

FCI-TXXXR(S)-ASY (Asymmetrical Series)



Date:

Type:

Luminaire:

Project:

Approved:

Asymmetrical Wall Wash & Graze Optics

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 Wirable IP68 Connection System
- Toolless Lever-Lock Termination Method

SPECIFICATIONS

PHYSICAL

dimensions	Luminaire: (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 Aluminium 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	Heavy-gauge, thick, tempered low-iron high-transmission glass lens, IK10 (IEC 62262) impact-resistant.
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	200 lm - 500 lm
beam spread	ASY1: Asymmetrical (21-22° x 23-27°, Tilt 3-5°) or ASY2: Asymmetrical (35-38° x 54-65°, Tilt 20-22°) Note: Beam angle options vary by size, see IES files for specific beam angles.
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	3W - 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

	ASY										
MODEL	VERSION	VOLTAGE		LIGHT SOURCE		COLOR		POWER (Typical)	OPTICS (Typical)	DIMMING	
FCI-T250R	2.50" (64mm) Round							05W*	5W (300 Lumens)		
								03W*	3W (200 Lumens)		
FCI-T300R	3.00" (80mm) Round							07W	7W (400 Lumens)		
								05W*	5W (350 Lumens)		
FCI-T375R	3.75" (98mm) Round							09W	9W (500 Lumens)		
								07W	7W (450 Lumens)		
FCI-T250S	2.50" (64mm) Square							05W*	5W (300 Lumens)		
								03W*	3W (200 Lumens)		
FCI-T300S	3.00" (80mm) Square							07W	7W (400 Lumens)		
								05W*	5W (350 Lumens)		
FCI-T375S	3.75" (98mm) Square							09W	9W (500 Lumens)		
								07W	7W (400 Lumens)		
ASY		Asymmetrical	24VDC	24 VDC	COB	Chip on Board	927	93 CRI, 2700K	ASY1	Asymmetrical (21-22° x 23-27°, Tilt 3-5°)	No Dimming (On / Off)
			UNV	120 - 277 VAC			930	93 CRI, 3000K	ASY2	Asymmetrical (35-38° x 54-65°, Tilt 20-22°)	TD**
							935	93 CRI, 3500K			Tri-Dim (1%, 0-10V, 120 - 277 VAC), (1%, TRIAC & ELV, 120 VAC Only)
							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 average output between ASY1 & ASY2 optics, 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)

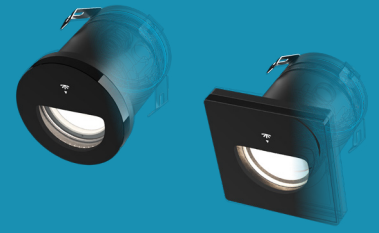
_____ EW-P20-2P 24VDC IP68 2-WAY CONNECTOR (only for 24VDC)

_____ 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)

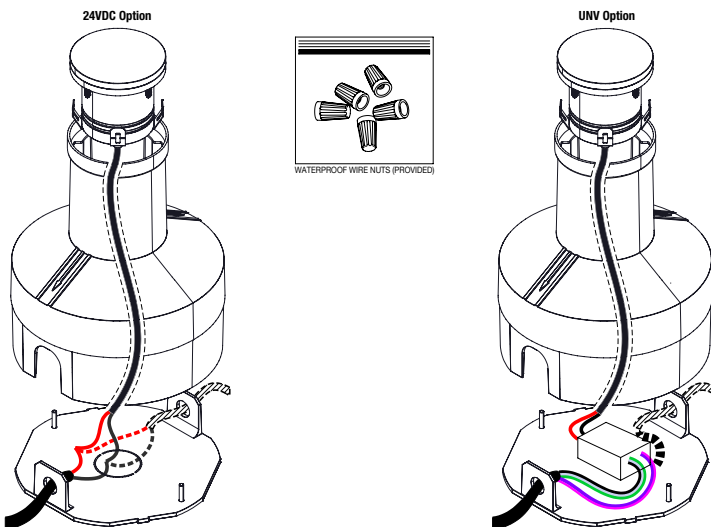
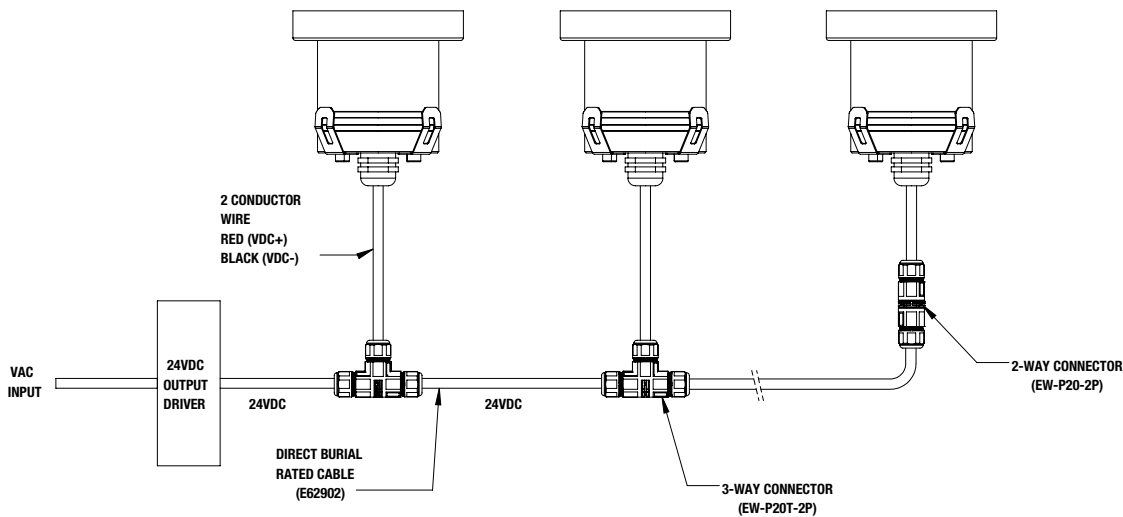




