

FCI-TXXXR(S)-DVW (Direct View Series)



Premium Direct-View Performance

- Optical Matrix, Shadow-Free Illumination

Flush Zero-Sightline Design

World Class Durability Package

- IP66, IP67, IP68, IP69K
- IK10 Max Impact Resistance
- 2,200 lb Heavy Duty Walkover

World Class Easy Install Package

- Field Wireable IP68 Connection System
- Toolless Lever-Lock Termination Method

SPECIFICATIONS

PHYSICAL

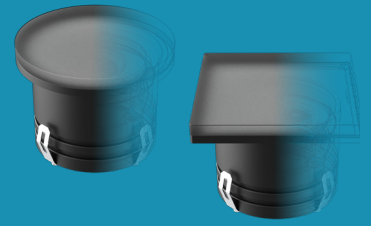
dimensions	Luminaire: (FCI-T175R/S) Ø 1.77" x 2.48" D, (FCI-T250R/S) Ø 2.52" x 2.99" D, (FCI-T300R/S) Ø 3.15" x 3.23" D, (FCI-T375R/S) Ø 3.86" x 3.35" D Well Housing: (See drawings on pages 5 and 6.)
housing	Luminaire: Fully silicone high temperature potted, marine grade, corrosion-resistant, heavy-walled, solid low copper alloy, precision CNC body with with silicone seals. Protected by a captive Nickel Plated Aluminum Alloy perimeter flush wall with no visible fasteners for a clean aesthetics. Well Housing: High-strength, heavy-walled PVC polymeric material featuring UL 746C f1 UV protection and a UL94 5VA flame rating.
lens	Thick, tempered low-iron, high-transmission glass lens with a mechanically etched frosted finish for direct-view, low-glare performance. IK10 impact-resistant per IEC 62262.
mounting	Pavement, concrete, sand, soil
ingress protection	Luminaire is IP66, IP67, IP68, and IP69K rated (IEC 60529) to withstand water, moisture, and high-pressure jet washdowns. ETL Listed for dry, damp or wet locations. Cabling is anti-syphon (standard) with IP68 waterproof connection systems available as an optional accessory.
impact resistance	IK10 (IEC 62262) impact-resistant for all models and sizes. Heavy-Duty walk over compliant up to 1000 kg (approximately 2,204 lbs).
finish	Housing is chemically cleaned, e-coated, and processed through a 7-stage pretreatment wash before application of UV-resistant, super-durable polyester powder coat at a minimum 18 µm dry-film thickness. Finish withstands a minimum 5,000 hour salt spray test per ASTM B117 and complies with AAMA 2604 and Florida requirements for superior corrosion resistance and weatherability.

PERFORMANCE

color	2700K, 3000K, 3500K, 4000K - 93 CRI (standard)
lumen output	23 lm - 255 lm
beam spread	Direct View (120°)
lumen maintenance	L70 > 100,000 hours
operating temperature	-22°F to 122°F (-30°C to 50°C)
warranty	5-Year limited warranty

ELECTRICAL

input voltage	24 VDC, Optional: UNV (120 - 277 VAC) (includes well housing driver)
power consumption	1W - 9W
power supply	Remote driver or well housing integral for UNV models.
certification	ETL
standards	UL1598 / CSA C22.2 No. 250.0 - Class I / IES LM-79 / LM-80
dimming	Both 24 VDC with REMOTE POWER and UNV Models are Tri-Dim (1%, 0-10V, 120 - 277 VAC), (1%, TRIAC & ELV, 120 VAC Only) standard.
cabling	Optional direct burial cabling options for 24 VDC & UNV available.



