

Date:

Approved:

Type:

Luminaire:

Project:

FCI-TXXXR(S)-RCW

(Recessed Ceiling / Wall Series)



Precision Aperture Glass Masking

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 Well Housing: (See drawings on page 5.)
housing	Luminaire: Fully silicone high temperature potted, marine grade, corrosion-resistant, heavy-walled, solid low copper alloy, precision CNC body 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	Heavy-gauge, thick, tempered low-iron high-transmission glass lens, IK10 (IEC 62262) impact-resistant. Optional: Internal anti-glare optical accessories.
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-siphon (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	50 lm - 500 lm
beam spread	NSP (5°), SP (18°), NFL (24°), FL (36°), WFL (60°), DO (Diffused) 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	1W - 5W
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.



Due to continuous development and improvements, specifications are subject to change without notice.

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US Commercial Lighting Manufacturer Since 1982

AG-DM-081926



Ordering Information

ORDERING INFORMATION

		RCW															
MODEL		SERIES		VOLTAGE		LIGHT SOURCE		COLOR		POWER (Typical)		OPTICS (Typical)		GLASS TYPE (Screen Printing)		DIMMING	
FCI-T175R ¹	1.75" (45mm) Round							02W*	2W (100 Lumens)								
								01W*	1W (50 Lumens)								
FCI-T250R	2.50" (64mm) Round							05W*	5W (250 Lumens)								
								03W*	3W (200 Lumens)								
FCI-T175S ¹	1.75" (45mm) Square							02W*	2W (100 Lumens)								
								01W*	1W (50 Lumens)								
FCI-T250S	2.50" (64mm) Square							05W*	5W (250 Lumens)								
								03W*	3W (200 Lumens)								
		RCW	Recessed Ceiling/Wall	24VDC	24 VDC	COB	Chip on Board	927	93 CRI, 2700K			NSP	Narrow Spot	SHW	Slot Horizontal Window	TD***	Tri-Dim (1%, 0-10V, 120 - 277 VAC), (1%, TRIAC & ELV, 120 VAC Only)
				UNV	120 - 277 VAC	LED**	SMD LED Discrete	930	93 CRI, 3000K			SP	Spot	LVS	Linear Vertical Slot		
								935	93 CRI, 3500K			NFL	Narrow Flood	ASE	Asymmetric Scoop Eyelid		
								940	93 CRI, 4000K			FL	Flood				
												WFL	Wide Flood				
												DO	Diffused				
												Note: All Optic except DO to only be used with ASE Glass Type.					
												Note: DO Optic only with SHW or LVS.					
												Note: See IES files for specific beam angles.					

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

****Note:** LED Option available for NSP Option Only and required on all FCI-T175R & FCI-T175S Models.

*****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 & NFL optic, 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)

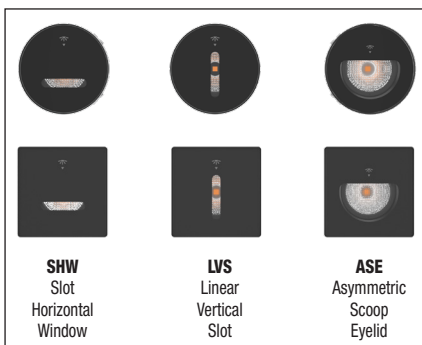
_____ EW-P20-2P 24VDC IP68 2-WAY CONNECTOR (only for 24VDC)

_____ 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)

GLASS TYPE (SCREEN PRINTING)

