	QTY	LABEL	DESCRIPTION
CANOPY	20	A	CAN-228-PS-RM-06-E-UL-XX-525-57K (SWITCH POSITION 3)

	QTY	LABEL	DESCRIPTION
FLOOD	1	B	FCF1103-UNV-4K-CRI90-9L-XXX-25-FEA12

	QTY	LABEL	DESCRIPTION
PATHWAY	16	C	PWY-EDG-3M-P3-02-E-UL-XX-350-57K

SHEETZ

- ☐ FOR CONSTRUCTION
- ☑ FOR BID
- ☐ FOR REVIEW
- ☐ CONCEPTUAL

Issued 01/22/2024

	QTY	LABEL	DESCRIPTION
WALL MOUNTED	1	E	SEC-EDG-3M-WM-02-E-UL-XX-525
	4	F	SEC-EDG-3M-WM-02-E-UL-XX-525-DIM (SET TO 3.0 V.)

	QTY	LABEL	DESCRIPTION
AREA	1	G	OSQ-ML-C-DA-XX + OSQM-C-16L-57K7-4M-UL-NM-XX-Q4
	5	H	OSQ-ML-C-DA-XX + OSQM-C-16L-57K7-4B-UL-NM-XX-Q6
	1	J	OSQ-ML-C-DA-XX + OSQM-C-16L-57K7-3B-UL-NM-XX-Q5

ADDITIONAL FIXTURE INFO

228 Series™

LED Recessed Canopy Luminaire

Product Description

Slim, low profile, easy mounting from below or above the deck. Luminaire sides are rugged cast aluminum with high performance extruded aluminum heat sinks specifically designed for LED. Luminaire mounts directly to the canopy deck and is secured in place with compression molded trim frame. Luminaire housing is provided with factory applied foam gasket and provides for a weathertight seal between luminaire housing and canopy deck. Suitable for single or double skin canopies with 12" (305mm) or 16" (406mm) wide panels. Designed for canopies of 16-22 gauge (maximum 0.065" [1.65mm] thickness).

Applications: Petroleum stations, convenience stores, drive-thru banks and restaurants, retail and grocery.

Performance Summary

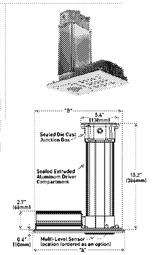
- Patented NanoOptic® Product Technology
- Assembled in the U.S.A. of U.S. and imported parts
- **CRI:** Minimum 70 CRI
- **CCT:** 4000K (+/- 300K), 5700K (+/- 500K) standard
- **Limited Warranty*:** 10 years on luminaire/10 years on Colortrak DefiniGuard™ finish

*See http://fyilighting.cree.com/terms for warranty terms.

