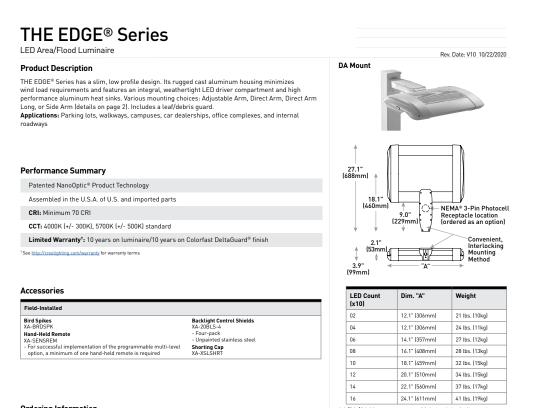








ADDITIONAL FIXTURE INFO



											16	24.1" (611mm)	41 lbs. [19kg]
		rmatio G-2M-AA-	n -12-E-UL-:	SV-350							AA/DL/SA Mount - se	e page	e 22 for weig	ht & dimensions
						E								
Product	Optic			Mounting*	LED Count (x10)	Series	Voltage	Color Op- tions	Drive Current	Options				
	Type II Medium 2MB Type II Medium w/BLS 2MP Type II Me- dium w/ Partial BLS 3M	Medium w/Partial BLS 4M Type IV Medium 4MB Type IV Medium	BLS 5M Type V	AA Adjustable Arm DA Direct Arm DL Direct Long Arm	02 04 06 08 10 12 14 16	E	UL Universal 120-277V UH Universal 347-480V	BZ Bronze SV	350 350mA 525 525mA 700 700mA - Available with 20- 60 LEDs	- Can't excee - Not availab F Fuse - Compatible (phase to n - Consult fac 240V or 48f - Refer to Ph - PML option - When code HL Hi/Low (Dua - Refer to HL - Sensor not P Photocell	others mming spec sheet for details d specified drive current le with PML options only with 120v, 277V or 347V eutral) N (phase to phase) H, spec sheet for availability with s dictates fusing, use time delay fuse LCircuit Input) spec sheef for details	R	10-30' Mount - Refer to PM - Intended for at 0° tilt NEMA® 3-Pin Receptacle - 3-pin recept - Not availabli- Intended for with maximu - Requires ph by others - Refer to PM availability v 4000K Color 1 - Minimum 70 - Minimum 70	L spec_sheet for details downlight applications Photocell acte per ANSI C136.10 with 5A mount downlight applications m 45° tilt otocell or shorting cap L spec_sheet for with PML options remperature
FLD- EDG	25 25° Flood 40 40° Flood	70 70° Flood SN Sign	N6 NEMA® 6	AA Adjustable Arm SA Side Arm - Available with 20-60 LEDs						PML option - Available w PML Programmal 20-40' Moun - Refer to PN	s ith UL voltage only ble Multi-Level,	TRL	- Available on - Lumen mult (350mA) - Power multi - 600nm domi - Additional si be required	iplier from 5700K: 0.32



CREE 🕏 LIGHTING

THE EDGE® LED Area/Flood Luminaire

Product Specifications

CONSTRUCTION & MATERIALS Slim, low profile, minimizing wind load requirements Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks

 DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-6" [76-152mm] square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" [51 mm] centers AA and SA mounts are rugged die cast aluminum and mount to 2" [51mm] IP, 2.375" [60mm] 0.D. tenons Includes leaf/debris guard

 Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy prime with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available • Weight: See Dimensions and Weight Charts on pages 1 and 22

ELECTRICAL SYSTEM• Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers Power Factor: > 0.9 at full load • Total Harmonic Distortion: < 20% at full load

 DA and DL mounts designed with integral weathertight el with terminal strips (12Ga-20Ga) for easy power hookup Integral 10kV surge suppression protection standard When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address insuch current.

Maximium 10V Source Current: 20 LED [350mA]: 10mA; 20 LED [525 & 700mA] and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA REGULATORY & VOLUNTARY QUALIFICATIONS

Meets Buy American requirements within ARRA

• CA RESIDENTS WARNING: Cancer and Reproductive Harm – www.p65warnings.ca.gov

 Suitable for wet locations Enclosure rated IP66 per IEC 60529 when ordered without P or R options Consult factory for CE Certified products

 Certified to ANSI C136.31-2001, 3G bridge and overpass vibration

 Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117 DLC qualified with select SKUs. Refer to https://www.designlights.org/search/ for most current information

