

CTL SERIES

High Lumen Output Cutlass LED Area Light



SERIES	HOUSING HEIGHT	LENGTH & WIDTH	EPA (FT²)
CTL	4.45"	17.25" x 12.26"	1.4

Catalog Number	
Project	Type

FEATURES & SPECIFICATIONS

APPLICATION — The Cutlass Series of high output LED luminaires are designed to be a replacement for HID area lights. It is optimal for lighting applications where long life, low maintenance, and consistent color rendering is required. Areas with limited accessibility due to fixture location or where heavy pedestrian or vehicle traffic makes maintenance difficult are ideal applications. The high wattage/lumen output allows the fixture to be used for parking, restaurant, quick service, shopping centers, or general area lighting applications.

CONSTRUCTION — The heavy-duty housing is constructed of cast aluminum with heat dissipating fins. The optical assemblies are sealed in place using a silicone gasket for weather tight protection. Modular LED system for ease of maintenance. ETL listed for wet locations (IP65). Each fixture can accommodate advanced wireless control, management and reporting systems for outdoor lighting when ordered with the CTLARM mounting (required).

FINISH — A corrosion-resistant epoxy E-Coat layer that forms a uniform and all-encompassing protective barrier is applied to the fixtures prior to electrostatically applying a super durable powder coat finish. Standard colors available: Black, Bronze, US Green, White. Custom colors available upon request.

OPTICAL SYSTEM — Made with a state of the art UV stabilized acrylic high performance refractive optical assemblies that use high transmissivity materials to achieve precise photometric distributions. Available in Type II, III, IV, IV Automotive, Automotive Frontline Wide, IV Tennis, V Medium and V Wide beam configurations. Star Light Friendly (meets or exceeds Dark Sky requirements) in the horizontal position.

ELECTRICAL SYSTEM — Available in up to a 60,000 lumens output LED system in 5000K Cool White (+/- 500K), 4000K Neutral White or 3000K Warm White color temperatures. Available with 120-277V 50/60 Hz power supply. LED's rated for over 50,000 hours at 25°C ambient temperature. 480V and 347V input option available. 0-10V dimming. Built-in surge protection up to 10 kV. Built-in Active PFC Function

>95%/Full load. LED Power Supply conforms to UL8750 standards.

MOUNTING — Proprietary slide-on mounting system allows for quick installation. The CTL can be ordered with a 2" adjustable slip fitter (CTL2AF) for mounting on a standard 2-3/8" OD tenon and an entire compliment of pole brackets with integrated quick mount technology. CTLSM for direct mounting to poles in single (1 @ 90°) or D180 (2 @ 180°).

LISTINGS — Complies with UL8750. ETL listed for wet locations. Meets US and Canadian safety standards. -40°C to 50°C ambient operation. RoHS Compliant.

WARRANTY — The complete luminaire is covered by a 5-year limited warranty.

ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

EXAMPLE:

CTLC60LT5M1-BZ

CTL						
SERIES	COLOR TEMP	NOMINAL LUMENS	OPTICS	VOLTAGE	OPTIONS	FINISH
	C = Cool White (5000K) N = Neutral White (4000K) W = Warm White (3000K)	5L = 5,000 Lumens 8L = 8,000 Lumens 10L = 10,000 Lumens 12L = 12,000 Lumens 15L = 15,000 Lumens 20L = 20,000 Lumens 25L = 25,000 Lumens 30L = 30,000 Lumens 35L = 35,000 Lumens 40L = 40,000 Lumens 45L = 45,000 Lumens 50L = 50,000 Lumens 55L = 55,000 Lumens 60L = 60,000 Lumens	T2 = Type II T3 = Type III T4 = Type IV FAW = Frontline Auto Wide T4T = Type IV Tennis T5M = Type V Medium T5W = Type V Wide	1 = Multi-Volt ¹ 2 = 347-480V (HV)	PCR7⁶ = 7 Pin Twist-Lock Photocell Receptacle ANSI C136.41 & Receptacle Shorting Cap	BZ = Bronze BK = Black GR = US Green WH = White SP = Special ²

ACCESSORIES (Order as separate line items)

CTL2AF^{7,8} 2" Adjustable Slip Fitter

NOTES

¹ = Multi-Volt is an auto ranging power supply from 100V to 300V input.

