



TECHLIGHT
INNOVATION IN ILLUMINATION

Catalog Number

Project

Type

FEATURES & SPECIFICATIONS

APPLICATION — The Cutlass Series of high output LED luminaires are designed for new outdoor parking area lighting and to be a replacement for HID area lights. They are optimal for lighting applications where long life, low maintenance, and consistent color rendering is required. The high efficient/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. ETL listed for wet locations (IP65). Each fixture can accommodate advanced wireless control, management and reporting systems for outdoor lighting when ordered with the optional accessories (verify compatibility if using controls supplied by others) such as 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, 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 70,000 LED lumens in most optical distributions with either 5000K Cool White (+/- 500K), 4000K Neutral White or 3000K Warm White color temperatures. LED's rated for over 50,000 hours at 25°C ambient temperature. Available with 120-277V 50/60 Hz power supply. 480V and 347V input option or 0-10V dimming. Built-in surge protection up to 10 kV. Built-in Active PFC Function LED driver conforms to UL8750 standards.

CTL SERIES

High Lumen Output Cutlass LED Area Light



Picture shows:
CTL 45 - 70L w/ CTLARM

SERIES	HOUSING HEIGHT	LENGTH & WIDTH	EPA (FT²)
CTL	4.44"	23.53" x 12.00"	1.1

MOUNTING — Proprietary slide-on mounting system allows for quick installation. The CTL can be ordered with an aesthetically pleasing arm mount (CTLARM – required for integrating dynamic control systems), a 2" adjustable slip fitter (CTL2AF) for mounting on a standard 2-3/8" OD tenon and an entire complement 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:

CTL C 60L T5M 1 BZ

CTL						
SERIES	COLOR TEMP	NOMINAL LUMENS	OPTICS	VOLTAGE	FINISH	OPTIONS
	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 65L ^{9,11} = 65,000 Lumens 70L ^{9,11} = 70,000 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)	BZ = Bronze BK = Black GR = US Green WH = White SP = Special ²	PCR7 ⁶ = 7 Pin Twist-Lock Photocell Receptacle ANSI C136.41 & Receptacle Shorting Cap 2AF ^{7,8} = 2" Adjustable Slip fitter DLP ¹⁰ = Dimming Leads Pulled HOEB ¹² = LED Battery Pack, 90 min

ACCESSORIES (Order as separate line items. Specify finish for accessories.)

- PC2** 480V Twist-Lock Photocell
- PC7** Multi-Tap (105-285V) Twist-Lock Photocell
- CTLARM**⁷ Decorative Arm Mount (0.3 EPA, 3.5 lbs)
- CTLSM**^{3,7} Slide Mount Adaptor
- CTLB15**⁸ Adjustable Yoke Mount with Slide Adaptor
- CTLARMR** Decorative Arm Mount for Round Poles (0.3 EPA, 3.7 lbs)
- CTLRMFSP**¹⁰ Arm with Integrated PIR Motion Sensor
- S215**⁴ Angled Back Light Shield
- S219**⁵ Large Angled Back Light Shield
- TLWSFSIR-100** Remote Handheld Sensor Configuration Tool
- TLWSFSP-L2** 360° lens, maximum coverage 48" diameter from 8' height
- TLWSFSP-L3** 360° lens, maximum coverage 40" diameter from 20' height
- TLWSFSP-L4** 360° lens, maximum coverage 60" diameter from 40' height
- TLWSFSP-L7** 360° lens, maximum coverage 100' diameter from 40' height
- CTLHT238** Horizontal 2-3/8" OD Tenon Mount
- VBWM** Wall Mount Adaptor

NOTES

- ¹ = Multi-Volt is an auto ranging power supply from 100V to 300V input.
- ² = Custom RAL color matching is available. Contact your sales representative for additional info.
- ³ = Slide mount adaptor for direct pole mounts cannot be used when mounting fixtures at 90° increments.
- ⁴ = Requires one S215 for 5L-20L units; two S215 for 25L-40L units. For 45L, please see Lumen Characteristics chart for details.
- ⁵ = Requires one S219 for 50L-60L units. For 45L, please see Lumen Characteristics chart for details.
- ⁶ = PCR7 photocell receptacle must be oriented in the field so that the light sensor on the control is facing North. When used with the CTL2AF, the fixture must be in a downward facing position (<90° tilt). Use of the PCR7 with a fixture in an upward facing position will void warranty.
- ⁷ = Accessory mounting device must be ordered for each cutlass luminaire to provide mounting means.
- ⁸ = **Do not tilt the CTL more than 45 degrees upward from horizontal when using the CTL2AF & CTLB15**
- ⁹ = Only available in certain optics and wattages. See LUMINAIRE CHARACTERISTICS chart for details.
- ¹⁰ = DLP Option Required.
- ¹¹ = DLC Pending.
- ¹² = Only available in 5L, 8L, 10L, 12L and 15L.



