

FCB450 FCB450A



Date:

Type:

Luminaire:

Project:

Approved:

FCB450 Exterior die-cast aluminum, round 8" diameter and 43" tall, louvered bollard designed and built to provide downward directed light completely surrounding the luminaire or, optionally, internally shielded to 180° or 90° light pattern. **FCB450A** has a true AMBER LED option which uses AlInGaP chip technology to produce amber color with spectral control between 590-600nm above the 560nm required by Florida Fish & Wildlife Conservation Commission (FWC).

SPECIFICATIONS

PHYSICAL

| | |
|--------------------|---|
| dimensions | 43"H x 8"D |
| weight | 18 lbs |
| housing | Marine grade, corrosion resistant, heavy gauge extruded aluminum (0.139" thick) |
| lens | Clear, heat resistant, tempered glass globe |
| mounting | Heavy wall base bracketing for bollard installation provides a unique mounting solution, so the tower body anchors flush to the ground without the appearance of a base plate, anchor bolts included. |
| ingress protection | IP65; dry, damp, or wet locations |
| finish | Available in Black, Bronze, Graphite Grey, Silver, White and Custom Colors. Six stage cleaning and saline pre-treatment. Super TGIC polyester powder coat finish, 18µm minimum, 5,000 hour salt spray test (ASTM B117) compliant with Florida / AAMA 2604 specification. |

PERFORMANCE

| | |
|-----------------------|--|
| color temperature | FCB450 - 2700K, 3000K, 3500K, 4000K, FCB450A - Amber |
| lumen output | FCB450 - 932 lm, FCB450A - 147 lm |
| lumen maintenance | L70 > 70,000 hours |
| color consistency | 3 SDCM / 85CRI |
| operating temperature | -13°F to 122°F (-25°C to 50°C) |
| warranty | 5-Year limited warranty |

ELECTRICAL

| | |
|-------------------|--|
| input voltage | Universal 120 - 277 VAC, optional: 347 VAC, 480 VAC |
| power supply | Integral Class II, electronic, high power factor > 94% @ 120V |
| certification | ETL/cETL Listed |
| standards | UL1598 / CSA C22.2 No. 250.0; UI 8750 / CSA C22.2 No. 250.13 / IES LM-79 / LM-80 |
| power consumption | 120 - 277 VAC @ 42W |
| dimming | standard: 0-10V (10%), optional: ELV (120 VAC only) / DMX / DALI |



FCB450A

Wildlife Lighting Certified
by the Florida Fish & Wildlife
Conservation Commission

Due to continuous development and improvements, specifications are subject to change without notice.
Product use certifies agreement to FC Lighting terms and conditions.

FCB450 FCB450A



Ordering Information

PART NUMBER

| FCB450 | | 43 | | | | | |
|--------|---------|---------------------|--------|-------------------|-------------------------------------|-------------------|--|
| SERIES | VOLTAGE | HEIGHT | COLOR | LUMENS | FINISH | OPTIONS | |
| FCB450 | UNV | 120 - 277 VAC | 43 43" | 827 (85CRI) 2700K | 10L 932 lm (42W) | BKE Black | LD 0-10V Dimming |
| | 120V | 120 VAC (Photo Eye) | | 830 (85CRI) 3000K | | BRE Bronze | ELV ELV Dimming (120 VAC Only) (No PE Option) |
| | 277V | 277 VAC (Photo Eye) | | 835 (85CRI) 3500K | HS ¹ - 180° House Shield | GRE Graphite Grey | SP20 20kV Surge Protector |
| | 347V | 347 VAC | | 840 (85CRI) 4000K | 05L 463 lm (22W) | SLE Silver | BBU Battery Backup (Integral) |
| | 480V | 480 VAC | | | HS ² - 270° House Shield | WHE White | SP20-BBU (2) 20kV Surge Protectors (1/LED Driver, 1/BBU) and Battery Backup (Integral) |
| | | | | 03L 233 lm (12W) | CCE Custom Color | | PE120 Photo Eye for 120 VAC |
| | | | | | | | PE277 Photo Eye for 277 VAC |
| | | | | | | | HS ¹ 180° House Shield |
| | | | | | | | HS ² 270° House Shield |
| | | | | | | | LAB ³ Less Anchor Bolt Kit - for shipment separate of Anchor Bolt Kit |
| | | | | | | | GFCI ⁴ 20A 125V Outlet Receptacle |

