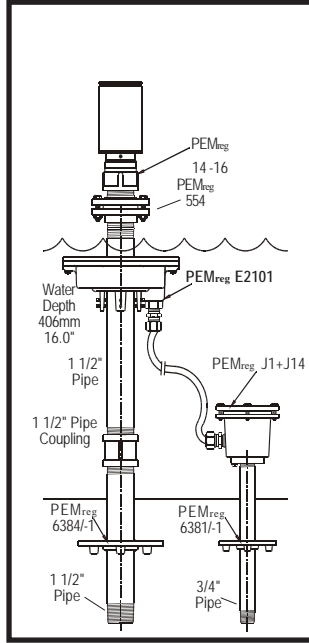
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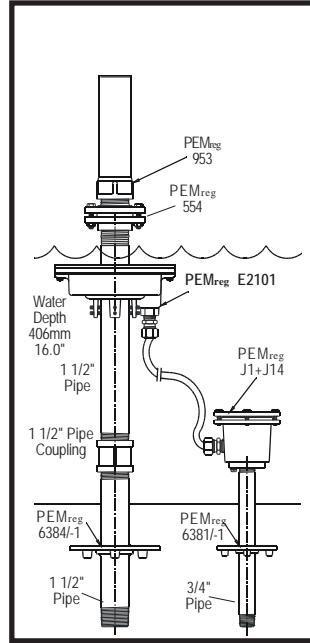
PEM_{reg} 14 - 6



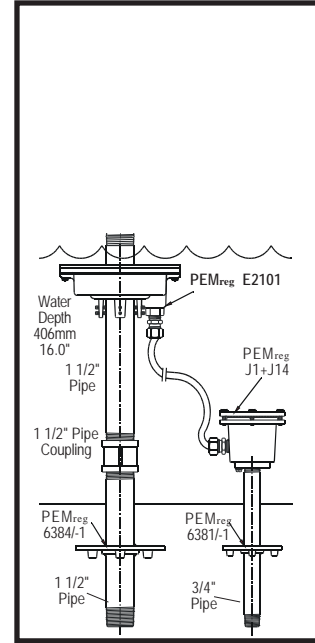
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PEM_{reg} 953



PEM_{reg} 320-45

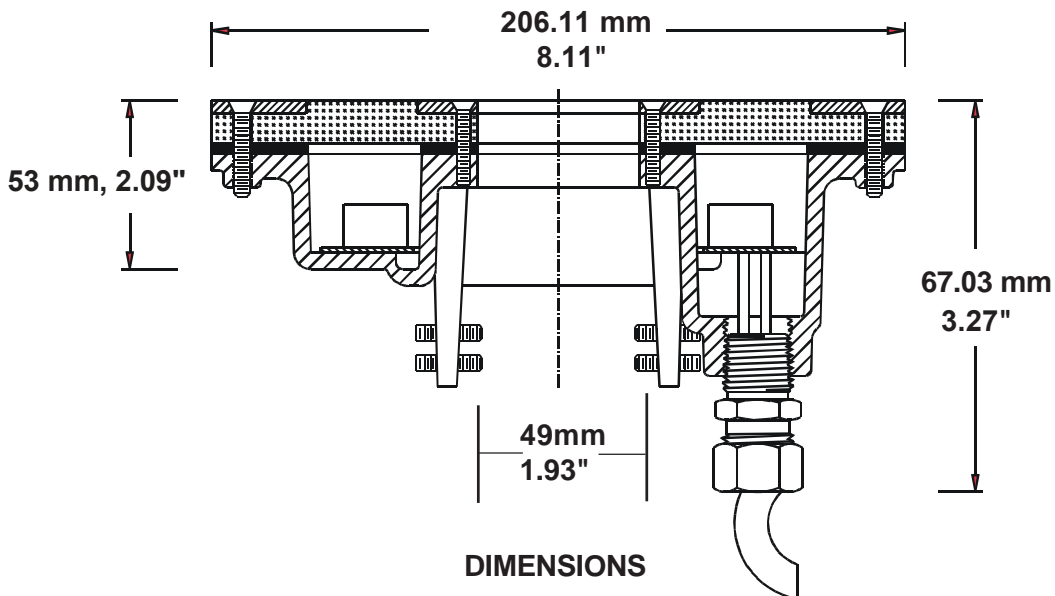
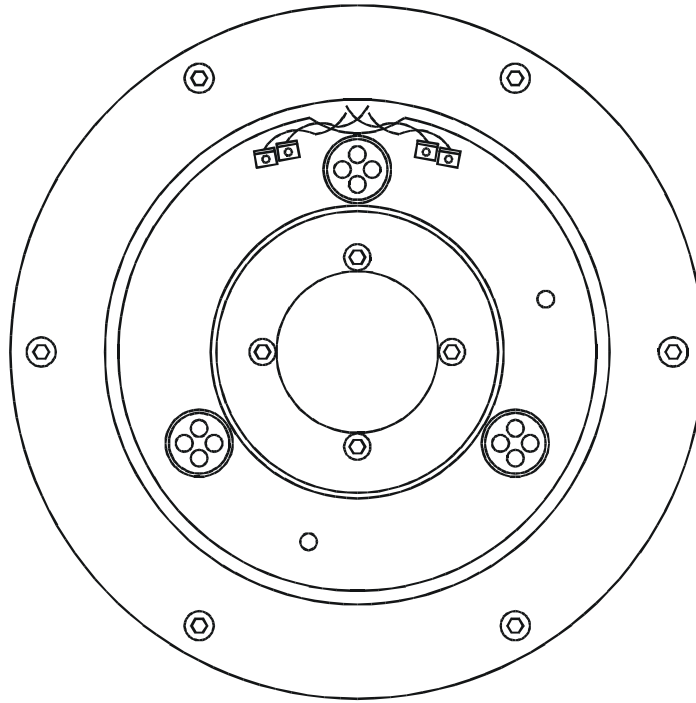