Accessories

Field-Installed

Upgrade Plan Kit	Upgrade Plan Kit - Poncé
1.5" x 2x3" (38mm x 51mm x 3.4mm) plastic canopy trim piece with integral compression ring and gasket to provide a weathertight seal between luminaire housing and ceiling surface mounted or recessed ACE luminaire.	24.5" x 2x3" (615mm x 76mm x 3.4mm) plastic canopy trim piece with integral compression ring and gasket to provide a weathertight seal between luminaire housing and ceiling surface mounted or recessed ACE luminaire.
• 4 holes mounting channels and hardware	SA-CT228BLTM* - 351.LED
SA-CT228WLTM* - 351.LED	SA-CT228BLTM* - 351.LED
SA-CT228BLTM* - 351.LED	SA-CT228WLTM* - 351.LED
SA-CT228BLTM* - 351.LED	SA-CT228BLTM* - 351.LED
- For use with canopies that are greater than 2.5" (64mm)	- Has extra hardware pieces for use with canopies that have a maximum of 3" (76mm) diameter cut hole.
SA-CT228WLTM* - 351.LED	SA-CT228WLTM* - 351.LED
SA-CT228BLTM* - 351.LED	SA-CT228BLTM* - 351.LED
SA-CT228WLTM* - 351.LED	SA-CT228WLTM* - 351.LED
- Has extra hardware pieces for use with canopies that are less than 2.5" (64mm) in diameter	- Has extra hardware pieces for use with 1" (25mm) or 1.5" (38mm) conduit that have a maximum of 1.5" (38mm) diameter or 1.9" x 3" (50mm x 75mm) cut hole.
Sealed Integral Accessory Compartment	SA-CT228CLM* - 351.LED
SA-CT228BLM* - 351.LED	SA-CT228WLM* - 351.LED
SA-CT228WLM* - 351.LED	SA-CT228BLM* - 351.LED
- Has extra hardware pieces for use with 1" (25mm) or 1.5" (38mm) conduit that have a maximum of 1.5" (38mm) diameter or 1.9" x 3" (50mm x 75mm) cut hole.	- Has extra hardware pieces for use with 1" (25mm) or 1.5" (38mm) conduit that have a maximum of 1.5" (38mm) diameter or 1.9" x 3" (50mm x 75mm) cut hole.
SA-CT228CLPM* - 351.LED	SA-CT228CLPM* - 351.LED
SA-CT228WLPM* - 351.LED	SA-CT228WLPM* - 351.LED
SA-CT228BLPM* - 351.LED	SA-CT228BLPM* - 351.LED
- For surface/pendant mounting of the programmable multi-level system, a minimum of one Quad Architectural is required.	- For surface/pendant mounting of the programmable multi-level system, a minimum of one Quad Architectural is required.



LED Count (x1A)	Drive Current	Dim. "X"	Dim. "B"	Weight
80	525/700mA	15.2" (386mm)	21.9" (557mm)	18.7lbs (8.5kg)
64	525/700mA	15.2" (386mm)	21.9" (557mm)	15.9lbs (7.2kg)
48	350mA	15.2" (386mm)	21.9" (557mm)	12.8lbs (5.8kg)
32	525/700mA	15.2" (386mm)	21.9" (557mm)	11.1lbs (5.0kg)

Ordering Information

Example: CAN-228-SL-RM-E-UL-XX-525

CAN-228			E					
Product	Style	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
CAN-228	Set Style 1: Medium Set Sparkle Pewabasic PS Pewabasic Gainsmoke	RM Recessed	32 Available with 1A only 48 64 80	E	UNV 120-277V 347-480V	BK Black BZ Bronze DA Dark Silver WH White	350 350mA 525 525mA 700 700mA	DIM - 0-10V Dimming • Control by others • Refer to Control Options chart for details • Can't exceed specified drive current PHS, PhotoCell & Motion Sensor • Refer to Control Options chart for details • Can't exceed specified drive current HDR - 4000K Color Temperature • Color temperature per luminaire • Minimum 78 CRI

* All LED luminaires with 700mA require market capacity 40° x 24" x 2" (1219mm x 610mm x 152mm) and 12" (305mm) center-to-center mounting centers. 24" (610mm) luminaire centers to code building standards, or 10 luminaires or luminaire to canopy/building perimeter.

US: lighting.cree.com T (800) 236-6800 F (262) 504-5419
Canada: www.cree.com/canada T (800) 473-1234 F (626) 599-7507

Rev. Date: 10/31/2019

228 Series™ Ambient Adjusted Lumen Maintenance*

Ambient	Initial LMF	25k hr Projected LMF	50k hr Projected LMF	75k hr Calculated* LMF	100k hr Calculated* LMF
5°C (41°F)	1.04	1.01	0.99	0.96	0.94
10°C (50°F)	1.03	1.00	0.98	0.97	0.95
15°C (59°F)	1.02	0.99	0.97	0.94	0.94
20°C (68°F)	1.01	0.98	0.96	0.95	0.93
25°C (77°F)	1.00	0.97	0.95	0.94	0.92

* Lumen maintenance values at 25°C are projected per IES TM-21 based on LM-80 data and in-situ luminaire testing. Luminaire ambient temperature factors (LMF) have been applied to all lumen maintenance factors. Please refer to the Cree Lighting Definitive Document for outdoor area/roadway luminaire ambient temperature factors.