| FCB450A | | 43 | AM | | | | |
|---------|---------|---------------------|--------|----------------------|-------------------------------------|-------------------|--|
| SERIES | VOLTAGE | HEIGHT | COLOR | LUMENS | FINISH | OPTIONS | |
| FCB450A | UNV | 120 - 277 VAC | 43 43" | AM Amber (590-600nm) | 01L 147 lm (30W) | BKE Black | LD 0-10V Dimming |
| | 120V | 120 VAC (Photo Eye) | | | | BRE Bronze | ELV ELV Dimming (120 VAC Only) (No PE Option) |
| | 277V | 277 VAC (Photo Eye) | | | HS ¹ - 180° House Shield | GRE Graphite Grey | SP20 20kV Surge Protector |
| | 347V | 347 VAC | | | 05L 73 lm (15W) | SLE Silver | BBU Battery Backup (Integral) |
| | 480V | 480 VAC | | | HS ² - 270° House Shield | WHE White | SP20-BBU (2) 20kV Surge Protectors (1/LED Driver, 1/BBU) and Battery Backup (Integral) |
| | | | | | 03L 36 lm (10W) | CCE Custom Color | PE120 Photo Eye for 120 VAC |
| | | | | | | | PE277 Photo Eye for 277 VAC |
| | | | | | | | HS ¹ 180° House Shield |
| | | | | | | | HS ² 270° House Shield |
| | | | | | | | LAB ³ Less Anchor Bolt Kit - for shipment separate of Anchor Bolt Kit |
| | | | | | | | GFCI ⁴ 20A 125V Outlet Receptacle |

ANCHOR BOLT KITS

A00450-01

Anchor Bolt Kit - Complete Anchor Bolt Kit shipped in advance of luminaire.

¹ Note: 05L only available with HS option.

² Note: 03L only available with HS2 option.

³ Note: Luminaire must be mounted into FC Lighting supplied Anchor Bolt Kit shipped with or separate of luminaire.

⁴ Note: All paint COLOR to match GFCI outlet color except Black housing which has a Bronze GFCI.

Consult Factory for other options and configurations.

To ensure you receive proper configurations for your lighting specifications, contact us directly about any unique application requirements. This may include but not be limited to lumen output, mounting needs, or electrical requirements.

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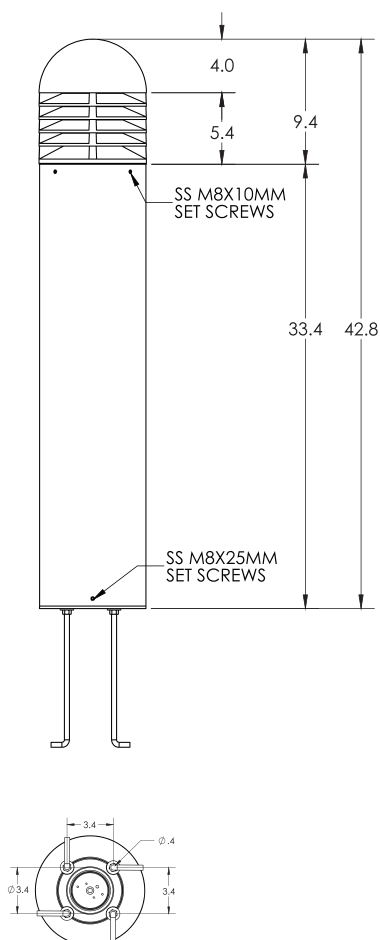