⁸ = Do not tilt the CTL more than 45 degrees upward from horizontal when using the CTL2AF & CTLB15



DesignLights Consortium® Qualified. Please go to www.designlights.org for the current Qualified Products List. Further details about qualified models may be found under Family Models.

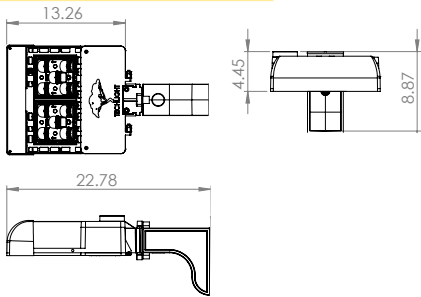


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AVAILABLE FIXTURE DIMENSIONS

Dimensions shown are for fixture bodies only. Mounting options must be ordered separately. Fixture shown with arm sold seperately.

Dimensions shown for 5L - 20L Brick Unit



FIXTURE & MOUNTING ACCESSORIES

CTL2AF[®]
2" Adjustable Slip Fitter
with Slide Mount Adapter

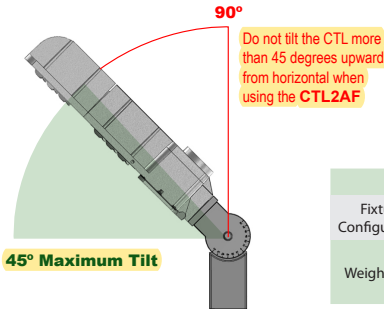
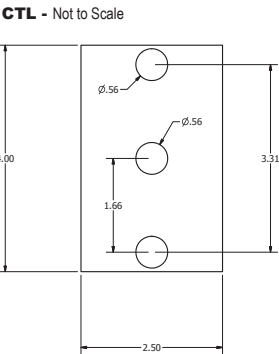


EPA RATINGS (ft²)

Fixture Configuration	ARM MOUNT		
	2 Brick EPA's ¹⁰	4 Brick EPA's ¹⁰	6 Brick EPA's ¹⁰
	CTLAM		
 1 @ 90°	0.8	0.9	1.1
 2 @ 180°	1.5	1.7	2.1
 2 @ 90°	1.4	1.5	1.7
 3 @ 90°	2.1	2.3	2.6
 4 @ 90° or 4 @ 70°	2.2	2.5	2.9

¹⁰ EPA's shown include both the fixture and the mounting apparatus.

DRILL TEMPLATE



FIXTURE WEIGHTS (APPROX)			
Fixture Configuration	2 Brick	4 Brick	6 Brick
Weight (lbs)	14 lbs	20 lbs	28 lbs