** In accordance with IES TM-21, Reported values represent estimated lumen maintenance values at 60,000 hours of operation. Per IES TM-21 guidance, reported values cannot be projected for durations that are within six (6) times the in-situ test duration or 36,000 hours, whichever is less. The maximum reported value for this luminaire is 60,000 hours.

Estimated values are calculated and represent time durations that exceed the in-situ test duration of the LED.

⚠ CA RESIDENTS WARNING: Cancer and Reproductive Harm - www.p65warnings.ca.gov

FC OUTDOOR LIGHTING

Date: Approved:
Type:
Fixture:
Project:

FCF1103

3" square high powered flood light outdoor

FEATURES
- Up to 120 lm/W, over 9,200 LMW
- Wide range control 4 dig. options
- Many optical accessories
- Tempered glass lens
- Die-cast
- 1.5G vibration Tested
- -40 C to +45 C (-104 to 113 F)

QUICK SHIP PROGRAM

PERFORMANCE
Beam Spread: 15° | 25° | 40° | 60° | 110°
CCT Options: 2700K, 3000K, 3500K, 4000K, 5000K, Red, Green, Blue
CRI: 90 CRI
Consistence: 2 SDCM (Factory to Fixture)
Lumens: 900 lm
Lifetime: > 70,000 hours / L70 or Better

PHYSICAL
Mounting: Standard mounting is flat (use U-bracket shown with 1/4" hole) or includes adjustments for 360° vertical rotation and 360° horizontal rotation
Ingress Protection: Dry, damp or wet locations (IP66 rated)
Finish: Six step chemical prep/phosphate conversion pre-treatment. Polyester powder coat finish, 1.5 mil thick. 1000hr salt spray test (ASTM B117) Compliant with Florida / AAMA 2604 specifications. AAMA 2605 optional for +10 yr. paint warranty
Warranty: 5 Year limited warranty (refer to website for details)
Housing: Marine grade, corrosion resistant, low copper 356.0 die-cast aluminum, captive, stainless steel fasteners
Lens: Anti-reflective, fully tempered glass with silicone gasketing - IP67 Rated Sealing
Vibration Resistance: Complies with 1.5G ANSI C136.31, 5 cycles per axis, 30-90 Hz
Weight: 7.5 lbs
Ambient Operating Temp.: -4°F to 113°F (-20°C to 45°C)

ELECTRICAL
Voltage: Universal 120-277V AC
Power Supply: Integral Class II, electronic high power factor > 90 @120V
Power Consumption: 7W @ 120V
Dimming: Optional: 0-10V Dimming with Remote Power (1 Per Fixture)
Certification: CEC Title 24 - 162 Compliant
Standards: cETLus Listed, CE, NOM, tested to UL 1598 and UL 57993 standards, FDA Class 1 / IEC Light Pollution

PHYSICAL DIMENSIONS

US: Commercial Lighting Manufacturer Since 1962
C-FC Lighting, Inc. 2609 Commerce Way - El Cajon, CA 92020 T (619) 401-7731

BD-SD-DM-01821

THE EDGE® Series

LED Pathway Luminaire

Rev. Date: V1 02/17/2020

Product Description

Durable die-cast aluminum luminaire housing mounts directly to 4" (102mm) diameter pole (included) without visible mounting hardware for clean appearance. Pole mounts to rugged die cast aluminum internal flange secured by three 3/8" - 16 x 1" anchor bolts with 1 1/4" hook (provided). **Note:** Not for 3/8" socket required for heat installation. Top mounted LEDs for superior optical performance and light control.

Applications: Landscape, walk-ways and general site lighting.