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.



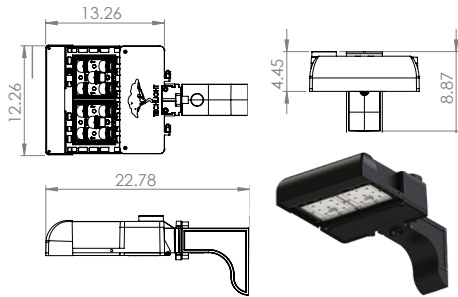
www.techlight.com

CTL High Lumen Output Cutlass LED Area Light

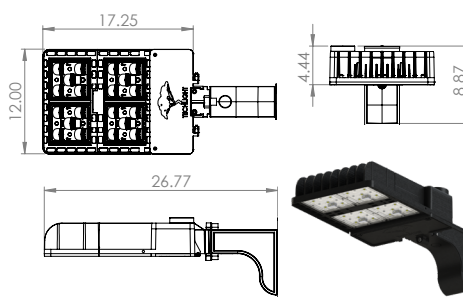
AVAILABLE FIXTURE DIMENSIONS

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

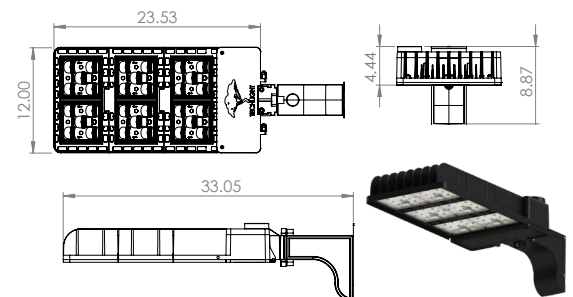
Dimensions shown for 5L - 20L Brick Unit



Dimensions shown for 25L - 45L Brick Unit

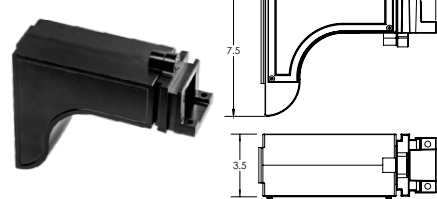


Dimensions shown for 45L - 70L Brick Unit

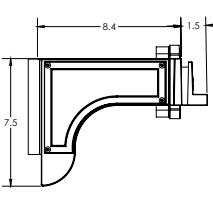


FIXTURE & MOUNTING ACCESSORIES

CTLARM(FOR SQUARE POLE)
Decorative Arm Mount (0.3 EPA,
3.5 lbs.) with Slide Mount Adapter



CTLARMR(FOR ROUND POLE)
Decorative Arm Mount (0.3 EPA,
3.5 lbs.) with Slide Mount Adapter

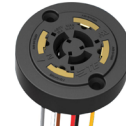


PC2
480V Twist-Lock
Photocell

PC7
Multi-Tap (105-285V)
Twist-Lock Photocell



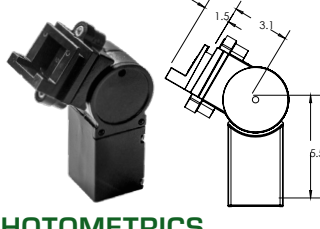
PCR7⁹
7-Pin Twist-Lock Photocell
Receptacle ANSI C136.41
and Receptacle Shorting Cap



S219⁵
Large Angled Back Light Shield



CTL2AF⁸
2" Adjustable Slip Filter
with Slide Mount Adapter



VBWM
Wall Mount Adaptor



CTLSM
Slide Mount Adaptor
for square pole mount only



CTLB15⁴
Adjustable Yoke Mount with
Slide Adaptor



S215⁴
Angled Back Light Shield



NOTES

⁴= Requires one S215 for 5L-20L units; two S215 for 25L-40L units. For 45L, please see Lumen Characteristics chart for details.

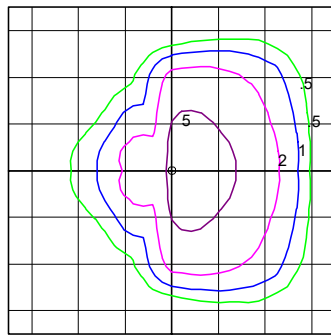
⁵= Requires one S219 for 50L-60L units. For 45L, please see Lumen Characteristics chart for details.

⁹= PCR7 photocell receptacle must be oriented in the field so that the light sensor on the control is facing North.