Ordering Information

ORDERING INFORMATION

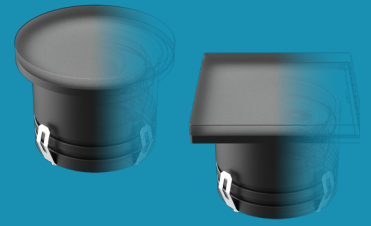
	DVW				LED						DV				
MODEL		SERIES		VOLTAGE		LIGHT SOURCE		COLOR		POWER (Typical)		OPTICS (Typical)		DIMMING	
FCI-T175R ¹	1.75" (45mm) Round									02W*	2W (50 Lumens)				
										01W*	1W (20 Lumens)				
FCI-T250R	2.50" (64mm) Round									05W*	5W (130 Lumens)				
										03W*	3W (80 Lumens)				
FCI-T300R	3.00" (80mm) Round									07W	7W (180 Lumens)				
										05W*	5W (140 Lumens)				
FCI-T375R	3.75" (98mm) Round									09W	9W (250 Lumens)				
										07W	7W (200 Lumens)				
FCI-T175S ¹	1.75" (45mm) Square									02W*	2W (50 Lumens)				
										01W*	1W (20 Lumens)				
FCI-T250S	2.50" (64mm) Square									05W*	5W (130 Lumens)				
										03W*	3W (80 Lumens)				
FCI-T300S	3.00" (80mm) Square									07W	7W (180 Lumens)				
										05W*	5W (140 Lumens)				
FCI-T375S	3.75" (98mm) Square									09W	9W (250 Lumens)				
										07W	7W (200 Lumens)				
		DVW	Direct View	24VDC	24 VDC	LED	SMD LED Discrete Source		927	93 CRI, 2700K		DV	Direct View (120°)	No Dimming (On / Off)	
				UNV	120 - 277 VAC				930	93 CRI, 3000K				TD**	Tri-Dim (1%, 0-10V, 120 - 277 VAC), (1%, TRIAC & ELV, 120 VAC Only)
				¹ UNV not available for FCI-T175R & FCI-T175S sizes.					935	93 CRI, 3500K					
									940	93 CRI, 4000K					

***Note:** Remote drivers require a minimum of 6W for startup, i.e. two 5W units minimum. See page 3 for driver specifications.

****Note:** TD Option with 24VDC requires REMOTE 24VDC POWER Options. Leave blank if no UNV or REMOTE 24VDC is selected, function will be no dimming (ON/OFF).

Note: Lumen output typical based on 940 color, see IES files for complete details.





Ordering Information

DRIVERS

INTERIOR - REMOTE 24VDC POWER OPTIONS – Dry, Damp, Wet Location UL Listed

Dimming TD Standard - Tri-Dim (1%, 0-10V, 120 - 277 VAC), (1%, TRIAC & ELV, 120 VAC Only)

_____ DRR-UNV-24VDC-30W-TD

_____ DRR-UNV-24VDC-60W-TD

_____ DRR-UNV-24VDC-96W-TD

EXTERIOR - REMOTE 24VDC POWER OPTIONS – IP66, IP67, IP69 UL Listed

Dimming TD Standard - Tri-Dim (1%, 0-10V, 120 - 277 VAC), (1%, TRIAC & ELV, 120 VAC Only)

_____ DRX-UNV-24VDC-30W-TD

_____ DRX-UNV-24VDC-60W-TD

_____ DRX-UNV-24VDC-96W-TD

ACCESSORIES *(Order separately. Indicate the quantity needed for each item. See page 4 for wiring chart and illustration.)*

_____ E62902-XX 18AWG 2C UL DIR BUR CABLE (for 24VDC Option) (XX provide feet in length)

_____ E62905-XX 18AWG 5C UL DIR BUR CABLE (for UNV Option) (XX provide feet in length)

_____ ES1 WATERPROOF WIRE NUTS IN BAG (5PCS) (order in Qty's of 5 for 24VDC & UNV options)

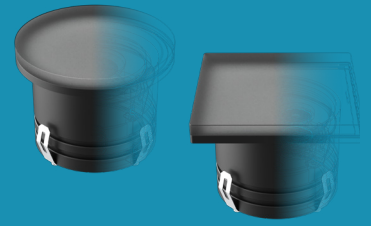
_____ EW-P20-2P 24VDC IP68 2-WAY CONNECTOR (only for 24VDC)