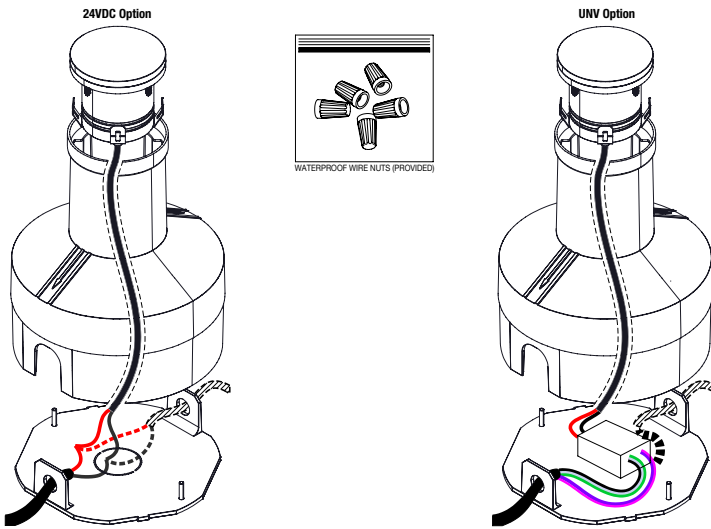
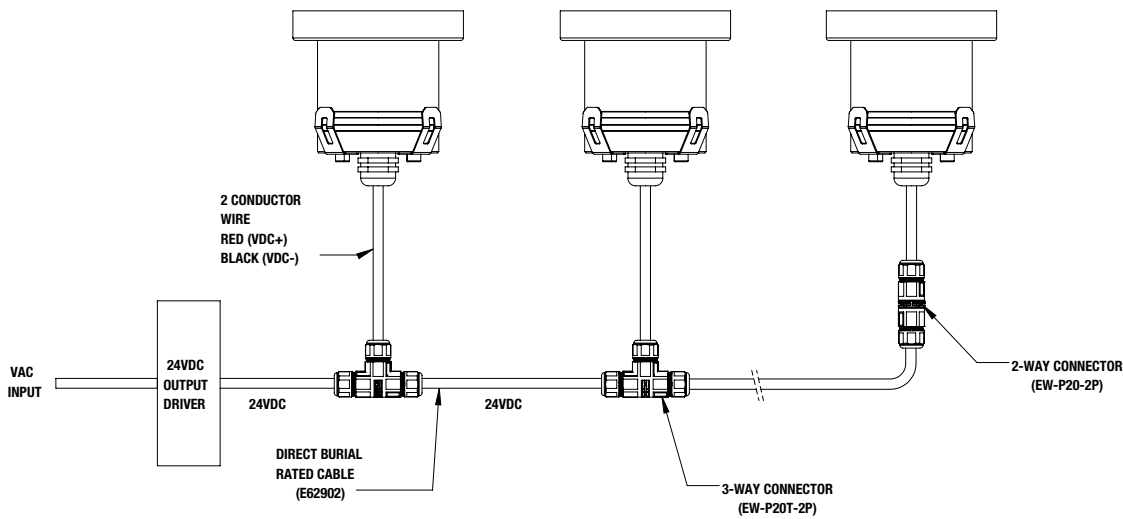




Wiring Information

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.