Wiring Information

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.

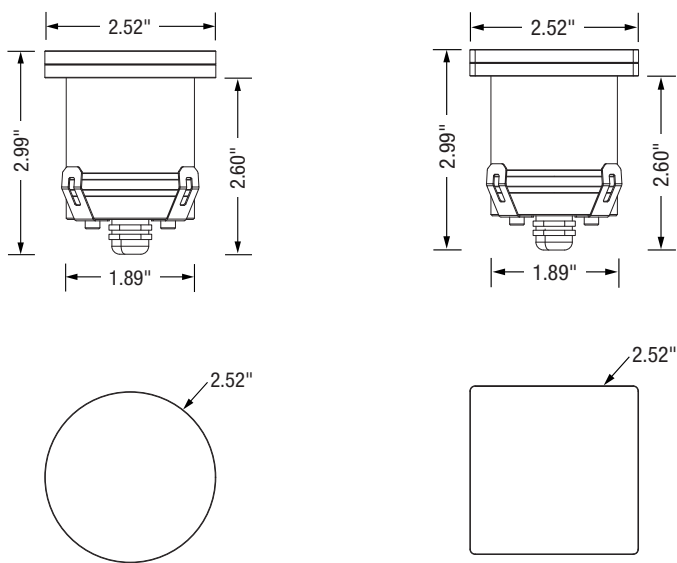


Dimensions

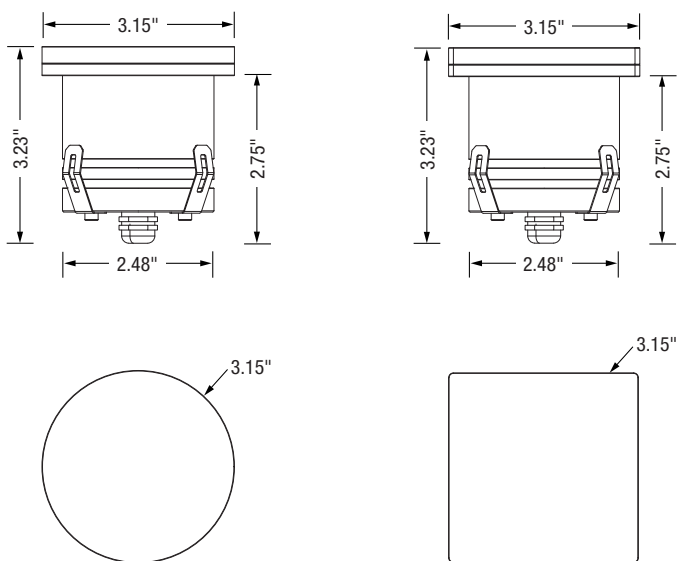
PRODUCT DIMENSIONS - STANDARD PRODUCT

Marine grade aluminum with nickel plated alloy construction.