_____ EW-P20T-2P 24VDC IP68 3-WAY CONNECTOR (only for 24VDC)

_____ FCI-T-ADJ-TOOL FCI-T-ADJ ADJUSTABLE TOOL (only for FCI-T-ADJ Models)

_____ FCI-T-SUCTION FCI-T-ADJ SUCTION CUP TOOL (for removal/adjustments)

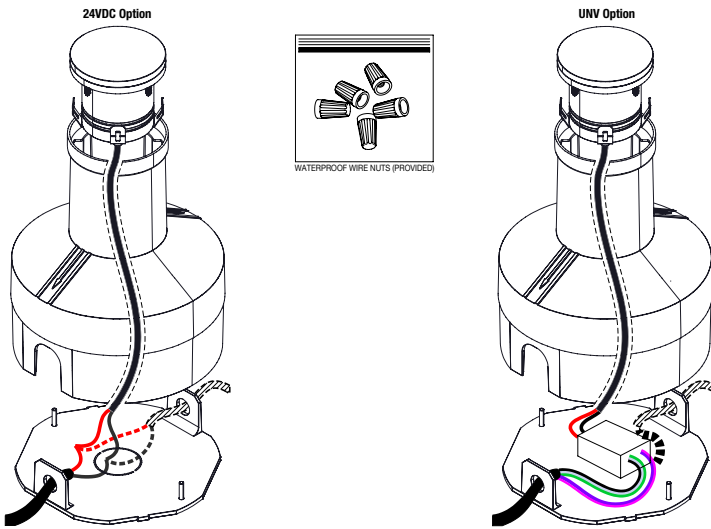
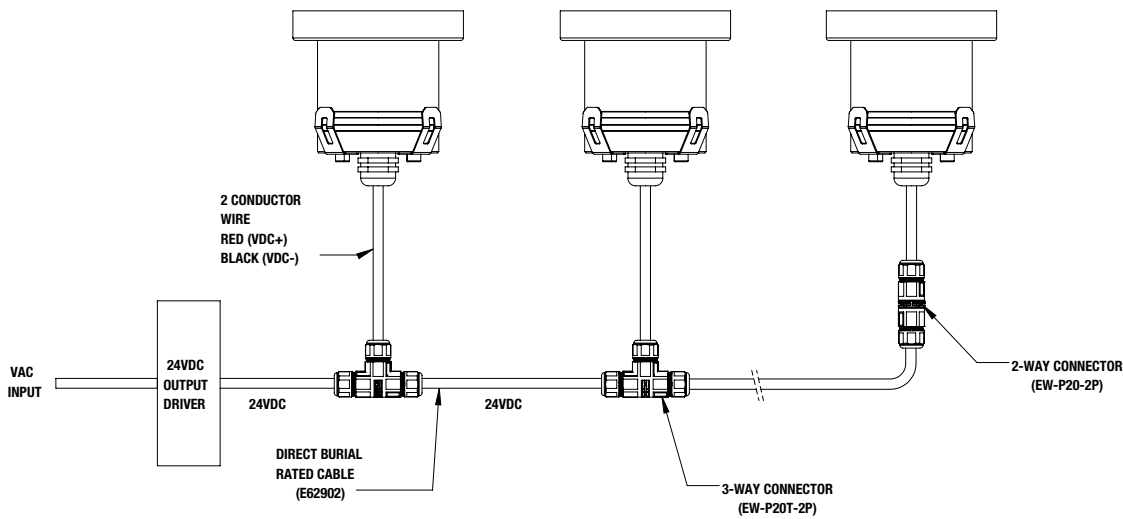




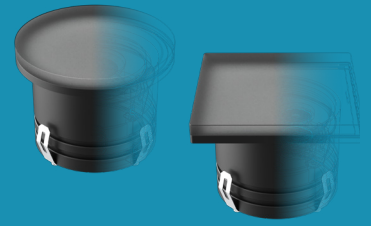
Wiring Information

WIRING CHART AND ILLUSTRATION

MAXIMUM WIRING DISTANCE (Feet)					
WIRE SIZE	10AWG (5.6mm ²)	12AWG (3.3mm ²)	14AWG (2.0mm ²)	16AWG (1.3mm ²)	18AWG (0.78mm ²)
UNV (120 - 277 VAC)	357	210	137	85	54
30W (24VDC)	480	282	185	114	73
60W (24VDC)	300	176	115	71	45
100W (24VDC)	120	71	46	29	18



Note: See installation instructions for full details.