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**SUBMERSIBLE
LED RING LIGHT FIXTURE**

**PEME2101
BASIC FIXTURE
TYPE: E2101**

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SERIAL	PEM ORDER	PEM E2100 RING LIGHTS - 2016 - 09 - 15	W.
		LED plates in this list are uni-voltage 12VAC, 12VDC & 24VDC	
		LED plates in this list have 20 degrees light output, for other outputs - please enquire	
		LED plates in this list are of canadian assembled components	
#	#	Clamps to Stand Pipe, 1 1/2" NPT/BSPT	Kg
E15--21003	E2100-3	For:RGB (7.5W-Red,7.5W-Green7.5W-Blue-Total 22.5W, DMX 3 - 4 Channel, 5 Conductor Cable 12 VAC/12 VDC/24 VDC, DMX , Electrical Cable, 9.0' / 2.7m x 18-5 AWG, H0R7N-F - 4 X 1.5mm2	4.3
E15-21004	E2100-4	For:RGBW (7.5W-Red,7.5W-Green,7.5W-Blue-7.5W Warm White Total 30w, DMX 4 Channel, 5 Conductor Cable 12 VAC/12 VDC/24 VDC, DMX , Electrical Cable, 9.0' / 2.7m x 18-5 AWG, H0R7N-F - 4 X 1.5mm2	4.3
E15-21006	E2100-6	For: Warm White, 30W, No DMX, 3 Conductors Cable 24 VDC, No DMX, Electric Cable SOW, 9.0' / 2.7m x 18-3 AWG, H0R7N-F - 2 x 1.5 mm2	3.8
E15-21006A	E2100-6A	For: Warm White, 30W, DMX, Dimming, 5 Conductor Cable 24 VDC, DMX Parallel, Electrical Cable, 9.0' / 2.7m x 18-5 AWG, H0R7N-F - 4 X 1.5mm2	4.3
E15-21008	E2100-8	For: Cold White,30W, No DMX, 3 Conductor Cable 24 VDC, No DMX, Electric Cable SOW, 9.0' / 2.7m x 18-3 AWG, H0R7N-F - 2 x 1.5 mm2	3.8
E15-21008A	E2100-8A	For: Cold White, 30W ,DMX Dimming, 5 Conductor Cable 24 VDC, DMX Parallel, Electrical Cable, 9.0' / 2.7m x 18-5 AWG, H0R7N-F - 4 X 1.5mm2	4.3
	Add to Above		
	Order #	SPRAY PLATE (Also available custom made at extra cost.)	
E15-21020	E2100-20	IN PIPE INSTALLABLE & REMOVABLE WITH PEM E2500-25 INSERTION KEY WRENCH 9" / 229mm long, 2" Brass Pipe with Coupling (NPT/BSP), with into pipe threaded spray plate with 24 x 0.125"/ 3.0mm orifices in 38.2mm/1.5" Diam. Circle with 5 degree outside drop .	2.7
E15-21025	E2100-25	PEM E2500-25 INSERTION / REMOVE/ CLEANING (2 point) KEY WRENCH	0.3
	Add to Above		
	Order #	Cast Bronze Fixture Additions for other than on stand pipe installation	
E15-2100-231	E2500-231	Narrow Grout Frame Mounting, 242mm - 9.53" OD	3.8
E15-2100-232	E2500-232	Wide Grout Frame Mounting, 292mm - 11.50" OD	4.7
E15-2100-237	E2500-237	Square 279.4mm/11.001" Slab Clamp for 254mm -10.0"Opening in 76.2 mm-3"Concrete Slab	8.9
E15-2100-239	E2500-239	Circular 279.4mm/11.001" Slab Clamp for 254mm -10.0"Opening in 76.2 mm-3"Concrete Slab	8.7
		Please contact PEM Sales Department for recommendations about: Cast Bronze Fixture Additions for other than on stand pipe installation PEM LED Lightfixture Junction or Deck Boxes, In Pool Stand Pipe and PEM Penetration Fittings, All PEM LED Lightfixtures shown herein include specialized canadian assembled LED components requiring up to date LED - DMX (512) Controls to function properly!	

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