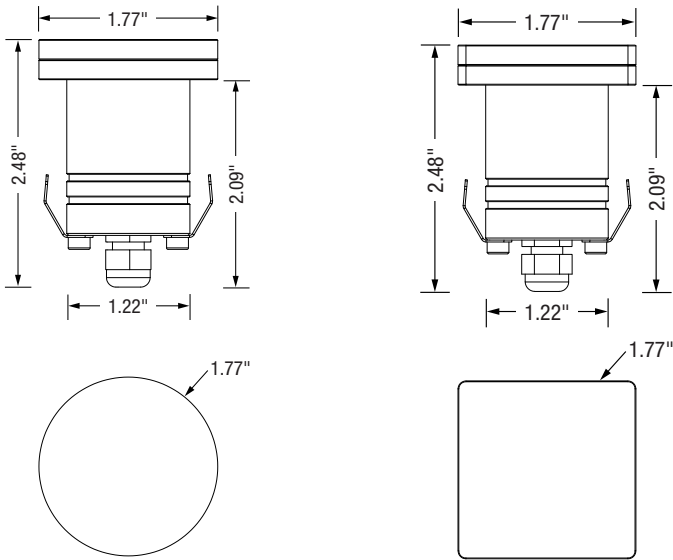


Dimensions

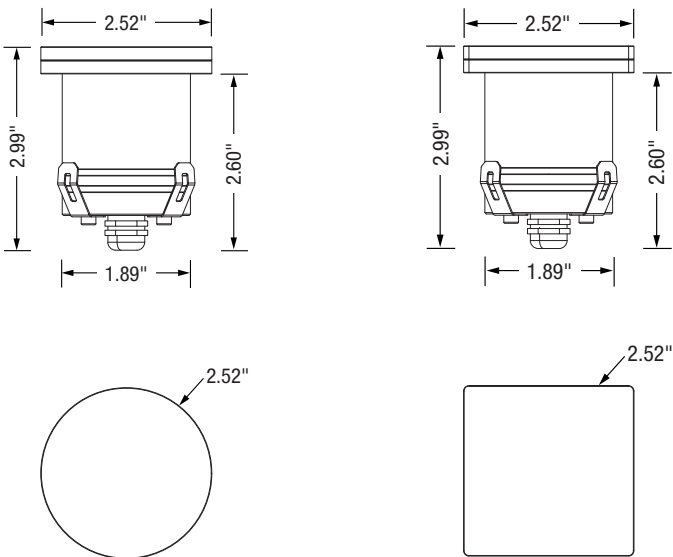
PRODUCT DIMENSIONS - STANDARD PRODUCT

Marine grade aluminum with nickel plated alloy construction.

FCI-T175R/S



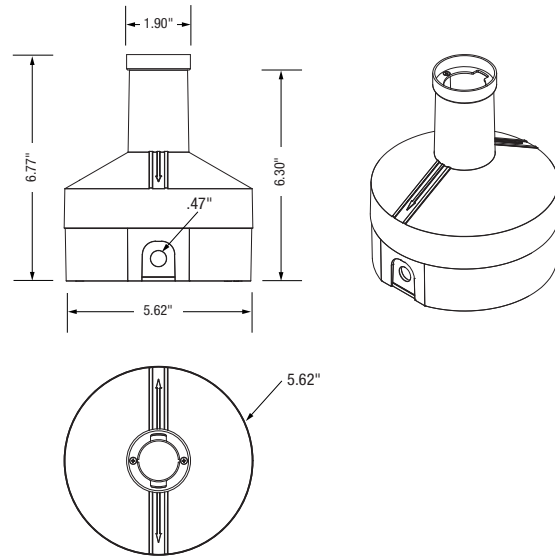
FCI-T250R/S



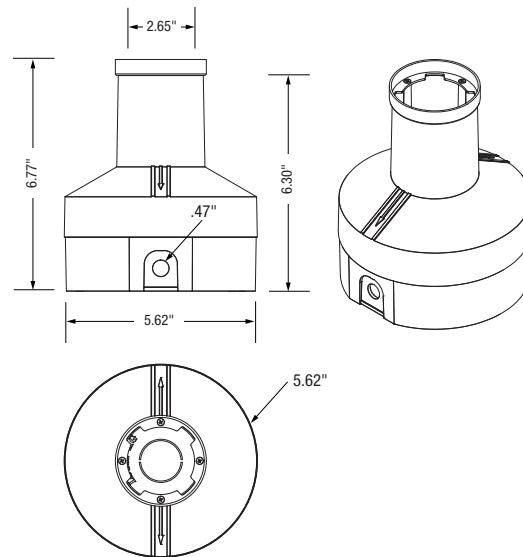
MOUNTING - well housing included, one per luminaire

French drain required for proper installation, see installation instructions.