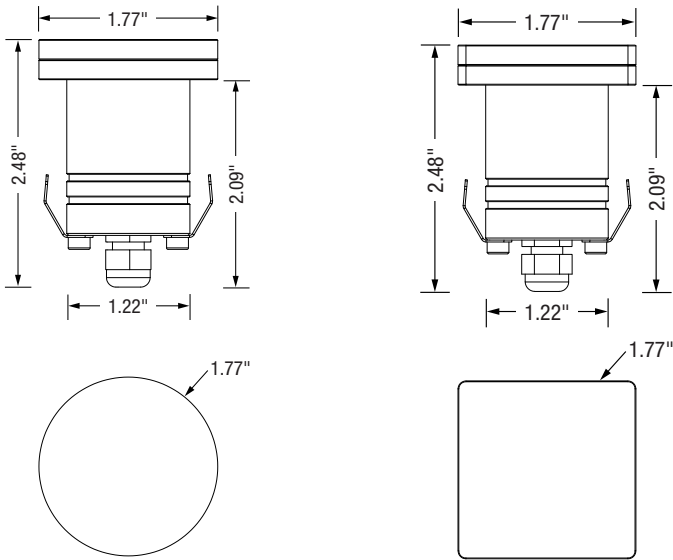


Dimensions

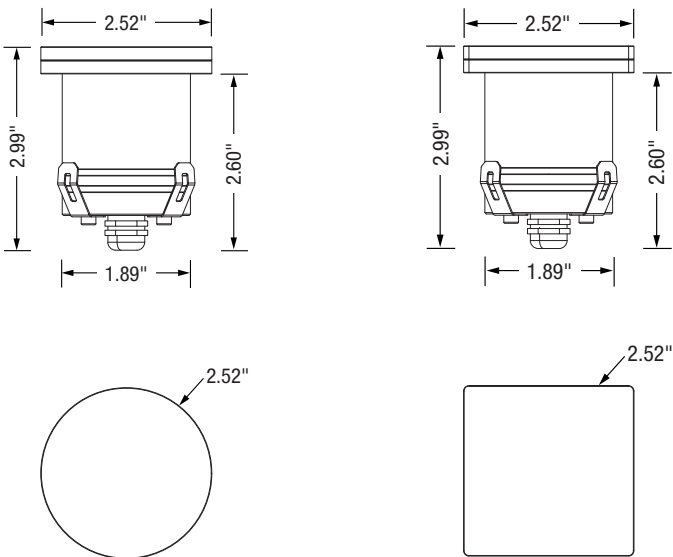
PRODUCT DIMENSIONS - STANDARD PRODUCT

Marine grade aluminum with nickel plated alloy construction.

FCI-T175R/S



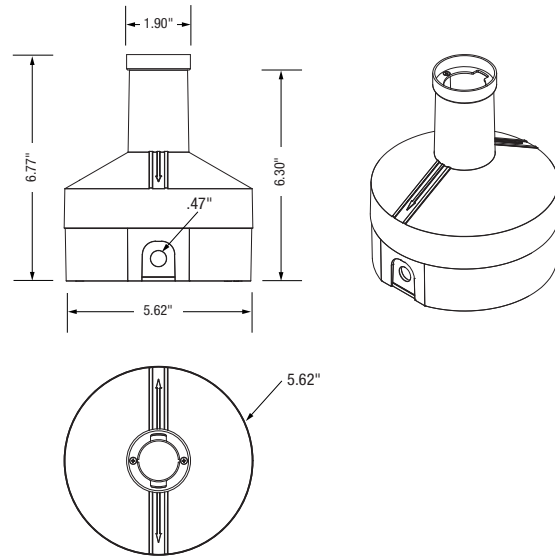
FCI-T250R/S



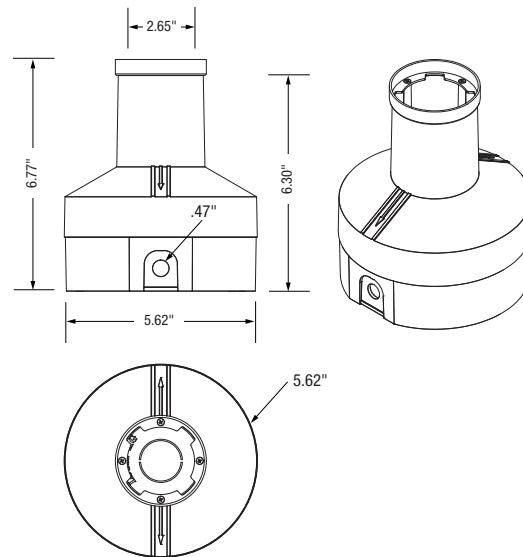
MOUNTING - well housing included, one per luminaire

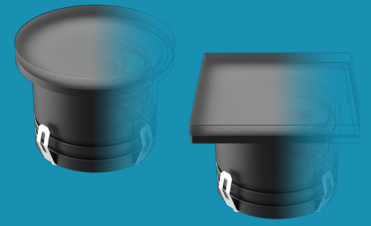
French drain required for proper installation, see installation instructions.

FCI-T175R/S (Square Models have Square Nickel Plated Alloy Insert)



FCI-T250R/S (Square Models have Square Nickel Plated Alloy Insert)



