

FCW8050



Date:

Type:

Luminaire:

Project:

Approved:

FCW8050 Exterior Decor luminaire is a 12 inch round, IP65 rated, ADA compliant, easy to install luminaire that has an impact resistant lens and output options to meet the design requirements of your building. This round face luminaire in the FC Lighting Exterior Decor line of products can be ceiling, wall or surface mounted.



SPECIFICATIONS

PHYSICAL

dimensions	12" Ø x 4" D
weight	4 lbs
housing	Marine grade, corrosion resistant, heavy gauge high pressure die-cast aluminum; captive stainless steel tamper resistant hex head socket screws
lens	Impact and vandal resistant, UV stabilized, white polycarbonate
mounting	Ceiling, wall or surface mount applications: mounting holes allow unit to be attached directly to octagonal junction box
ingress protection	IP65 Rated. Suitable for wet, damp or dry location application, with extruded silicone gasket to seal out contaminants
finish	Available in Black, Bronze, Graphite Grey, Silver, White and Custom Colors. Six stage chemical iron phosphate conversion pre-treatment. Polyester powder coat finish, 18 µm minimum thickness, 5,000 hours salt spray test (ASTM B117) compliant with Florida, AAMA 2604 specification.

PERFORMANCE

color temperature	2700K, 3000K, 3500K, 4000K
lumen output	1200 lm, 1600 lm, 2400 lm, 3200 lm
lifetime	L70 >72,000 hours
color consistency	3 SDCM / Standard: 85 CRI, Optional: 90 CRI
operating temperature	-13°F to 104°F (-25°C to 40°C)
junction temperature	73°C @ T ^a 25°C
warranty	5-Year limited warranty

ELECTRICAL

input voltage	Universal 120 - 277 VAC, Optional: 347VAC (Integral)
power supply	Integral Class II, electronic high-power factor > 94% @120V
certifications	ETL/cETL Listed, CEC Title 24 JA8 compliant (only 90 CRI complies), ADA Compliant
standards	UL 1598, CSA C22.2 No. 250.0, UL 8750, CSA C22.2 No. 250.13, IES LM-79 / LM-80
power consumption	36W @ 3200 Lm, 120V - 277V (maximum), 13.5W @ 1200 Lm, 120V - 277V (minimum)
dimming	Standard: 0-10V (1%), Optional: ELV (120V only), DMX (Remote Only), DALI (Remote Only)

Due to continuous development and improvements, specifications are subject to change without notice. FC Lighting reserves the right to change lab test details or specifications without notice. Product use certifies agreement to FC Lighting terms and conditions. FCC Series Cylinder Lights are engineered and produced in our Illinois manufacturing facility.



Ordering Information

ORDERING INFORMATION

FCW8050														
Series		Voltage		CCT		CRI		LUMENS		Finish		Options		
FCW8050	UNV	120 - 277 VAC		27K	2700K	CRI85	85 CRI (Standard)		12L	1200 lm (13.5W)		BKE	Black	LD 0-10V Dimming, 1%
	347	347 VAC (Integral)		3K	3000K	CRI90	90 CRI		16L	1600 lm (15W)		BRE	Bronze	ELV* ELV Dimming (120 VAC Only)
				35K	3500K				24L	2400 lm (27W)		GRE	Graphite Grey	DMX DMX Dimming (Remote Only)
				4K	4000K				32L	3200 lm (36W)		SLE	Silver	DALI DALI Dimming (Remote Only)
												WHE	White	
												CCE	Custom Color	

REMOTE DRIVER & BATTERY BACKUP

FCW8050R	UNV											
SERIES	VOLTAGE	CCT			CRI		LUMENS		FINISH		OPTIONS	
FCW8050R†	UNV	120 - 277 VAC	27K	2700K	CRI85	85 CRI (Standard)	12L	1200 lm (13.5W)	BKE	Black	LD	0-10V Dimming, 1%
			3K	3000K	CRI90	90 CRI	16L	1600 lm (15W)	BRE	Bronze	ELV*	ELV Dimming (120 VAC Only)
			35K	3500K			24L	2400 lm (27W)	GRE	Graphite Grey	DMX	DMX Dimming (Remote Only)
			4K	4000K			32L	3200 lm (36W)	SLE	Silver	DALI	DALI Dimming (Remote Only)
									WHE	White	BBUR¹	Battery Backup Remote (Indoor)
									CCE	Custom Color	BBUX²	Battery Backup Remote (Outdoor)
											DRR¹	LED Driver Only Remote (Indoor)
											DRX²	LED Driver Only Remote (Outdoor)

† LED DRIVER REMOTE (INDOOR) IP20, IK08, NEMA 1, -20°C to +50°C, 30' MAX Distance with 12AWG.