Performance Summary

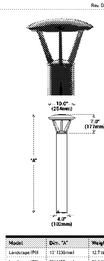
- Patented NanoOptic® Product Technology
- Assembled in the U.S.A. of U.S. and imported parts
- **CRI:** Minimum 70 CRI
- **CCT:** 4000K (+/- 300K), 5700K (+/- 500K) standard
- **Limited Warranty*:** 10 years on luminaire/10 years on Colortrak DefiniGuard™ finish

*See http://fyilighting.cree.com/terms for warranty terms.

Accessories

Field-Installed

Upgrade Kit
• Used for replacement of existing Bollards with a bolt hole circle of 6.75" (165mm)
SA-EDPKBS - Bronze SA-EDPKBZ - Black



Model	Dim. "X"	Weight*
Landscape (PA)	13" (330mm)	12.7 lbs. (5.8kg)
Landscape (PT)	19" (457mm)	13.3 lbs. (6.0kg)
Parkway (PL)	24" (610mm)	17.9 lbs. (8.1kg)
Parkway (PA)	42" (1066mm)	18.6 lbs. (8.4kg)
Pedestrian (PB)	96" (2438mm)	29.4 lbs. (13.3kg)

* Add 4.5lbs. (2.0kg) for 3.5 cable

Ordering Information

Example: PWY-EDG-2M-P6-02-E-UL-XX-350

PWY-EDG			02	E				
Product	Optic	Mounting	LED Count (x8)	Series	Voltage	Color Options	Drive Current	Options
PWY-EDG	2M Type 2 Medium 3M Type 3 Medium 5M Type 5 Medium 5W Type 5 Wide P3 Type 3 Short	P3 13" (330mm) landscape P4 19" (483mm) landscape P5 24" (610mm) pathway P6 42" (1066mm) pathway PB 96" (2438mm) pedestrian	02 04 06 08 10 12	E	UL Universal 120-277V 347 120-347V 480 347V	BK Black BZ Bronze DA Dark Silver WH White	350 350mA 525 525mA 700 700mA Available with 28-80 LEDs 1A 1050mA Available with 28-80 LEDs	HL HOLE on Short Dimension • Available with UL voltage and 525mA driver current only • Must specify 525mA drive current • Refer to Cut Sheet for details T1 Two-Level (T1/T2/T3 nolmaglimmer sensor control) • Available with P3, P4, P5 and P6 mounting only • Must specify 525mA drive current • Refer to Cut Sheet for details T1L2 Two-Level (T1/T2 w/integrated sensor control) • Available with P3, P4, P5 and P6 mounting only • Must specify 525mA drive current • Refer to Cut Sheet for details T2 Two-Level (T2/T3 w/integrated sensor control) • Available with P3, P4, P5 and P6 mounting only • Must specify 525mA drive current • Refer to Cut Sheet for details WR - Wireless Control • Standard with Fixture option, available with P3 and Fixture HDR - 4000K Color Temperature • Color temperature per luminaire

* 347-480V ships as magnetic step down transformer. For input power for 347-480V refer to the Electrical Data table.

US: cree@abdi.com (800) 236-6800
Canada: cree@electrosales.com (800) 473-1234

CREE LIGHTING

ADDITIONAL FIXTURE INFO

Cree Edge® Series

LED Security Wall Pack Luminaire

Rev. Date: V3 08/29/2019

Product Description

The Cree Edge® wall mount luminaires has a slim, low profile design. The luminaire and cups are made from rugged die cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks specifically designed for LED applications. Housing is rugged aluminum. Includes a lightweight mounting box for installation over standard and mud ring nostic gang boxes. Luminaire can also be direct mounted to a wall and surface wired. Cree Edge® wall mount luminaires are rated for wet locations. Choose from top, bottom, side and rear allows versatile surface mounting for uplight or downlight. Designed and approved for easy through-wiring, including installation in quads.

Applications: Entrances and security lighting.