PHOTOMETRICS

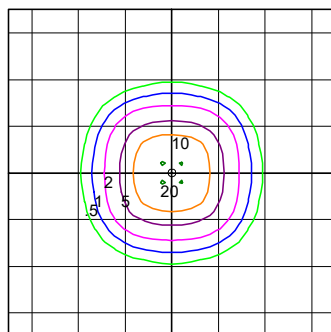
IES INDOOR REPORT PHOTOMETRIC FILE

Typical Type III
photometric optical
distribution



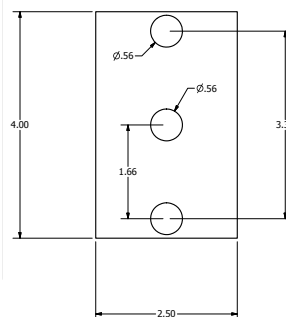
IES INDOOR REPORT PHOTOMETRIC FILE

Typical Type 5M
photometric optical
distribution



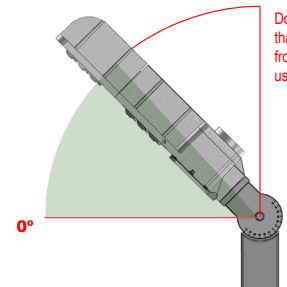
DRILL TEMPLATE

CTL - Not to Scale



45° Maximum Tilt

90°



Do not tilt the CTL more
than 45 degrees upward
from horizontal when
using the CTL2AF

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



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CTL High Lumen Output Cutlass LED Area Light

LUMINAIRE CHARACTERISTICS

Cool White

Angled Back Light Shield	Output ID	Nominal Lumens	TYPE FAW			TYPE II			TYPE III			TYPE IV			TYPE 4T			TYPE 5M			TYPE 5W							
			System Lumens	System Watts	Lm/W	System Lumens	System Watts	Lm/W	System Lumens	System Watts	Lm/W	System Lumens	System Watts	Lm/W	System Lumens	System Watts	Lm/W	System Lumen	System Watts	Lm/W	System Lumens	System Watts	Lm/W					
			BUG Rating			BUG Rating			BUG Rating			BUG Rating			BUG Rating			BUG Rating			BUG Rating							
Requires one S215 for 5L - 20L Units	5L	5,000	5012	35	145	5525	35	160	5126	35	148	5557	35	160	5723	35	165	5663	35	164	5702	35	165					
	Bug Rating		B1-U0-G1			B1-U0-G1			B1-U0-G1			B2-U0-G2			B2-U0-G1			B2-U0-G0			B3-U0-G1							
	8L	8,000	8206	59	139	8200	53	155	8392	59	142	8247	53	156	8495	53	161	8405	53	159	8463	53	160					
	Bug Rating		B2-U0-G2			B2-U0-G2			B2-U0-G2			B2-U0-G2			B2-U0-G1			B3-U0-G0			B3-U0-G2							
	10L	10,000	10393	78	134	9864	65	151	9912	71	139	9920	65	152	10218	65	157	10110	65	155	10179	65	156					
	Bug Rating		B2-U0-G2			B2-U0-G2			B2-U0-G2			B2-U0-G2			B3-U0-G1			B3-U0-G0			B4-U0-G2							
	12L	12,000	11808	83	142	11455	78	147	11753	79	149	11521	78	148	11867	78	153	11742	78	151	11822	78	152					
	Bug Rating		B2-U0-G2			B2-U0-G2			B2-U0-G2			B3-U0-G3			B3-U0-G1			B3-U0-G0			B4-U0-G2							
	15L	15,000	15084	111	136	15177	97	156	15265	106	144	15216	97	157	15207	92	164	15045	92	163	15017	92	162					
	Bug Rating		B3-U0-G3			B3-U0-G3			B3-U0-G3			B3-U0-G3			B3-U0-G1			B3-U0-G1			B4-U0-G2							
Requires two S215 for 25L - 40L Units	20L	20,000	20096	157	128	19837	134	148	20082	147	136	19888	134	149	20146	129	156	19931	129	154	19894	129	154					