CTL

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LUMINAIRE CHARACTERISTICS

Cool White

Output ID	Nominal Lumens	Delivered Lumens							System Wattage	L70 @ 25°C	Amperage Draw					
		TYPE II	TYPE III	TYPE IV	TYPE 4T	FAW	TYPE 5M	TYPE 5W			120V	208V	240V	277V	347V	480V
5L	5,000	4729 B1 U0 G1	5163 B1 U0 G1	4778 B1 U0 G1	5105 B1 U0 G0	4752 B1 U0 G1	5280 B2 U0 G0	4879 B3 U0 G1	43	>50K	0.36	0.21	0.18	0.16	0.13	0.09
8L	8,000	7948 B2 U0 G2	8608 B2 U0 G2	8021 B2 U0 G2	8576 B2 U0 G1	7958 B1 U0 G1	8924 B3 U0 G0	8184 B3 U0 G2	68	>50K	0.57	0.33	0.29	0.25	0.19	0.14
10L	10,000	11354 B2 U0 G2	12297 B3 U0 G3	11458 B3 U0 G3	12251 B3 U0 G1	11369 B2 U0 G2	12749 B3 U0 G0	11692 B4 U0 G2	86	>50K	0.73	0.42	0.36	0.32	0.25	0.18
12L	12,000	13246 B3 U0 G3	14346 B3 U0 G3	13368 B3 U0 G3	14293 B3 U0 G1	13263 B2 U0 G2	14874 B3 U0 G1	13641 B4 U0 G2	104	>50K	0.88	0.51	0.44	0.38	0.30	0.22
15L	15,000	12915 B2 U0 G2	13988 B3 U0 G3	13034 B3 U0 G3	13937 B3 U0 G1	12932 B2 U0 G2	14503 B3 U0 G1	13300 B4 U0 G2	130	>50K	1.09	0.63	0.54	0.47	0.30	0.22
20L	20,000	17467 B3 U0 G3	19085 B3 U0 G3	17682 B3 U0 G3	18829 B3 U0 G2	17544 B3 U0 G3	19674 B4 U0 G1	18043 B5 U0 G3	150	>50K	1.27	0.73	0.63	0.55	0.43	0.31
25L	25,000	26492 B3 U0 G3	28693 B3 U0 G4	26736 B4 U0 G4	28587 B4 U0 G2	26527 B3 U0 G3	29748 B5 U0 G1	27281 B5 U0 G4	207	>50K	1.76	1.02	0.88	0.76	0.60	0.43
30L	30,000	25831 B3 U0 G3	27976 B3 U0 G4	26069 B3 U0 G4	27873 B4 U0 G2	25865 B3 U0 G3	29006 B5 U0 G1	26600 B5 U0 G3	261	>50K	2.18	1.26	1.09	0.94	0.60	0.43
35L	35,000	30888 B3 U0 G3	33651 B4 U0 G4	31194 B4 U0 G4	33409 B4 U0 G2	31088 B3 U0 G3	34657 B5 U0 G1	31839 B5 U0 G4	288	>50K	2.40	1.39	1.20	1.04	0.83	0.60
40L	40,000	33971 B4 U0 G4	37117 B4 U0 G5	34390 B4 U0 G4	36621 B4 U0 G2	34120 B3 U0 G4	38264 B5 U0 G1	35091 B5 U0 G4	299	>50K	2.54	1.46	1.27	1.10	0.86	0.62
45L	45,000	38746 B4 U0 G4	41965 B4 U0 G5	39103 B4 U0 G5	41810 B4 U0 G2	38797 B4 U0 G4	43508 B5 U0 G1	39900 B5 U0 G4	311	>50K	3.26	1.88	1.63	1.41	0.90	0.65
50L	50,000	43976 B4 U0 G4	47910 B4 U0 G5	44413 B5 U0 G5	47567 B4 U0 G2	44262 B4 U0 G4	49344 B5 U0 G2	45331 B5 U0 G5	421	>50K	3.51	2.02	1.75	1.52	1.21	0.88
55L	55,000	47467 B4 U0 G5	51714 B4 U0 G5	47938 B4 U0 G5	51343 B5 U0 G3	47776 B4 U0 G4	53261 B5 U0 G2	48930 B5 U0 G5	437	>50K	3.64	2.10	1.82	1.58	1.26	0.91
60L	60,000	50931 B4 U0 G4	55648 B4 U0 G5	51559 B4 U0 G5	54904 B5 U0 G3	52631 B4 U0 G5	57367 B5 U0 G2	52610 B5 U0 G5	465	>50K	3.88	2.24	1.94	1.68	1.35	0.97