Performance Summary

- Patented NanoOptic® Product Technology
- Assembled in the U.S.A. of U.S. and imported parts
- **CRI:** Minimum 70 CRI
- **CCT:** 4000K (+/- 300K), 5700K (+/- 500K) standard
- **Limited Warranty*:** 10 years on luminaire/10 years on Colortrak DefiniGuard™ finish

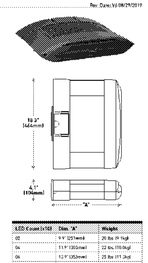
*See http://fyilighting.cree.com/terms for warranty terms.

Accessories

Field-Installed

Wall Sensors	Ready Motion	Wall Mount Sensors
SA-EDSCWM	Wall Mount - 12' (3.66mm) Square Wall Mount - 360° (3.66mm) Square • Covers holes left by incandescent wall packs	SA-EDSWM • Surface mounted digital occupancy or the programmable multi-level system, a minimum of one Quad Architectural is required

* Not applicable to 2 CCT



LED Count (x10)	Dim. "A"	Weight
02	9.9" (251mm)	20 lbs. (9.1kg)
04	11.9" (302mm)	22 lbs. (10.0kg)
06	12.9" (328mm)	23 lbs. (10.4kg)
08	15.9" (404mm)	25 lbs. (11.3kg)
10	17.9" (455mm)	27 lbs. (12.2kg)
12	19.9" (505mm)	28 lbs. (12.7kg)

Ordering Information

Example: SEC-EDG-2M-WM-02-E-UL-GY-700

SEC-EDG				E				
Product*	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
SEC-EDG	2M Type 2 Medium 3M Type 3 Medium 5M Type 5 Medium 5W Type 5 Wide 3MWR Type 3 Medium w/BLS 5MWR Type 5 Medium w/BLS 5WWR Type 5 Wide w/BLS	WM Wall Mount	02 04 06 08 10 12	E	UL Universal 120-277V 347 120-347V 480 347V	BK Black BZ Bronze DA Dark Silver GY Grey WH White	350 350mA 525 525mA Available with 28-80 LEDs 700 700mA Available with 28-60 LEDs	Options

* Not available with 2 CCT

⚠ CA RESIDENTS WARNING: Cancer and Reproductive Harm - www.p65warnings.ca.gov

Cree Edge® Series Ambient Adjusted Lumen Maintenance*

Ambient	Initial LMF	25k hr Projected LMF	50k hr Projected LMF	75k hr Extrapolated* LMF	100k hr Extrapolated* LMF
5°C (41°F)	1.04	1.01	0.98	0.96	0.94
10°C (50°F)	1.03	1.00	0.98	0.97	0.95
15°C (59°F)	1.02	0.99	0.97	0.94	0.94
20°C (68°F)	1.01	0.98	0.96	0.95	0.93
25°C (77°F)	1.00	0.97	0.95	0.94	0.92

* Lumen maintenance values at 25°C (77°F) are projected per IES TM-21 based on LM-80 data and in-situ luminaire testing. Luminaire ambient temperature factors (LMF) have been applied to all lumen maintenance factors. Please refer to the Cree Lighting Definitive Document for outdoor area/roadway luminaire ambient temperature factors.

** In accordance with IES TM-21, Reported values represent estimated lumen maintenance values at 60,000 hours of operation. Per IES TM-21 guidance, reported values cannot be projected for durations that are within six (6) times the in-situ test duration or 36,000 hours, whichever is less. The maximum reported value for this luminaire is 60,000 hours.

Estimated values are calculated and represent time durations that exceed the in-situ test duration of the LED.