Specification Sheet

FCB450
FCB450A



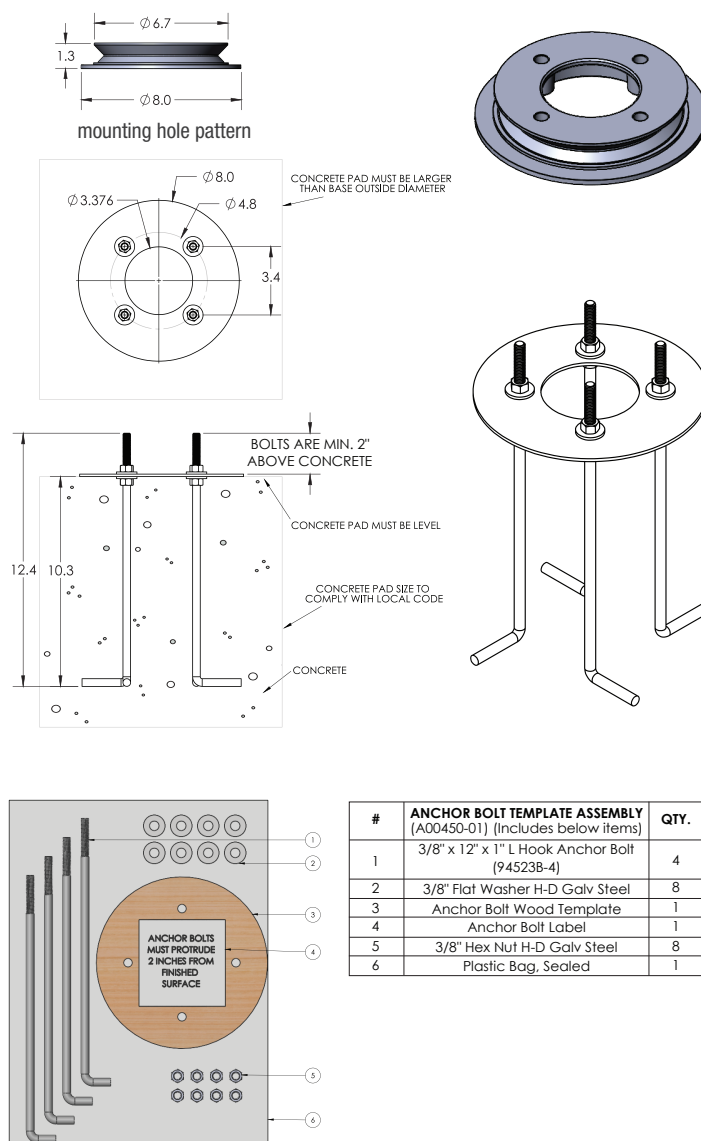
PRODUCT DIMENSIONS - STANDARD PRODUCT



MOUNTING

| | |
|--------------------------------------|-----------|
| Mounting Plate Diameter | Ø 8" |
| Anchor Bolt Template Assembly | A00450-01 |

(Includes the below items listed)



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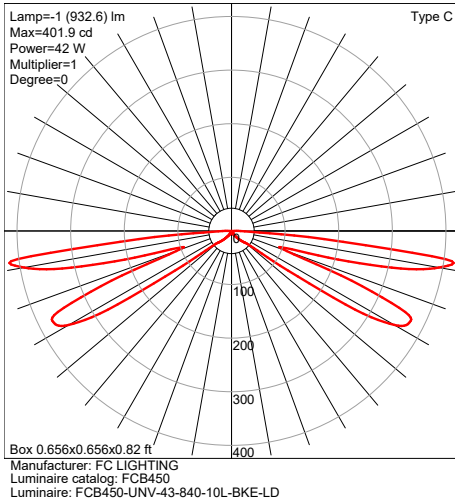
 US Commercial Lighting Manufacturer Since 1982

Specification Sheet

Photometry



OPTICAL DISTRIBUTION



| IES MULTIPLIER | |
|----------------|------------|
| Color | Multiplier |
| 927 | 0.89 |
| 930 | 0.96 |
| 935 | 0.97 |
| 940 | 1.00 |

| | |
|-------------------|----------------|
| Lumen Output | 932 lm @ 4000K |
| Power Consumption | 42 W |

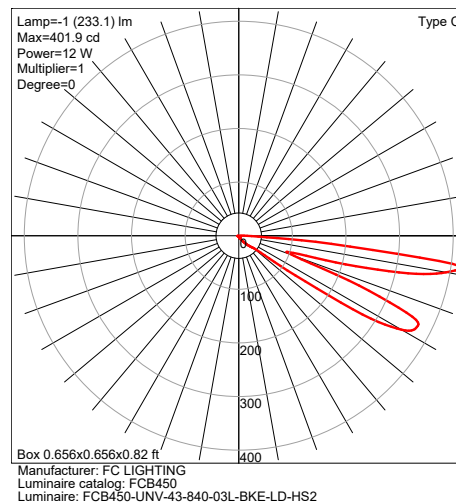
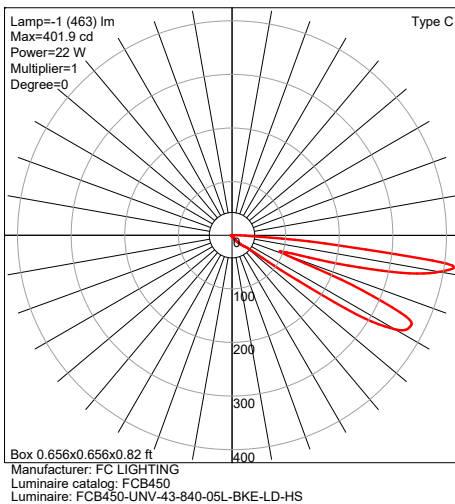
OPTIONS