	Bug Rating		B3-U0-G3			B3-U0-G3			B3-U0-G3			B3-U0-G3			B3-U0-G2			B4-U0-G1			B5-U0-G3							
	25L	25,000	24813	176	141	25139	158	159	24761	167	148	25204	158	160	24913	149	167	24647	149	166	24601	149	165					
	Bug Rating		B3-U0-G3			B3-U0-G3			B3-U0-G4			B3-U0-G4			B4-U0-G2			B4-U0-G1			B5-U0-G3							
	30L	30,000	30167	221	136	30354	194	156	29456	203	145	30432	194	157	30415	185	164	30090	185	163	30034	185	162					
	Bug Rating		B3-U0-G3			B3-U0-G3			B3-U0-G4			B3-U0-G4			B4-U0-G2			B5-U0-G1			B5-U0-G4							
	35L	35,000	35380	267	132	35005	231	152	34967	249	140	35095	231	152	35370	221	160	34992	221	158	34928	221	158					
Requires 2 x S215 or 1 x S219 for 45L units	Bug Rating		B3-U0-G4			B4-U0-G4			B3-U0-G4			B3-U0-G4			B4-U0-G2			B5-U0-G1			B5-U0-G4							
	40L	40,000	40193	313	128	39674	267	148	40164	295	136	39777	267	149	40292	258	156	39861	258	154	39788	258	154					
	Bug Rating		B3-U0-G4			B4-U0-G4			B4-U0-G5			B4-U0-G5			B4-U0-G2			B5-U0-G1			B5-U0-G4							
	45L	45,000	45251	332	136	45070	313	144	44184	305	145	45187	313	144	44913	295	152	45547	304	150	45463	304	150					
Requires one S219 for 50L - 70L Units	Bug Rating		B3-U0-G4			B4-U0-G4			B4-U0-G5			B4-U0-G5			B4-U0-G2			B5-U0-G2			B5-U0-G5							
	Angled Back Light Shield		1 x S219			2 x S215			1 x S219			2 x S215			2 x S215			2 x S215			2 x S215							
	50L	50,000	50024	373	134	50743	332	153	50773	360	141	50874	332	153	49408	305	162	50663	318	159	50570	318	159					
	Bug Rating		B4-U0-G5			B4-U0-G4			B4-U0-G5			B4-U0-G5			B4-U0-G3			B5-U0-G2			B5-U0-G5							
	55L	55,000	54545	415	132	54301	360	151	55644	401	139	54442	360	151	54900	346	159	54313	346	157	54213	346	157					
	Bug Rating		B4-U0-G5			B4-U0-G5			B4-U0-G5			B4-U0-G5			B5-U0-G3			B5-U0-G2			B5-U0-G5							
	60L	60,000	60289	470	128	59511	401	148	60246	442	136	59665	401	149	60437	387	156	59792	387	154	59681	387	154					
	Bug Rating		B4-U0-G5			B4-U0-G5			B5-U0-G5			B5-U0-G5			B5-U0-G3			B5-U0-G2			B5-U0-G5							
	65L	65,000	N/A			64433	442	146	64669	484	134	64600	442	146	65680	429	153	64978	429	152	64858	429	151					
	Bug Rating					B5-U0-G5			B5-U0-G5			B5-U0-G5			B5-U0-G3			B5-U0-G2			B5-U0-G5							
70L	70,000	N/A			69163	484	143	N/A			69342	484	143	70686	470	150	69931	470	149	69802	470	149						
Bug Rating					B5-U0-G5						B5-U0-G3						B5-U0-G2						B5-U0-G5					