FCI-T250R/S



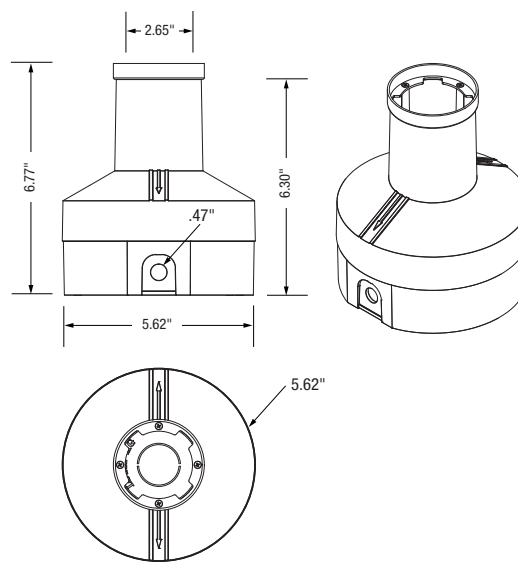
FCI-T300R/S



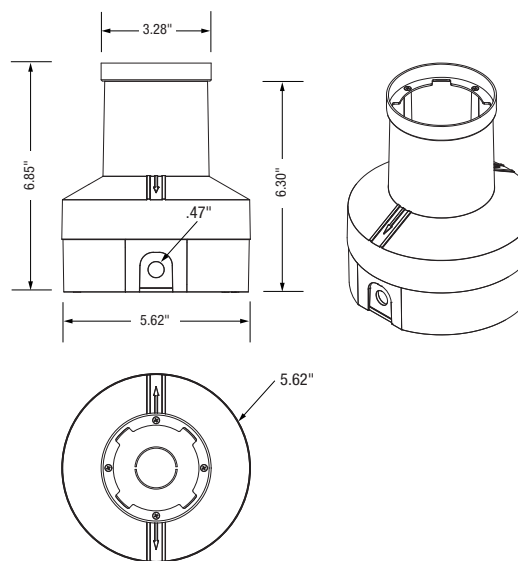
MOUNTING - well housing included, one per luminaire

French drain required for proper installation, see installation instructions.

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



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



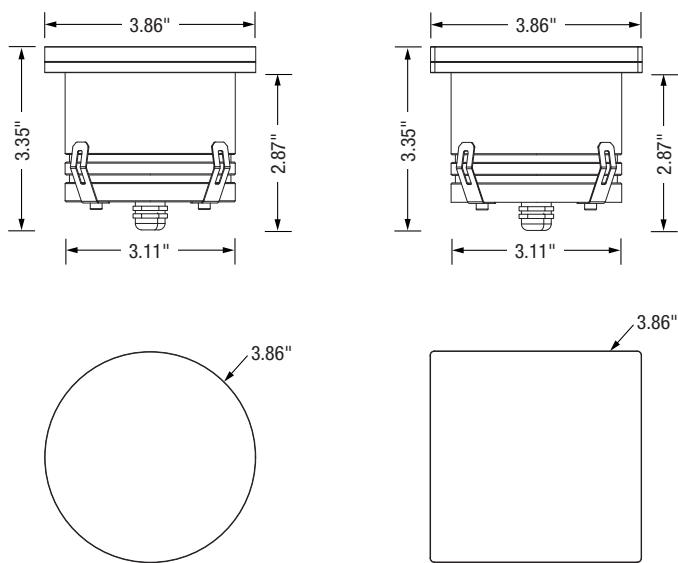


Dimensions

PRODUCT DIMENSIONS - STANDARD PRODUCT

Marine grade aluminum with nickel plated alloy construction.

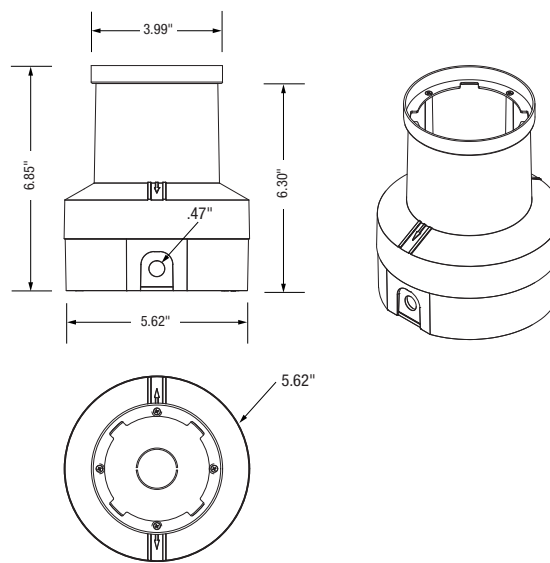
FCI-T375R/S

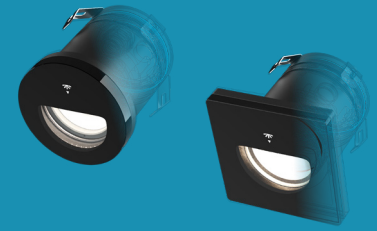


MOUNTING - well housing included, one per luminaire

French drain required for proper installation, see installation instructions.

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





Photometry

OPTICAL DISTRIBUTION - See IES files for complete details.