LED Count	System Watts	Total Cur	rent (A)				
(x10)	120-480V	120V	208V	240V	277V	347V	480V
350mA							
02	25	0.21	0.13	0.11	0.10	0.08	0.07
04	46	0.36	0.23	0.21	0.20	0.15	0.12
06	66	0.52	0.31	0.28	0.26	0.20	0.15
08	90	0.75	0.44	0.38	0.34	0.26	0.20
10	110	0.92	0.53	0.47	0.41	0.32	0.24
12	130	1.10	0.63	0.55	0.48	0.38	0.28
14	158	1.32	0.77	0.68	0.62	0.47	0.35
16	179	1.49	0.87	0.77	0.68	0.53	0.39
525mA							
02	37	0.30	0.19	0.17	0.16	0.12	0.10
04	70	0.58	0.34	0.31	0.28	0.21	0.16
06	101	0.84	0.49	0.43	0.38	0.30	0.22
08	133	1.13	0.66	0.58	0.51	0.39	0.28
10	171	1.43	0.83	0.74	0.66	0.50	0.38
12	202	1.69	0.98	0.86	0.77	0.59	0.44
14	232	1.94	1.12	0.98	0.87	0.68	0.50
16	263	2.21	1.27	1.11	0.97	0.77	0.56
700mA							
02	50	0.41	0.25	0.22	0.20	0.15	0.12
04	93	0.78	0.46	0.40	0.36	0.27	0.20
06	134	1.14	0.65	0.57	0.50	0.39	0.29

Ambient	сст	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Estimated ³ LMF	100K hr Estimated ³ LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.01	0.99	0.98	0.96
5 C [41 F]	TRL	1.06	1.06	1.06	1.06	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.00	0.98	0.97	0.95
	TRL	1.04	1.04	1.04	1.04	1.04
15°C (59°F)	30K/40K/50K/57K	1.02	0.99	0.97	0.96	0.94
15 C (57 F)	TRL	1.03	1.03	1.03	1.03	1.03
20°C [68°F]	30K/40K/50K/57K	1.01	0.98	0.96	0.95	0.93
20 C (68 F)	TRL	1.01	1.01	1.01	1.01	1.01
25°C (77°F)	30K/40K/50K/57K	1.00	0.97	0.95	0.94	0.92
25 C [77 F]	TRL	1.00	1.00	1.00	1.00	1.00
ackage and in-s naintenance fact onditions. In accordance v up to 6x the teste	ance values at 25°C (77 itu luminaire testing. Lu tors. Please refer to the with IES TM-21, Reporter d duration in the IES LM es are calculated and reg	minaire am Temperatur I values rep I-80 report I	bient temperatur e Zone Reference resent interpolate for the LED.	e factors (LATF) Document for o	have been applied utdoor average ni on time durations	I to all lumen ghttime ambien that are

CREE \$ LIGHTING

ADDITIONAL FIXTURE INFO

304 Series™ LED Recessed Canopy Luminaire RS Mount Product Description Luminaire housing is constructed from rugged die cast aluminum components (RS Mount) or die cast and extruded aluminum components (RD Mount). LED driver is mounted in a sealed weathertight center chamber that allows for access from below the fixture. Luminaire mounts directly to the canopy deck and is secured in place with die cast aluminum trim frame. Luminaire housing is provided with factory applied foam gasket that provides a watertight seal between luminaire housing and canopy deck. Suitable for use in single or double skin canopies with 16" (406 mm) wide panels. Designed for canopies of 19-22 gauge [maximum 0.040" [1 mm] 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 Colorfast DeltaGuard® finish Programmable Multi-level Sensor location (ordered as an option)

								Weight
	j Informat AN-304-5M-R		V-350					22.0 lbs. [9.9kg]
CAN-304				E				
Product	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
CAN-304	5M Type V Medium 55 Type V Short PS Petroleum Symmetric SL Sparkle Petroleum	RS Recessed Single Skin RD Recessed Double Skin	04 06	E	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	350 350mA 525 525mA 700° 700mA	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current Fuse - Compatible only with 120V, 277V or 347V [phase to neutral] - Consult factory if fusing is required for 208V, 240V or 480V [phase to phase] - Refer to PML spec sheet for availability with PML options - When code dictates fusing, use time delay fuse PMI Programmable Multi-Levet - Refer to PML spec sheet for details 40K 400K Color Temperature - Minimum 70 CRI - Color temperature per luminaire TR. Amber Turtle Friendly LEDs - Available only with 550mA - Lumen multiplier from 5700K: 0.32 (350mA) - Power multiplier on 7500K: 0.35 (350mA) - Power mountiplier on 7500K: 0.36 (350mA) - Additional shielding [by others] may be required for Florida Fish and Wildlife Conservation Commission compliance