CTL High Lumen Output Cutlass LED Area Light

LUMINAIRE CHARACTERISTICS

Neutral White

Angled Back Light Shield	Output ID	Nominal Lumens	TYPE FAW			TYPE II			TYPE III			TYPE IV			TYPE 4T			TYPE 5M			TYPE 5W		
			System Lumens	System Watts	Lm/W	System Lumens	System Watts	Lm/W	System Lumens	System Watts	Lm/W	System Lumens	System Watts	Lm/W	System Lumens	System Watts	Lm/W	System Lumen	System Watts	Lm/W	System Lumens	System Watts	Lm/W
			BUG Rating			BUG Rating			BUG Rating			BUG Rating			BUG Rating			BUG Rating			BUG Rating		
Requires one S215 for 5L - 20L Units	5L	5,000	5136	35	148	5661	35	163	5253	35	152	5694	35	164	5865	35	169	5803	35	168	5843	35	169
	Bug Rating		B1-U0-G1			B1-U0-G1			B1-U0-G1			B2-U0-G2			B2-U0-G1			B2-U0-G0			B3-U0-G1		
	8L	8,000	8409	59	142	8402	53	159	7796	53	147	8451	53	160	7808	47	167	7726	47	165	7778	47	166
	Bug Rating		B2-U0-G2			B2-U0-G2			B2-U0-G2			B2-U0-G2			B2-U0-G1			B3-U0-G0			B3-U0-G2		
	10L	10,000	9931	71	139	10107	65	155	10156	71	142	10165	65	156	10470	65	160	10360	65	159	10431	65	160
	Bug Rating		B2-U0-G2			B2-U0-G2			B2-U0-G2			B2-U0-G2			B3-U0-G1			B3-U0-G0			B4-U0-G2		
	12L	12,000	11745	83	141	11738	78	151	12315	83	148	11805	78	152	12160	78	156	12032	78	155	12114	78	156
	Bug Rating		B2-U0-G2			B2-U0-G2			B3-U0-G3			B3-U0-G3			B3-U0-G1			B3-U0-G0			B4-U0-G2		
	15L	15,000	15003	111	136	15096	97	156	15184	106	143	15135	97	156	15126	92	164	14965	92	162	14937	92	161
	Bug Rating		B2-U0-G3			B3-U0-G3			B3-U0-G3			B3-U0-G3			B3-U0-G1			B3-U0-G1			B4-U0-G2		
Requires two S215 for 25L - 40L Units	20L	20,000	19989	157	128	20280	138	147	19975	147	135	19783	134	148	20039	129	155	19824	129	154	19788	129	153
	Bug Rating		B3-U0-G3			B3-U0-G3			B3-U0-G3			B3-U0-G3			B3-U0-G2			B4-U0-G1			B5-U0-G3		
	25L	25,000	24681	176	140	25005	158	158	24629	167	148	25070	158	159	24780	149	166	24516	149	165	24470	149	164
	Bug Rating		B3-U0-G3			B3-U0-G3			B3-U0-G4			B3-U0-G4			B4-U0-G2			B4-U0-G1			B5-U0-G3		
	30L	30,000	30007	221	136	30192	194	156	30368	212	143	30270	194	156	30253	185	164	29930	185	162	29874	185	161
	Bug Rating		B3-U0-G3			B3-U0-G3			B4-U0-G4			B4-U0-G4			B4-U0-G2			B5-U0-G1			B5-U0-G4		
	35L	35,000	35192	267	132	34818	231	151	34781	249	140	34908	231	151	35182	221	159	34806	221	157	34742	221	157
Requires 2 x S215 or 1 x S219 for 45L units	Bug Rating		B3-U0-G4			B4-U0-G4			B4-U0-G4			B4-U0-G4			B4-U0-G2			B5-U0-G1			B5-U0-G4		
	40L	40,000	39979	313	128	39463	267	148	39950	295	135	39565	267	148	40077	258	155	39649	258	154	39576	258	153
	Bug Rating		B4-U0-G4			B4-U0-G4			B4-U0-G5			B4-U0-G5			B4-U0-G2			B5-U0-G1			B5-U0-G4		
Requires one S219 for 50L - 70L Units	45L	45,000	45251	332	136	45070	313	144	44184	305	145	45187	313	144	44913	295	152	45547	304	150	45463	304	150
	Bug Rating		B3-U0-G4			B4-U0-G4			B4-U0-G5			B4-U0-G5			B4-U0-G2			B5-U0-G2			B5-U0-G5		
	Angled Back Light Shield		1 x S219			2 x S215			1 x S219			2 x S215			2 x S215			2 x S215			2 x S215		
	50L	50,000	49758	373	133	50473	332	152	50503	360	140	50603	332	152	49145	305	161	50393	318	158	50300	318	158
	Bug Rating		B4-U0-G5			B4-U0-G4			B4-U0-G5			B4-U0-G5			B4-U0-G3			B5-U0-G2			B5-U0-G5		
	55L	55,000	54254	415	131	55797	373	149	55348	401	138	54152	360	151	54608	346	158	55870	360	155	55767	360	155
	Bug Rating		B4-U0-G5			B4-U0-G5			B4-U0-G5			B4-U0-G5			B5-U0-G3			B5-U0-G2			B5-U0-G5		
	60L	60,000	59968	470	128	59195	401	148	59926	442	135	59348	401	148	60116	387	155	59473	387	154	59364	387	153
	Bug Rating		B4-U0-G5			B4-U0-G5			B4-U0-G5			B5-U0-G5			B5-U0-G3			B5-U0-G2			B5-U0-G5		
	65L	65,000	N/A			64090	442	145	64324	484	133	64256	442	145	65330	429	152	64632	429	151	64513	429	151
	Bug Rating		N/A			B5-U0-G5			B5-U0-G5			B5-U0-G5			B5-U0-G3			B5-U0-G2			B5-U0-G5		
	70L	70,000	N/A			68795	484	142	N/A			68973	484	143	70310	470	150	69559	470	148	69431	470	148
	Bug Rating		N/A			B5-U0-G5			N/A			B5-U0-G5			B5-U0-G3			B5-U0-G2			B5-U0-G5		



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CTL High Lumen Output Cutlass LED Area Light