US: cree@abdi.com (800) 236-6800
Canada: cree@electrosales.com (800) 473-1234

CREE LIGHTING

ADDITIONAL FIXTURE INFO

OSQ Series

OSQ™ LED Area/Flood Luminaire featuring Patented NanoComfort™ Technology – Version C

Rev. Date: V3 06/17/2021

Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Build to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low profile design maximizes wind load requirements and blends seamlessly into the site. Complete with a high quality IP66 rated optical system, this luminaire is suitable upgrade for HID applications up to 400 Watts. Available in 4 sizes, it is ideal for multiple applications up to 1000 Watts. Extra Large is available upgrade for HID applications up to multiple 1000 Watts.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, high-mast and pedestal roadways.

Performance Summary

- Utilizes Patented NanoComfort™ Technology
- Utilizes Cree TrueWhite™ Technology at 5000K Luminaires
- Assembled in the USA by Cree Lighting from US and imported parts
- **Initial Delivered Lumens:** 4,068 - 75,966
- **Efficacy:** Up to 171 LPW
- **CRI:** Minimum 70 CRI (300K, 4000K & 5700K), 90 CRI (5000K)
- **CCT:** 3000K, 4000K, 5000K, 5700K
- **Limited Warranty*:** 10 years for luminaire; 10 years for Colortrak EarthQuake® finish; 5 years for DLM, sensors up to 5 years for Synapse® accessories; 1 year for luminaire accessories

*See http://fyilighting.cree.com/terms for warranty terms. For Synapse accessories, consult Synapse spec sheets for details on warranty terms.

Ordering Information

Fully assembled luminaire is comprised of two components that must be ordered separately. Example: Primary: OSQ-ML-C-DA-5M + Luminaire: OSQM-C-4L-20K7-2M-UL-NM-DA

Primary								
Product	Size	Mounting	Voltage	Mount	Control Options	Finish	Quantity	Options
OSQ-ML-C-DA	5M Medium 4M Medium 3M Medium 3B Medium 2M Medium 2B Medium 1M Small 1B Small	RA Round Adapter SA Square Adapter RT Round Tenon ST Square Tenon Factory installed options only	UNV 120-277V 347 347V 480 480V Available with 5M, 4M, 3M, 3B, 2M, 2B sizes only	Trunnion Universal mounting bracket Knuckle Knuckle mount Yoke Yoke mount Mast Arm Mast arm mount Pendant Pendant mount Wall Wall mount Flood Flood mount Pole Top Pole top mount Retrofit Retrofit mount Universal Universal mounting bracket	Blank No control PE Photocontrol, button type PER Photocontrol, button type, receptacle DMG 0-10V dimming wires pigtailed out back of housing for use with external control (not provided) DCR Dimming, photocontrol, button type, receptacle PIR Bi-level motion/ambient sensor, 8-sec. delay, 180° detection pattern PIR1FC Bi-level motion/ambient sensor, 1-min. delay, 360° detection pattern PIRH Bi-level motion/ambient sensor, 30' mounting height, ambient sensor enabled at 5fc PIRHFC Bi-level motion/ambient sensor, 15' - 40' mounting height, ambient sensor enabled at 1fc Factory installed options only	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DSSXD Sandstone DDBTXD Textured Dark Bronze DBLBXD Textured Black DNATXD Textured Natural Aluminum DWHTXD Textured White DSSTXD Textured Sandstone	Blank One luminaire 2 Two luminaires at 180° 3 Three luminaires at 90° 4 Four luminaires at 90°	Blank No Options HS Houseside Shield (not available with SQ) SQ Square Pole Drilling (not available with HS) RPA Round Pole Adapter Plate (must order 2 per luminaire) SPA Square Pole Adapter Plate (must order 2 per luminaire) WBG Wire Basket Guard Factory installed options only