CREE
LIGHTING

304 Series™ LED Recessed Canopy Luminaire

CONSTRUCTION & MATERIALS RS Mount luminaire housing is constructed from rugged die cast aluminum and incorporates integral, high performance heatsink fins specifically designed for LED canopy applications

RD Mount luminaire housing is constructed from rugged die cast aluminum and features high performance extruded aluminum heatsinks specifically designed for LED canopy applications

 LED driver is mounted in a sealed weathertight center chamber that allows for access from below the luminaire Field adjustable drive current between 350mA, 525mA and 700mA on Non-IC rated luminaires

 Luminaire housing provided with factory applied foam gasket and provides for a watertight seal between luminaire housing and canopy Mounts directly to the canopy deck and is secured in place with a die RS mount includes integral junction box which allows ease of installation without need to open luminaire

 Designed for canopies of 19-22 gauge [maximum 0.040" [1mm]
 thickness.] • See 228 Series™ canopy luminaires for canopies using 12" (305mm)

Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver,

ELECTRICAL SYSTEM • Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers • Power Factor: > 0.9 at full load • Total Harmonic Distortion: < 20% at full load Integral weathertight electrical box with terminal strips [12Ga-20Ga] for easy power hookup

 Integral 10kV surge suppression protection standard When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current 10V Source Current: 0.15mA REGULATORY & VOLUNTARY QUALIFICATIONS

 Suitable for wet locations Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Enclosure meets IP66 requirements per IEC 60529

 ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI C62.41.2 DLC qualified with select SKUs. Please refer to <u>www.designlights.org</u> for RoHS Compliant. Consult factory for additional details

onditions.

In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are pt to &x the tested duration in the IES LM-80 report for the LED.

Estimated values are adjusted and propresent time durations that averaged the &x test duration of the LED.

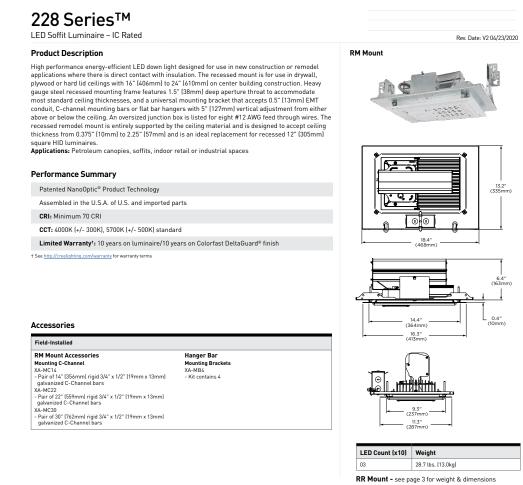
Electrical Data*
 0.39
 0.24
 0.22
 0.21
 0.15
 0.12

 0.57
 0.34
 0.30
 0.27
 0.21
 0.16
 71 0.59 0.35 0.31 0.28 0.21 0.16 101 0.84 0.49 0.43 0.38 0.30 0.22 Suitable for use in single (RS Mount) or double (RD Mount) skin canopies with 16" (406mm) wide panels
 104 94 0.79 0.46 0.40 0.36 0.28 0.21 06 135 1.14 0.65 0.57 0.50 0.40 0.29 * Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V

Ambient	ССТ	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Estimated ³ LMF	100K hr Estimat LMF
5°C	30K/40K/50K/57K	1.04	1.01	0.99	0.98	0.96
(41°F)	TRL	1.06	1.06	1.06	1.06	1.06
10°C	30K/40K/50K/57K	1.03	1.00	0.98	0.97	0.95
(50°F)	TRL	1.04	1.04	1.04	1.04	1.04
15°C	30K/40K/50K/57K	1.02	0.99	0.97	0.96	0.94
(59°F)	TRL	1.03	1.03	1.03	1.03	1.03
20°C	30K/40K/50K/57K	1.01	0.98	0.96	0.95	0.93
(68°F)	TRL	1.01	1.01	1.01	1.01	1.01
25°C	30K/40K/50K/57K	1.00	0.97	0.95	0.94	0.92
(77°F)	TRL	1.00	1.00	1.00	1.00	1.00

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ADDITIONAL FIXTURE INFO



							03	28.7 lbs. (13.0kg)
-	Information -228-SL-RM-03-E-UL-WH	-350				İ	RR Mount - see	page 3 for weight & dimensions
SFT-228			03	E			350	IC
Product	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
SFT-228	SL Sparkle Petroleum PS Petroleum Symmetric	RM Recessed RR Recessed Remodel	03	E	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze WH White	350 350mA	IC IC Rated 40K 4000K Color Temperature - Color temperature per luminaire - Minimum 70 CRI