LUMINAIRE CHARACTERISTICS

Warm White

Angled Back Light Shield	Output ID	Nominal Lumens	TYPE FAW			TYPE II			TYPE III			TYPE IV			TYPE 4T			TYPE 5M			TYPE 5W		
			System Lumens	System Watts	Lm/W	System Lumens	System Watts	Lm/W	System Lumens	System Watts	Lm/W	System Lumens	System Watts	Lm/W	System Lumens	System Watts	Lm/W	System Lumen	System Watts	Lm/W	System Lumens	System Watts	Lm/W
			BUG Rating			BUG Rating			BUG Rating			BUG Rating			BUG Rating			BUG Rating			BUG Rating		
Requires one S215 for 5L - 20L Units	5L	5,000	4782	35	138	4891	35	141	4891	35	141	5301	35	153	5461	35	158	5403	35	156	5440	35	157
	Bug Rating		B1-U0-G1			B1-U0-G1			B1-U0-G1			B1-U0-G1			B2-U0-G1			B2-U0-G0			B3-U0-G1		
	8L	8,000	7829	53	148	7823	53	148	8007	59	136	7868	53	149	8105	53	153	8019	53	152	8074	53	153
	Bug Rating		B2-U0-G2			B2-U0-G2			B2-U0-G2			B2-U0-G2			B2-U0-G1			B3-U0-G0			B3-U0-G2		
	10L	10,000	9915	71	139	10191	71	143	10141	78	130	10250	71	143	10558	71	148	10447	71	146	10518	71	147
	Bug Rating		B2-U0-G2			B2-U0-G2			B2-U0-G2			B2-U0-G2			B3-U0-G1			B3-U0-G0			B4-U0-G2		
	12L	12,000	11760	78	151	11915	79	151	12331	88	140	11946	79	151	11322	78	146	11203	78	144	11279	78	145
	Bug Rating		B2-U0-G2			B2-U0-G2			B3-U0-G3			B3-U0-G3			B3-U0-G1			B3-U0-G0			B4-U0-G2		
	15L	15,000	15301	97	158	14931	102	147	14991	111	135	14970	102	147	15042	97	155	14881	97	153	14854	97	153
	Bug Rating		B3-U0-G3			B3-U0-G3			B3-U0-G3			B3-U0-G3			B3-U0-G1			B3-U0-G1			B4-U0-G2		
20L	20,000	19488	138	141	19849	143	139	19974	157	128	19900	143	139	20207	138	146	19991	138	145	19954	138	144	
Bug Rating		B3-U0-G3			B3-U0-G3			B3-U0-G3			B3-U0-G3			B3-U0-G2			B4-U0-G1			B5-U0-G3			
Requires two S215 for 25L - 40L Units	25L	25,000	24590	158	156	25102	167	150	24661	176	140	25167	167	151	24915	158	158	24649	158	156	24604	158	156
	Bug Rating		B3-U0-G3			B3-U0-G3			B3-U0-G4			B3-U0-G4			B4-U0-G2			B4-U0-G1			B5-U0-G3		
	30L	30,000	29590	194	152	29862	203	147	29983	221	135	29940	203	147	30084	194	155	29763	194	153	29708	194	153
	Bug Rating		B3-U0-G3			B3-U0-G3			B4-U0-G4			B4-U0-G4			B4-U0-G2			B5-U0-G1			B5-U0-G4		
	35L	35,000	35401	240	148	35449	249	142	35164	267	132	35541	249	143	34694	231	150	35496	240	148	35430	240	148
	Bug Rating		B3-U0-G4			B4-U0-G4			B4-U0-G4			B4-U0-G4			B4-U0-G2			B5-U0-G1			B5-U0-G4		
	40L	40,000	38977	277	141	39697	286	139	39947	313	128	39800	286	139	40414	277	146	39982	277	145	39908	277	144
Bug Rating		B4-U0-G4			B4-U0-G4			B4-U0-G5			B4-U0-G5			B4-U0-G2			B5-U0-G1			B5-U0-G4			
Requires 2 x S215 or 1 x S219 for 45L units	45L	45,000	44386	322	138	44793	305	147	44974	332	135	44909	305	147	44670	313	143	45211	322	140	45127	322	140
	Bug Rating		B4-U0-G4			B4-U0-G4			B4-U0-G5			B4-U0-G5			B4-U0-G2			B5-U0-G1			B5-U0-G5		
	Angled Back Light Shield		1 x S219			1 x S219			1 x S219			1 x S219			2 x S215			2 x S215			2 x S215		
Requires one S219 for 50L - 70L Units	50L	50,000	50307	332	151	49772	346	144	49719	373	133	49901	346	144	50292	332	151	49755	332	150	49663	332	150
	Bug Rating		B4-U0-G5			B4-U0-G4			B4-U0-G5			B4-U0-G5			B5-U0-G3			B5-U0-G2			B5-U0-G5		
	55L	55,000	54467	373	146	54793	387	142	54212	415	131	54935	387	142	55597	373	149	55003	373	147	54901	373	147
	Bug Rating		B4-U0-G5			B4-U0-G5			B4-U0-G5			B5-U0-G5			B5-U0-G3			B5-U0-G2			B5-U0-G5		
	60L	60,000	58465	415	141	59546	429	139	59921	470	128	59700	429	139	60621	415	146	59973	415	145	59863	415	144
	Bug Rating		B4-U0-G5			B4-U0-G5			B4-U0-G5			B5-U0-G5			B5-U0-G3			B5-U0-G2			B5-U0-G5		
	65L	65,000	N/A			64085	470	136	N/A			64250	470	137	65462	456	144	64762	456	142	64643	456	142
	Bug Rating					B5-U0-G5						B5-U0-G5			B5-U0-G3			B5-U0-G2			B5-U0-G5		
70L	70,000	N/A			N/A			N/A			N/A			N/A			N/A			N/A			
Bug Rating																							