*Consult factory for outdoor remote driver only.

[†] LED DRIVER REMOTE (INDOOR) IP20, IK08, NEMA 1, -20°C to +50°C, 30' MAX Distance with 12AWG.

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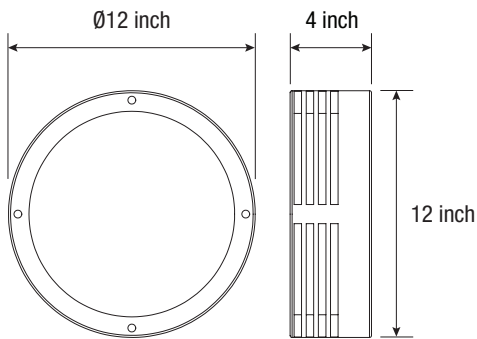
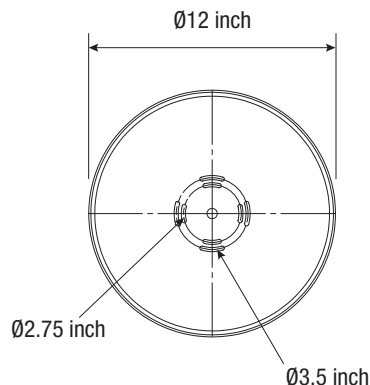
¹ Battery Back-up & LED Driver Remote (Indoor), IP20, IK08, NEMA 1, 0° to 48°C (32° to 118°F), 30 FT Maximum Distance with 12AWG (with UNV Option Only), 500 Lumens Nominal (with UNV Option Only)

² Battery Back-up & LED Driver Remote (Outdoor), IP67, IK10, NEMA 4X, -20 to 55°C (-4 to 131°F), 30 FT Maximum Distance with 12AWG (with UNV Option Only), 600 Lumens Nominal

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Dimensions

PRODUCT DIMENSIONS - STANDARD PRODUCT		MOUNTING - <i>j-box sold by others</i>	
width	12" Ø	mounting plate diameter	12" Ø
depth	4" D	mounting diameter	2.75" or 3.5"
 <p>Ø12 inch</p> <p>4 inch</p> <p>12 inch</p> <p>FRONT VIEW</p> <p>SIDE VIEW</p>		 <p>Ø12 inch</p> <p>Ø2.75 inch</p> <p>Ø3.5 inch</p> <p>12 inch mounting plate: mounts flush to surface, included with luminaire. Lens and face fasten directly to the plate</p>	

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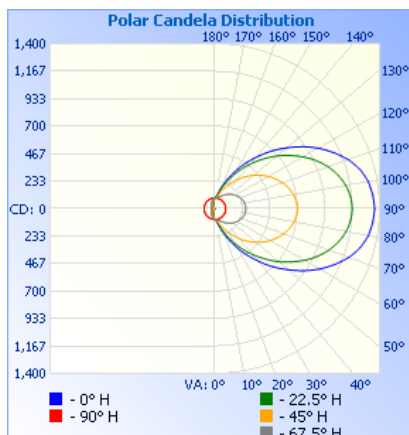
Photometry

OPTICAL DISTRIBUTION

lumen output	3320 lm @ 4000K
power consumption	36W

Illuminance at a Distance			
	Center Beam fc	Beam Width	
1.7ft	31.6 fc	3.5 ft	3.5 ft
3.3ft	8.38 fc	6.8 ft	6.8 ft
5.0ft	3.65 fc	10.3 ft	10.3 ft
6.7ft	2.03 fc	13.8 ft	13.8 ft
8.3ft	1.33 fc	17.1 ft	17.1 ft
10.0ft	0.91 fc	20.6 ft	20.6 ft