Luminaire (Above must be ordered separately)								
OSQM-	C							
Family	Size	Series	Lumen Package*	CRI / CCT	Gen	Voltage	Mount	Driver Options	Finish	Quantity
OSQ	4L Medium 3L Medium 2L Large 1L Large 1B Large 1A Large 1AW Large 1AWW Large 1AWWW Large	C Cree TrueWhite™ Technology	10K 10,000+ Lumens 7K 7,000+ Lumens 6K 6,000+ Lumens 5K 5,000+ Lumens 4K 4,000+ Lumens 3K 3,000+ Lumens 2K 2,000+ Lumens 1K 1,000+ Lumens Factory installed options only	20K7 2000K, 70 CRI 27K7 2700K, 70 CRI 30K7 3000K, 70 CRI 35K7 3500K, 70 CRI 40K7 4000K, 70 CRI 50K7 5000K, 70 CRI 57K7 5700K, 70 CRI 50K9 5000K, 90 CRI Factory installed options only	Gen 4 Gen 4	UNV Universal 120-277V 347 347V 480 480V Available with 4L, 3L, 2L, 1L, 1B sizes only	NM Non-Mounted RA Round Adapter SA Square Adapter RT Round Tenon ST Square Tenon Factory installed options only	Blank No Options DMG 0-10V dimming wires pigtailed out back of housing for use with external control (not provided) DCR Dimming, photocontrol, button type, receptacle Factory installed options only	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DSSXD Sandstone DDBTXD Textured Dark Bronze DBLBXD Textured Black DNATXD Textured Natural Aluminum DWHTXD Textured White DSSTXD Textured Sandstone	Blank One luminaire 2 Two luminaires at 180° 3 Three luminaires at 90° 4 Four luminaires at 90°	Blank No Options HS Houseside Shield (not available with SQ) SQ Square Pole Drilling (not available with HS) RPA Round Pole Adapter Plate (must order 2 per luminaire) SPA Square Pole Adapter Plate (must order 2 per luminaire) WBG Wire Basket Guard Factory installed options only

* Lumen Package codes identify approximate light output only. Actual lumen output levels vary by CCT and optic selection. Refer to Initial Delivered Lumens tables for specific lumen values.

OSQ-C Series Ambient Adjusted Lumen Maintenance*

Ambient	Initial LMF	25k hr Projected LMF	50k hr Projected LMF	75k hr Projected LMF	100k hr Projected LMF
5°C (41°F)	1.02	0.99	0.97	0.96	0.93
10°C (50°F)	1.02	0.99	0.98	0.97	0.97
15°C (59°F)	1.01	0.98	0.96	0.95	0.92
20°C (68°F)	1.00	0.97	0.95	0.94	0.92
25°C (77°F)	1.00	0.97	0.95	0.94	0.92

* Lumen maintenance values at 25°C (77°F) are projected per IES TM-21 based on IES LM-80 report data out to the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LMF) have been applied to all lumen maintenance factors. Please refer to the Cree Lighting Definitive Document for outdoor area/roadway luminaire ambient temperature factors.

** In accordance with IES TM-21, Reported values represent estimated lumen maintenance values at 60,000 hours of operation. Per IES TM-21 guidance, reported values cannot be projected for durations that are within six (6) times the in-situ test duration or 36,000 hours, whichever is less. The maximum reported value for this luminaire is 60,000 hours.

Estimated values are calculated and represent time durations that exceed the in-situ test duration of the LED.

US: cree@abdi.com (800) 236-6800
Canada: cree@electrosales.com (800) 473-1234

CREE LIGHTING

OSQ™ LED Area/Flood Luminaire featuring Patented NanoComfort™ Technology – Version C

Product Specifications

CREE LIGHTING NANOCOMFORT™ TECHNOLOGY

Cree Lighting's NanoComfort™ Technology ends the trade-off is in outdoor lighting by delivering the best of both worlds: visual comfort and energy efficiency. Cree's NanoComfort™ Technology (developed specifically for outdoor lighting) is the result of Cree's unique fusion of TrueWhite™ Technology (a cornerstone of Cree's indoor LED lighting portfolio) and TrueForm™ Technology (a set of optical capabilities that delivers the right light to the right place). Cree's NanoComfort™ Technology delivers the right color temperature, the right light distribution and the right amount of light to maximize visual comfort and energy efficiency, providing a better quality experience.