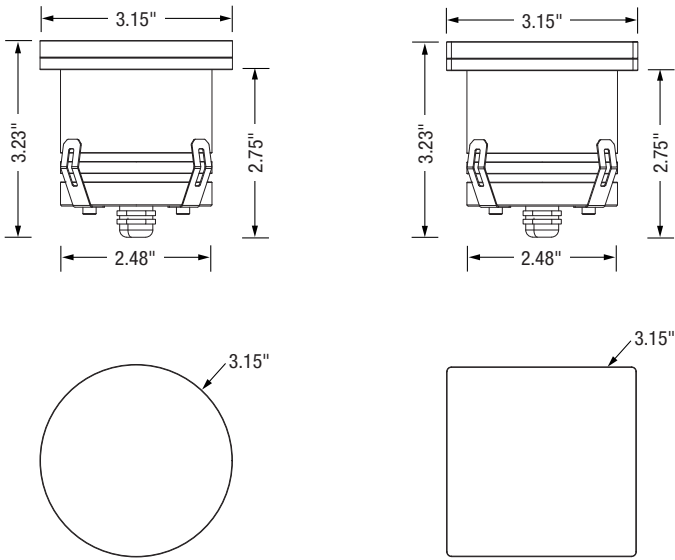


Dimensions

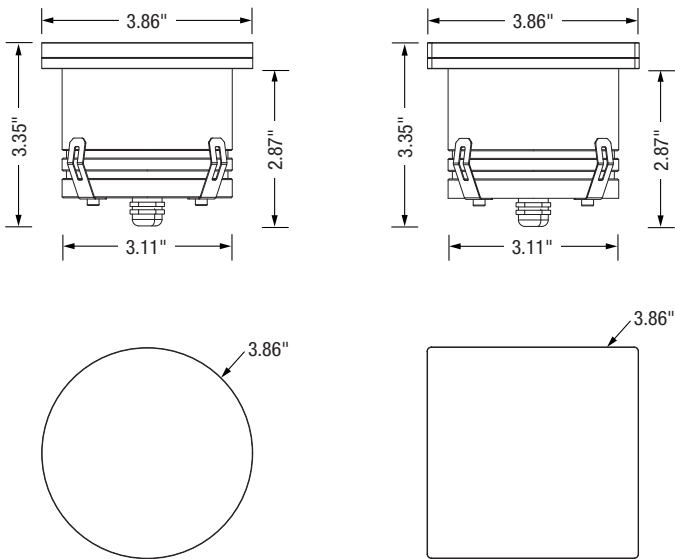
PRODUCT DIMENSIONS - STANDARD PRODUCT

Marine grade aluminum with nickel plated alloy construction.

FCI-T300R/S



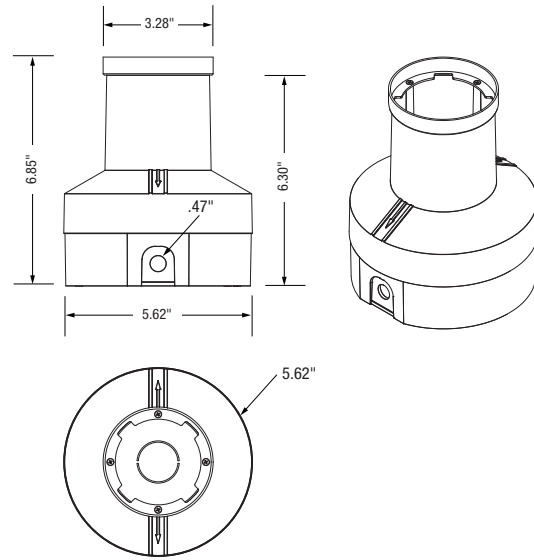
FCI-T375R/S



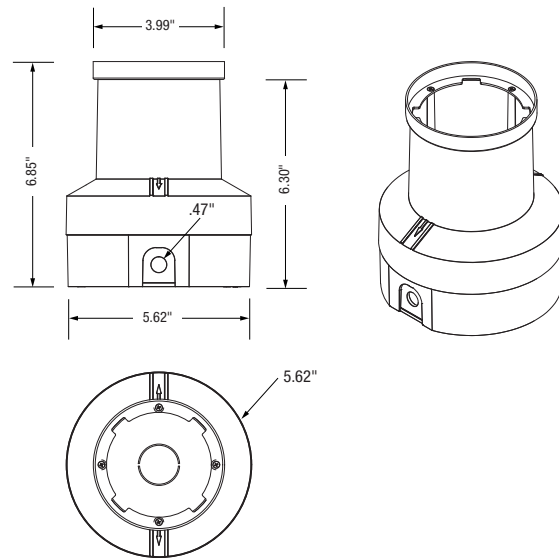
MOUNTING - well housing included, one per luminaire

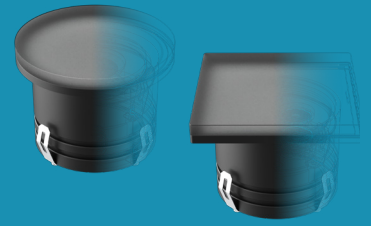
French drain required for proper installation, see installation instructions.

FCI-T300R/S (Square Models have Square Nickel Plated Alloy Insert)



FCI-T375R/S (Square Models have Square Nickel Plated Alloy Insert)





Photometry

OPTICAL DISTRIBUTION - See IES files for complete details.