FIND IES FILES ON FCLIGHTING.COM

HS - 180° House Shield

HS2 - 270° House Shield

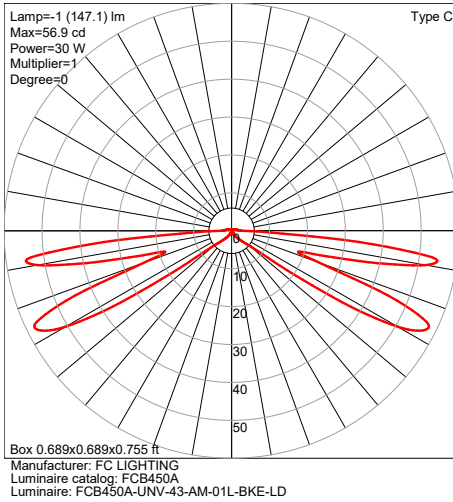
NOTE: House Shields are internal to the luminaire.



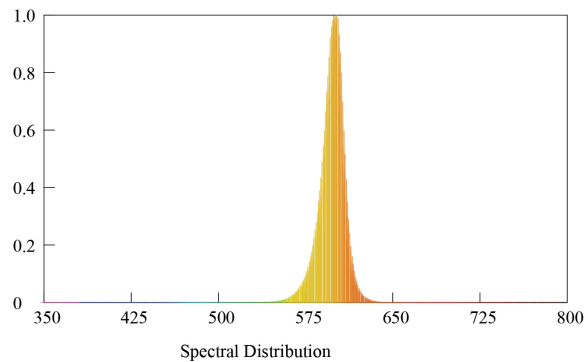
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OPTICAL DISTRIBUTION



Spectroradiometric Parameters



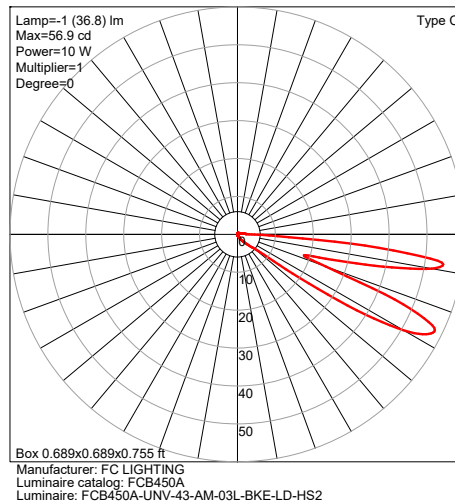
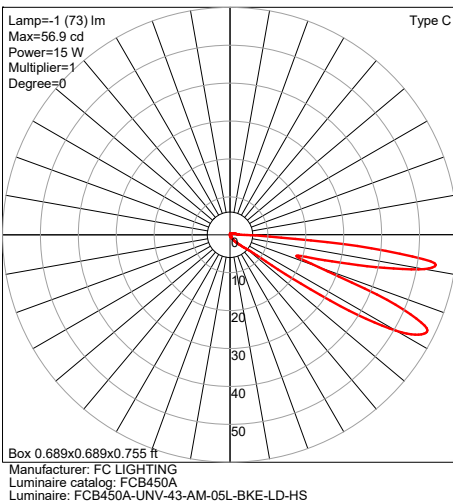
OPTIONS

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HS - 180° House Shield

HS2 - 270° House Shield

NOTE: House Shields are internal to the luminaire.

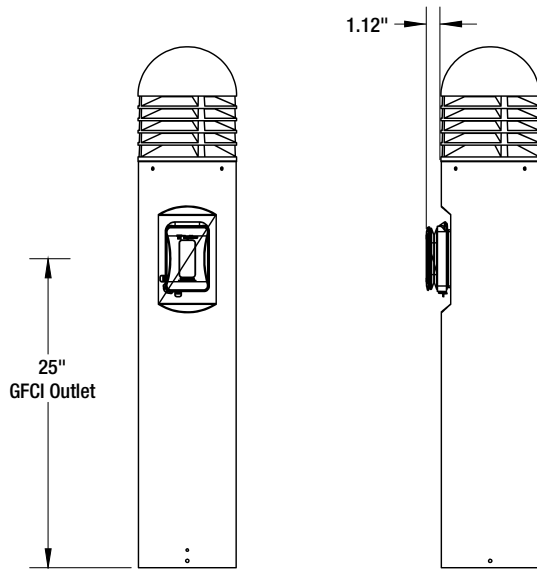


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Options

GFCI - GROUND FAULT CIRCUIT INTERRUPTER



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