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



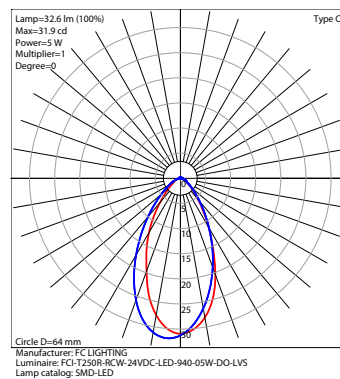
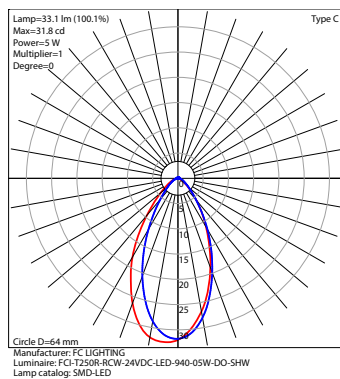
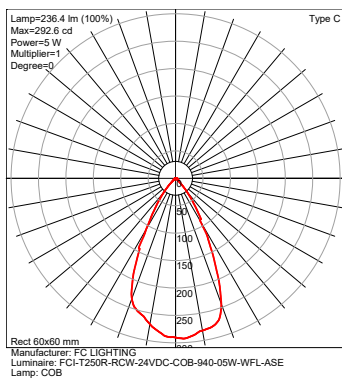
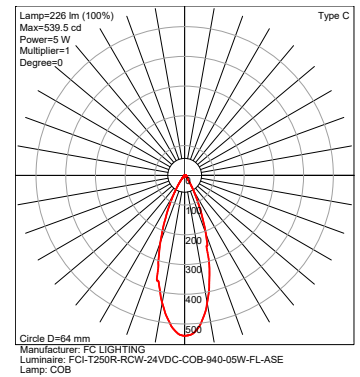
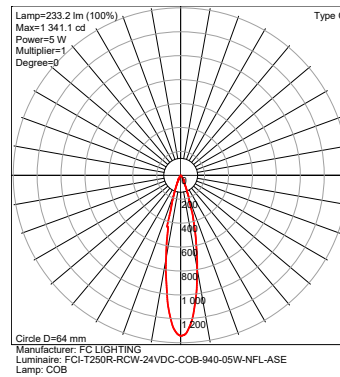
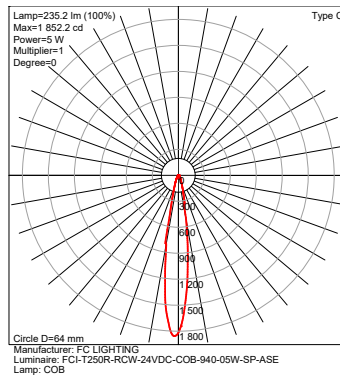
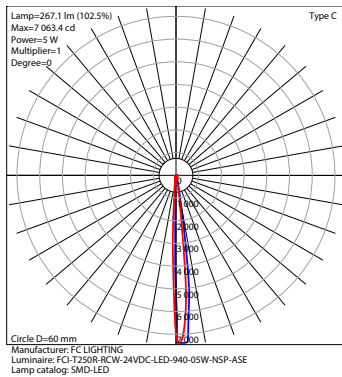
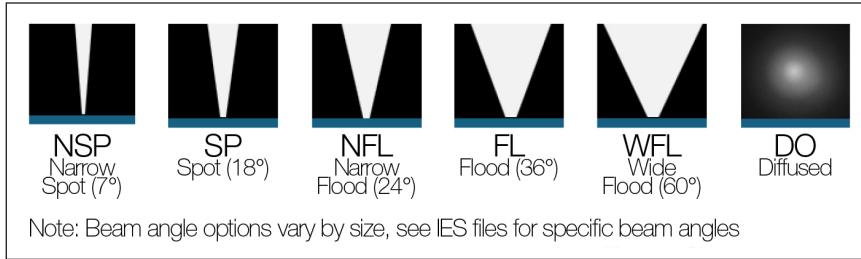
FCI-T250R/S (Square Models have Square Nickel Plated Alloy Insert)





Photometry

OPTICAL DISTRIBUTION - See IES files for complete details.



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