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LUMINAIRE CHARACTERISTICS

System Wattage	L70 @ 25°C	Amperage Draw					
		120V	208V	240V	277V	347V	480V
35	>50K	0.29	0.17	0.14	0.13	0.10	0.07
47	>50K	0.39	0.22	0.19	0.17	0.13	0.10
53	>50K	0.44	0.25	0.22	0.19	0.15	0.11
59	>50K	0.49	0.28	0.25	0.21	0.17	0.12
65	>50K	0.54	0.31	0.27	0.24	0.19	0.14
71	>50K	0.60	0.34	0.30	0.26	0.21	0.15
78	>50K	0.65	0.37	0.32	0.28	0.22	0.16
79	>50K	0.66	0.38	0.33	0.28	0.23	0.16
83	>50K	0.70	0.40	0.35	0.30	0.24	0.17
88	>50K	0.73	0.42	0.37	0.32	0.25	0.18
92	>50K	0.77	0.44	0.39	0.33	0.27	0.19
97	>50K	0.81	0.47	0.40	0.35	0.28	0.20
102	>50K	0.85	0.49	0.42	0.37	0.29	0.21
106	>50K	0.88	0.51	0.44	0.38	0.31	0.22
111	>50K	0.92	0.53	0.46	0.40	0.32	0.23
129	>50K	1.08	0.62	0.54	0.47	0.37	0.27
134	>50K	1.11	0.64	0.56	0.48	0.39	0.28
138	>50K	1.15	0.66	0.58	0.50	0.40	0.29
143	>50K	1.19	0.69	0.6	0.52	0.41	0.30
147	>50K	1.23	0.71	0.61	0.53	0.42	0.31
149	>50K	1.24	0.72	0.62	0.54	0.43	0.31
157	>50K	1.31	0.75	0.65	0.57	0.45	0.33
158	>50K	1.32	0.76	0.66	0.57	0.45	0.33
167	>50K	1.39	0.80	0.70	0.60	0.48	0.35
176	>50K	1.47	0.85	0.73	0.64	0.51	0.37
185	>50K	1.54	0.89	0.77	0.67	0.53	0.39
194	>50K	1.62	0.93	0.81	0.70	0.56	0.40
203	>50K	1.69	0.98	0.85	0.73	0.59	0.42
212	>50K	1.77	1.02	0.88	0.77	0.61	0.44
221	>50K	1.85	1.06	0.92	0.8	0.64	0.46
231	>50K	1.92	1.11	0.96	0.83	0.66	0.48
240	>50K	2.00	1.15	1.00	0.87	0.69	0.50
249	>50K	2.07	1.20	1.04	0.90	0.72	0.52
258	>50K	2.15	1.24	1.08	0.93	0.74	0.54
267	>50K	2.23	1.29	1.11	0.97	0.77	0.56
277	>50K	2.30	1.33	1.15	1.00	0.80	0.58
286	>50K	2.38	1.37	1.19	1.03	0.82	0.60
295	>50K	2.46	1.42	1.23	1.06	0.85	0.61
304	>50K	2.53	1.46	1.27	1.10	0.88	0.63
305	>50K	2.54	1.47	1.27	1.10	0.88	0.63
313	>50K	2.61	1.51	1.31	1.13	0.90	0.65
318	>50K	2.65	1.53	1.33	1.15	0.92	0.66
322	>50K	2.69	1.55	1.34	1.16	0.93	0.67
332	>50K	2.77	1.60	1.38	1.20	0.96	0.69
346	>50K	2.88	1.66	1.44	1.25	1.00	0.72
360	>50K	3.00	1.73	1.50	1.30	1.04	0.75
373	>50K	3.11	1.80	1.56	1.35	1.08	0.78
387	>50K	3.23	1.86	1.61	1.40	1.12	0.81
401	>50K	3.34	1.93	1.67	1.45	1.16	0.84
415	>50K	3.46	1.99	1.73	1.50	1.20	0.86
429	>50K	3.57	2.06	1.79	1.55	1.24	0.89
442	>50K	3.69	2.13	1.84	1.60	1.27	0.92
456	>50K	3.80	2.19	1.90	1.65	1.31	0.95
470	>50K	3.92	2.26	1.96	1.70	1.35	0.98
484	>50K	4.03	2.33	2.02	1.75	1.39	1.01