Electrical Data*



CREE \$\dightarrow\$ LIGHTING

nt System Watts 120-480V 120V 208V 240V 277V 347V 480V

34 0.30 0.19 0.18 0.20 0.11 0.09

228 Series™ LED Soffit Luminaire – IC Rated

Product Specifications CONSTRUCTION & MATERIALS

Luminaire sides are rugged die cast aluminum with high performance extruded aluminum heat sinks specifically designed for high power LEDs, factory assembled to the trim and wired to the driver
 Driver compartment is constructed of anodized extruded aluminum for exceptional thermal performance

Exclusive Colorfast DeltaGuard[®] finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze and white

• Weight: See Weight Chart on pages 1 and 3

 High performance energy-efficient LED down light, designed for use in new construction applications with drywall, plywood or hard lid ceilings and 16" (406mm) to 24" (610mm) on center building construction Heavy gauge steel recessed mounting frame features 1.5" [38mm] deep aperture throat to accommodate most standard ceiling thicknesses, and a universal mounting bracket that accepts 0.5" [13mm] EMT conduit, C-channel mounting bars or flat bar hangers with 5" [127mm] vertical adjustment from either above or below the ceiling includes an oversized junction box is listed for eight #12 AWG feed through wires

High performance energy-efficient LED down light, designed for remodel application

10°C (50°F)

15°C (50°F)

15°C (50°F)

 Entirely supported by the ceiling material and is designed to fit through 12" [305mm] x 12" [305mm] opening
 Accepts ceiling thicknesses from 0.375" [10mm] to 2.25" [57mm] An ideal replacement for 12" (305mm) x 12" (305mm) recessed HID ELECTRICAL SYSTEM • Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers Power Factor: > 0.9 at full load

• Total Harmonic Distortion: < 20% at full load Integral 10kV surge suppression protection standard To address inrush current, slow blow fuse or type C/D breaker should be used

REGULATORY & VOLUNTARY QUALIFICATIONS

Meets Buy American requirements within ARRA

CA RESIDENTS WARNING: Cancer and Reproductive Harm -

 Suitable for wet locations under covered ceilings Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Consult factory for CE Certified products

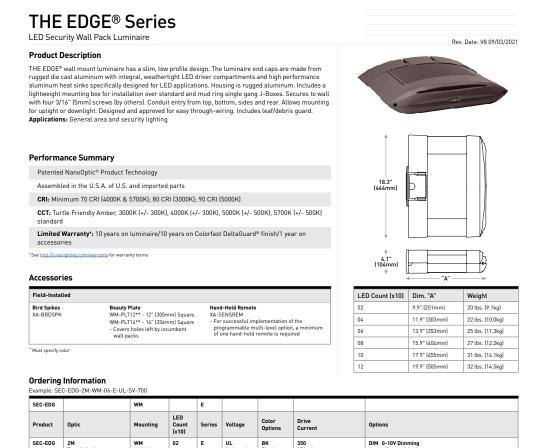
 Type IC in accordance with Article 410 of the NEC and UL 1598, suitable for direct contact with insulation RM mount listed for eight #12 AWG, 75°C rated through branch circuit

 ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117

packaged LED chip]
'In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA
LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip)

228 Series™ Ambient Adjusted Lumen Maintenance1

ADDITIONAL FIXTURE INFO



SEC-EDG		WM		E				
Product	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
SEC-EDG	2M Type II Medium 2MB Type II Medium w/BLS 2SE Type II Short 2SB Type II Short w/BLS 3M Type III Medium 3MB Type III Medium w/BLS 4M Type IV Medium 4MB Type IV Medium w/BLS	WM Wall Mount	02 04 06 08 10 12	E	UL Universal 120-277V UH Universal 347-480V 347	BK Black BZ Bronze SV Silver WH White	350 mA 525 mA - Available with 20-80 LEDs 700 mA - Available with 20-60 LEDs	DIM 0-10V Dimming Control by others Refer to Dimming and sheet for details Dimming and sheet for a consult factory if fusing is required for 208V, 240V of 480V (phase to phase) Refer to PML space sheet for availability with PML options When code dictates fusing, use time delay fuse P Photocell Must specify UL or 34 voltage PML Programmable Mutit-Lord applications Intended for downlight applications with 0° titl 30X 300K Color Temperature Minimum 80 CRI Color temperature per luminaire Minimum 70 CRI Color temperature pulmaire Minimum 70 CRI Color temperature per uminaire Minimum 70 CRI Minimum 90 CRI Color temperature per uminaire Tolor temperature per uminaire