CREE LIGHTING SWITFIT™ TECHNOLOGY

A revolutionary way to specify high-quality white light, Cree SwitFit™ Technology is a combination of Cree TrueWhite™ Technology and Cree TrueForm™ Technology. SwitFit™ Technology's color calibration system ensures that, all white luminaires using SwitFit™ Technology will have a consistent appearance.

CONSTRUCTION & MATERIALS

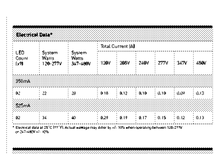
- Slim, low profile design maximizes wind load requirements
- Luminaire housing is rugged die cast aluminum with integral, weathertight LED driver compartment and high performance aluminum heat sinks specifically designed for LED applications
- Housing is rugged aluminum
- Furnished with low copper (<0.2%) weight mounting box designed for installation over standard and mud ring single gang J-Boxes
- Luminaire can also be direct mounted to a wall and surface wired
- Secures to wall with four 3/16" (5mm) screws (by others)
- Conduit entry from top, bottom, sides, and rear
- Allows mounting for uplight or downlight
- Designed and approved for easy through-wiring
- Includes toolless entry
- Exclusive ColorTrak EarthQuake® finish features an E-Coat epoxy primer with an ultraviolet resistant powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available
- **Weights:** See Dimensions and Weight Chart on pages 3 and 4

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class II drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load at 120V
- Integral 10kV surge suppression protection standard
- Where code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Consult factory if in-luminaire fusing is required

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy Americans requirements within ARRA
- RoHS compliant. Consult factory for additional details
- ⚠ CA RESIDENTS WARNING: Cancer and Reproductive Harm - www.p65warnings.ca.gov



Electrical Data*

LED Count (x10)	System Watts 120-277V	System Watts 347-480V	Total Current (A) 120V	208V	240V	277V	347V	480V
350mA								
02	22	20	0.18	0.12	0.10	0.09	0.07	0.05
525mA								
02	34	40	0.29	0.17	0.15	0.12	0.13	

* Electrical data at 25°C (77°F). As load wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%.

THE EDGE® Series Ambient Adjusted Lumen Maintenance*

Ambient	Initial LMF	25K hr Projected LMF	50K hr Projected LMF	75K hr Projected LMF	100K hr Projected LMF
5°C (41°F)	1.04	1.01	0.98	0.96	0.94
10°C (50°F)	1.03	1.00	0.99	0.97	0.95
15°C (59°F)	1.02	0.99	0.98	0.96	0.94
20°C (68°F)	1.01	0.98	0.97	0.95	0.93
25°C (77°F)	1.00	0.97	0.96	0.94	0.92

* 347-480V ships as magnetic step down transformer. For input power for 347-480V refer to the Electrical Data table.

US: cree@abdi.com (800) 236-6800
Canada: cree@electrosales.com (800) 473-1234

CREE LIGHTING

Cree Edge® Series Ambient Adjusted Lumen Maintenance*

Ambient	Initial LMF	25k hr Projected LMF	50k hr Projected LMF	75k hr Extrapolated* LMF	100k hr Extrapolated* LMF
5°C (41°F)	1.04	1.01	0.98	0.96	0.94
10°C (50°F)	1.03	1.00	0.98	0.97	0.95
15°C (59°F)	1.02	0.99	0.97	0.94	0.94
20°C (68°F)	1.01	0.98	0.96	0.95	0.93
25°C (77°F)	1.00	0.97	0.95	0.94	0.92

* Lumen maintenance values at 25°C (77°F) are projected per IES TM-21 based on LM-80 data and in-situ luminaire testing. Luminaire ambient temperature factors (LMF) have been applied to all lumen maintenance factors. Please refer to the Cree Lighting Definitive Document for outdoor area/roadway luminaire ambient temperature factors.

** In accordance with IES TM-21, Reported values represent estimated l