Neutral White

Output ID	Nominal Lumens	Delivered Lumens							System Wattage	L70 @ 25°C	Amperage Draw					
		TYPE II	TYPE III	TYPE IV	TYPE 4T	FAW	TYPE 5M	TYPE 5W			120V	208V	240V	277V	347V	480V
5L	5,000	4539 B2 U0 G3	4955 B3 U0 G3	4586 B3 U0 G3	4900 B3 U0 G1	4561 B2 U0 G2	5068 B3 U0 G1	4683 B3 U0 G2	43	>50K	0.36	0.21	0.18	0.16	0.13	0.09
8L	8,000	6753 B2 U0 G3	7371 B3 U0 G3	6821 B3 U0 G3	7288 B3 U0 G1	6783 B2 U0 G2	7536 B3 U0 G1	6964 B3 U0 G2	68	>50K	0.57	0.33	0.29	0.25	0.20	0.15
10L	10,000	9069 B3 U0 G3	9899 B3 U0 G3	9160 B3 U0 G3	9788 B3 U0 G2	9109 B3 U0 G2	10121 B3 U0 G1	9352 B3 U0 G2	93	>50K	0.78	0.45	0.39	0.34	0.27	0.20
12L	12,000	10580 B3 U0 G3	11549 B3 U0 G3	10687 B3 U0 G3	11419 B3 U0 G2	10628 B3 U0 G3	11808 B4 U0 G1	10911 B4 U0 G2	108	>50K	0.90	0.52	0.45	0.39	0.32	0.23
15L	15,000	12697 B3 U0 G3	13859 B3 U0 G3	12824 B3 U0 G3	13703 B3 U0 G2	12753 B3 U0 G3	14170 B4 U0 G1	13094 B4 U0 G2	135	>50K	1.13	0.65	0.57	0.49	0.39	0.29
20L	20,000	16507 B3 U0 G3	18017 B3 U0 G3	16672 B3 U0 G3	17815 B3 U0 G2	16580 B3 U0 G3	18422 B4 U0 G1	17022 B5 U0 G3	159	>50K	1.33	0.77	0.67	0.58	0.46	0.34
25L	25,000	21418 B3 U0 G3	23379 B3 U0 G4	21634 B4 U0 G4	23116 B4 U0 G2	21514 B3 U0 G3	23904 B5 U0 G1	22088 B5 U0 G3	220	>50K	1.84	1.06	0.92	0.80	0.64	0.46
30L	30,000	25392 B3 U0 G3	27716 B3 U0 G4	25647 B4 U0 G4	27404 B4 U0 G2	25506 B3 U0 G3	28339 B5 U0 G1	26186 B5 U0 G4	265	>50K	2.21	1.28	1.11	0.96	0.77	0.56
35L	35,000	30025 B3 U0 G3	32772 B3 U0 G4	30326 B4 U0 G4	32404 B4 U0 G2	30159 B3 U0 G3	33509 B5 U0 G1	30963 B5 U0 G4	294	>50K	2.45	1.42	1.23	1.07	0.85	0.62
40L	40,000	34482 B4 U0 G5	37638 B4 U0 G5	34829 B4 U0 G4	37215 B4 U0 G2	34636 B4 U0 G5	38484 B5 U0 G2	35560 B5 U0 G4	320	>50K	2.67	1.54	1.34	1.16	0.93	0.67
45L	45,000	38431 B4 U0 G5	41948 B4 U0 G5	38817 B5 U0 G5	41476 B5 U0 G3	38602 B4 U0 G5	42891 B5 U0 G2	39632 B5 U0 G5	400	>50K	3.34	1.93	1.67	1.45	1.16	0.84
50L	50,000	42633 B4 U0 G5	46535 B4 U0 G5	43061 B5 U0 G5	46011 B5 U0 G3	42823 B4 U0 G5	47581 B5 U0 G2	43965 B5 U0 G5	424	>50K	3.54	2.04	1.77	1.54	1.23	0.89
55L	55,000	47245 B4 U0 G5	51568 B5 U0 G5	47719 B5 U0 G5	50988 B5 U0 G3	47456 B4 U0 G5	52728 B5 U0 G2	48721 B5 U0 G5	455	>50K	3.80	2.19	1.90	1.65	1.32	0.95
60L	60,000	51723 B4 U0 G5	56457 B5 U0 G5	52243 B5 U0 G5	55822 B5 U0 G4	51954 B5 U0 G5	57726 B5 U0 G2	53339 B5 U0 G5	465	>50K	3.88	2.24	1.94	1.68	1.35	0.97

WARNING: Maintenance performed including the replacement of LED bricks while power is still supplied to the luminaire may result in system failures and will void the warranty.