CREE \$\DECE\text{LIGHTING}^*

THE EDGE® LED Security Wall Pack Luminaire

Product Specifications

CONSTRUCTION & MATERIALS Slim, low profile design Luminaire sides are 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, light 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)

 Allows mounting for uplight or downlight Designed and approved for easy through-wiring Includes leaf/debris quard

 Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available Weight: See Dimensions and Weight Chart on page 1

 ELECTRICAL SYSTEM
 Input Voltage: 120–277V or 347–480V, 50/60Hz, Class 1 drivers • Power Factor: > 0.9 at full load

• Total Harmonic Distortion: < 20% at full load Integral weathertight J-Box with leads (wire nuts) for easy power hook

 Integral 10kV surge suppression protection standard When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
 Maximum 10V Source Current; 20 LED (350mA): 10mA; 20LED (525 & 700 mA) and 40-120 LED: 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS

Suitable for wet locations

. Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Enclosure rated IP66 per IEC 60529 when ordered without P or PML

 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

 DLC qualified with select SKUs. Refer to https://www.designlights.org/search/ for most current information Meets Buy American requirements within ARRA

LED		System	Total Current (A)						
Count (x10)	CCT	Watts 120-480V	120V	208V	240V	277V	347V	1	
350mA	·								
02	30K/40K/50K/57K	25	0.21	0.13	0.11	0.10	0.08	T	
02	TRL	19	0.16	0.09	0.08	0.07	0.05	0	
04	30K/40K/50K/57K	46	0.36	0.23	0.21	0.20	0.15	0	
04	TRL	35	0.29	0.17	0.15	0.13	0.10	0	
06	30K/40K/50K/57K	66	0.52	0.31	0.28	0.26	0.20	1	
06	TRL	50	0.41	0.24	0.21	0.18	0.14	0	
08	30K/40K/50K/57K	90	0.75	0.44	0.38	0.34	0.26	0	
UB	TRL	68	0.57	0.33	0.28	0.25	0.20	0	
10	30K/40K/50K/57K	110	0.92	0.53	0.47	0.41	0.32	1	
10	TRL	83	0.69	0.40	0.35	0.30	0.24	0	
12	30K/40K/50K/57K	130	1.10	0.63	0.55	0.48	0.38	Г	
12	TRL	99	0.82	0.48	0.41	0.36	0.28	0	
525mA									
02	30K/40K/50K/57K	37	0.30	0.19	0.17	0.16	0.12	1	
04	30K/40K/50K/57K	70	0.58	0.34	0.31	0.28	0.21	0	
06	30K/40K/50K/57K	101	0.84	0.49	0.43	0.38	0.30	0	
08	30K/40K/50K/57K	133	1.13	0.66	0.58	0.51	0.39	0	
700mA									
02	30K/40K/50K/57K	50	0.41	0.25	0.22	0.20	0.15	T	
04	30K/40K/50K/57K	93	0.78	0.46	0.40	0.36	0.27	0	
06	30K/40K/50K/57K	134	1.14	0.65	0.57	0.50	0.39	1	

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

Ambient	сст	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² / Estimated ³ LMF	100K hr Estimated ³ LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.03	1.03	1.03 ²	1.03
5 C [41 F]	TRL	1.06	1.06	1.06	1.063	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.02	1.02	1.022	1.02
	TRL	1.04	1.04	1.04	1.043	1.04
	30K/40K/50K/57K	1.02	1.01	1.01	1.012	1.01
15°C (59°F)	TRL	1.03	1.03	1.03	1.033	1.03
	30K/40K/50K/57K	1.01	0.99	0.99	0.992	0.99
20°C (68°F)	TRL	1.01	1.01	1.01	1.013	1.01
0500 (5505)	30K/40K/50K/57K	1.00	0.98	0.98	0.982	0.98
25°C (77°F)	TRL	1.00	1.00	1.00	1.00 ³	1.00

In accordance with IES TM-21, Reported values represent interpolated values based p to 6x the tested duration in the IES LM-80 report for the LED.

US: creelighting.com (800) 236-6800 Canada: creelighting-canada.com (800) 473-1234

US: creelighting.com (800) 236-6800 Canada: creelighting-canada.com [800] 473-1234

Meets Buy American requirements within ARRA

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

US: creelighting.com (800) 236-6800 Canada: creelighting-canada.com (800) 473-1234

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