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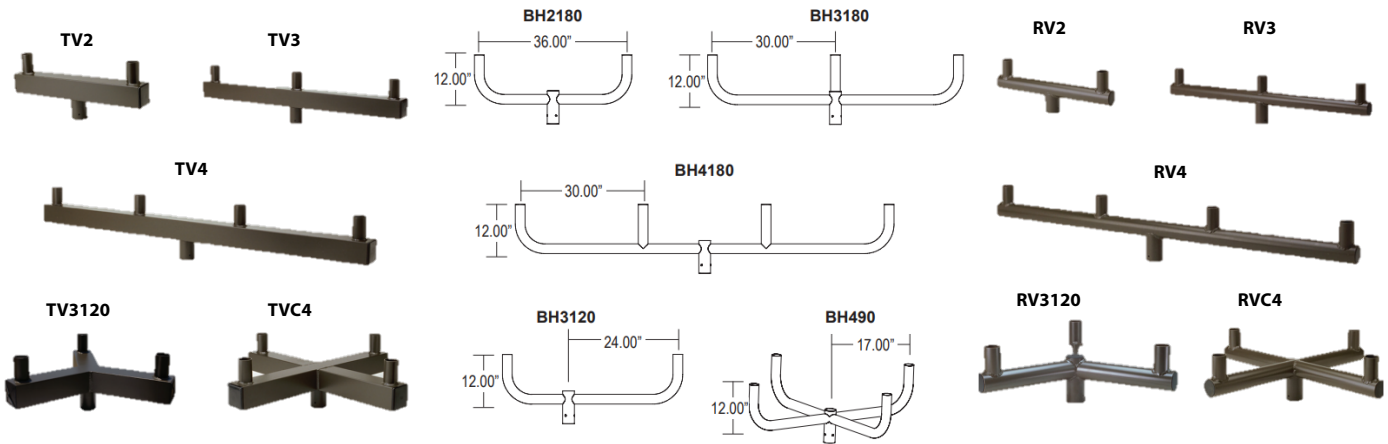
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EPA RATINGS (ft²)



	Angle*	FRONT	SIDE	EPA at 60	TVAX	TV2	TV3	TV3120	TV4	TVC4	BH2180	BH3180	BH3120	BH4180	BH490	TVAXR	RV2	RV3	RV3120	RV4	RVC4
CUTLASS 2 MODULE	0	0.38	0.44	0.44	0.5	1.9	3.1	2.3	4.3	3	1.4	2.1	1.8	3	2.3	0.5	1.3	2.1	1.7	2.9	2.2
	20	0.63	0.44	0.6	0.7	2.2	3.7	2.8	5.1	3.4	1.7	2.7	2.4	3.7	2.8	0.7	1.7	2.7	2.3	3.6	2.7
	30	0.76	0.44	0.66	0.8	2.5	4.1	3.1	5.6	3.7	2	3.1	2.6	4.3	3.1	0.8	2	3.1	2.5	4.2	3
	45	0.94	0.44	0.75	1	2.9	4.6	3.5	6.3	4.1	2.4	3.6	3	5	3.5	1	2.3	3.6	2.9	4.9	3.3
CUTLASS 4 MODULE	0	0.38	0.57	0.54	0.6	2.1	3.5	2.5	4.9	3.2	1.6	2.5	2	3.5	2.6	0.6	1.6	2.5	1.9	3.4	2.5
	20	0.75	0.57	0.75	0.8	2.5	4	3.3	5.6	4	2	3	2.8	4.2	3.4	0.8	1.9	3	2.7	4.1	3.2
	30	0.95	0.57	0.85	1	2.9	4.6	3.7	6.4	4.3	2.4	3.6	3.2	5	3.7	1	2.3	3.6	3.1	4.9	3.6
	45	1.19	0.57	0.97	1.2	3.4	5.4	4.1	7.3	4.8	2.9	4.4	3.7	6	4.2	1.2	2.8	4.3	3.6	5.9	4.1
CUTLASS 6 MODULE	0	0.39	0.77	0.68	0.8	2.5	4.1	2.8	5.7	3.6	2	3.1	2.7	4.3	3	0.8	2	3.1	2.2	4.2	2.9
	20	0.93	0.77	0.98	1	2.8	4.6	3.9	6.3	4.7	2.4	3.6	3.4	5	4.1	1	2.3	3.6	3.3	4.8	4
	30	1.21	0.77	1.12	1.3	3.4	5.4	4.5	7.4	5.3	2.9	4.4	4	6.1	4.7	1.3	2.9	4.4	3.9	5.9	4.5
	45	1.56	0.77	1.29	1.6	4.1	6.5	5.2	8.8	6	3.6	5.5	4.7	7.5	5.4	1.6	3.6	5.5	4.6	7.4	5.2

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

ARM MOUNT			
Fixture Configuration	2 Brick EPA's ¹⁰	4 Brick EPA's ¹⁰	6 Brick EPA's ¹⁰
	CTLARM		
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.



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