■ Vert. Spread: 91.7°
■ Horiz. Spread: 91.7°

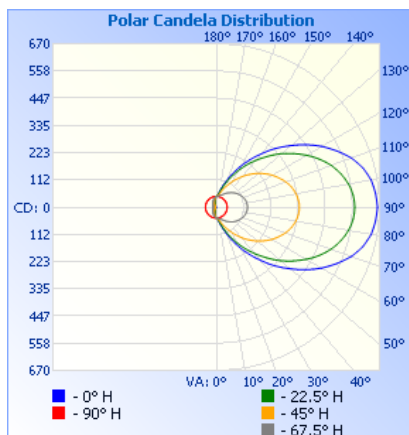


itl illuminations testing laboratory : Report #1308

lumen output	1617 lm @ 4000K
power consumption	15W

Illuminance at a Distance			
	Center Beam fc	Beam Width	
1.7ft	15.4 fc	3.5 ft	3.5 ft
3.3ft	4.08 fc	6.8 ft	6.8 ft
5.0ft	1.78 fc	10.3 ft	10.3 ft
6.7ft	0.99 fc	13.8 ft	13.8 ft
8.3ft	0.65 fc	17.1 ft	17.1 ft
10.0ft	0.44 fc	20.6 ft	20.6 ft

■ Vert. Spread: 91.7°
■ Horiz. Spread: 91.7°



itl illuminations testing laboratory : Report #1308-L

FCW8050

FIND IES FILES ON FCLIGHTING.COM

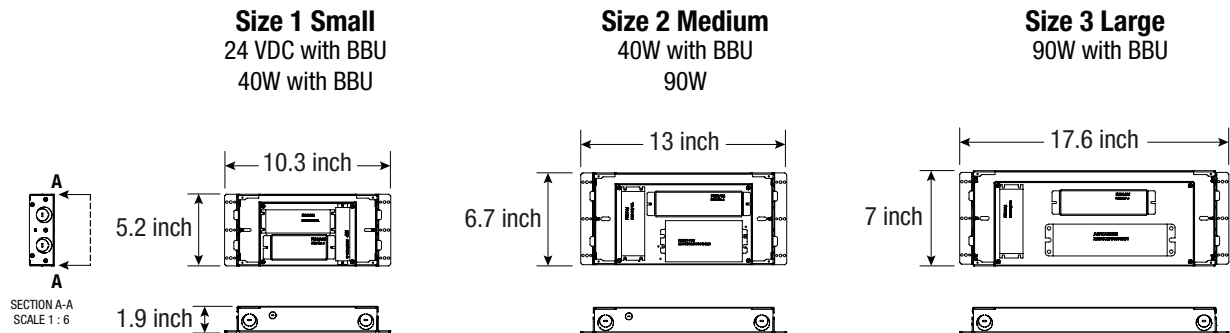


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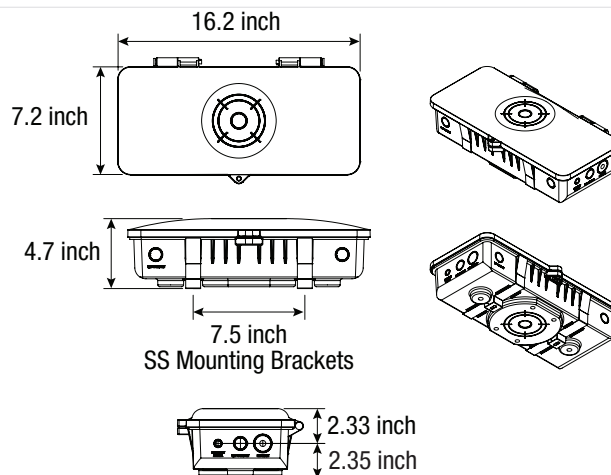


Battery Backups

BBUR — Battery Backup & LED Driver Remote (Indoor), IP20, IK08, NEMA 1, 0 to 48 °C (32 to 118 °F), 30 feet Maximum Distance with 12 AWG (with UNV Option Only)



BBUX — Battery Backup & LED Driver Remote (Outdoor), IP67, IK10, NEMA 4X, -20 to 55 °C (-4 to 131 °F), 30 feet Maximum Distance with 12AWG (with UNV Option Only)



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