

# CUTLASS SERIES

## High Lumen Output Cutlass LED Tennis Court Light

### 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.

#### 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.

#### 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.

#### ELECTRICAL SYSTEM

Available in up to a 70,000 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

Standard mounting options include single, twin 70° and 180°, quad 70° and 90° Davit and 7° Up Tilt Straight Arms. Additional mounting options may be available for custom applications.

#### FINISH

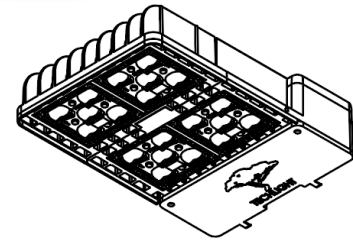
A Super Durable Polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: Black, Bronze, US Green, White. Custom colors available upon request.



CENTER COURT  
LIGHTING



### DIMENSIONS



Fixture EPA (ft.<sup>2</sup>)-2.00 | Approx. Weight- 70 lbs.

### ORDERING INFORMATION

EXAMPLE: CTL-C-8L-T4-1-GR-BTEC

CTL	C	8L	T4	1	GR	BTEC
SERIES	COLOR TEMP	NOMINAL LUMENS	OPTICS	VOLTAGE	FINISH	Option
	<b>C</b> = Cool White (5000K) <b>N</b> = Neutral White (4000K) <b>W</b> = Warm White (3000K)	<b>5L</b> = 5,000 Lumens <b>8L</b> = 8,000 Lumens <b>10L</b> = 10,000 Lumens <b>12L</b> = 12,000 Lumens <b>15L</b> = 15,000 Lumens <b>20L</b> = 20,000 Lumens <b>25L</b> = 25,000 Lumens <b>30L</b> = 30,000 Lumens <b>35L</b> = 35,000 Lumens <b>40L</b> = 40,000 Lumens <b>45L</b> = 45,000 Lumens <b>50L</b> = 50,000 Lumens <b>55L</b> = 55,000 Lumens <b>60L</b> = 60,000 Lumens <b>60L</b> = 60,000 Lumens <b>65L</b> = 65,000 Lumens <b>70L</b> = 70,000 Lumens	<b>T2</b> = Type II <b>T3</b> = Type III <b>T4</b> = Type IV <b>FAW</b> = Frontline Auto Wide <b>T4T</b> = Type IV Tennis <b>T5M</b> = Type V Medium <b>T5W</b> = Type V Wide	<b>1</b> = Multi-Volt <sup>1</sup> <b>2</b> = 347~480v (HV)	<b>BK</b> Black <b>BZ</b> Bronze <b>GR</b> US Green <b>WH</b> White <b>SP</b> Special <sup>2</sup>	<b>BTEC</b> Integrated Bluetooth Control Module Casambi Ready Mesh Network

### 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** = Enables remote access using the Gateway and Sites functionality in the Casambi App. Automatically restores network control settings and provides automatic time back up for the mesh network.
- 4** = For extended range greater than 150ft between BT Mesh Network connections.
- 5** = Control Modules are installed and luminaires are commissioned at the factory. Lighting control system via the Casambi app for Apple iOS and Android devices provides diverse functionality for a control hierarchy capable of managing multiple schedules and scenes and incorporating a variety of energy saving accessories.

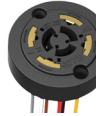
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### ACCESSORIES (Order Separately)



**CTLSM**  
Slide Mount Adaptor



**PCR7**  
7-Pin Twist-Lock Photocell Receptacle ANSI C136.41 and Receptacle Shorting Cap



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

**PC2**  
480V Twist-Lock Photocell

**BTEC<sup>5</sup>**  
Integrated Bluetooth Control Module Casambi Ready Mesh Network

**STGA7L<sup>3</sup>**  
Wi-Fi Ready Tablet / Gateway Samsung Tab A7 Lite

**CER100<sup>4</sup>**  
Wireless Repeater

### ARMS (Order Separately)

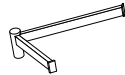
#### CCS 7° TILT ARMS



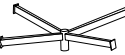
Single Straight Arm with 7° Up Tilt  
**CCSVA7-190**  
EPA: 1.8 29 lbs.



Double Straight Arm at 180° with 7° Up Tilt  
**CCSVA7-2180**  
EPA: 3.4 49 lbs.



Double Straight Arm at 70° with 7° Up Tilt  
**CCSVA7-270**  
EPA: 2.8 49 lbs.



Quad Straight Arm at 70° with 7° Up Tilt  
**CCSVA7-470**

Quad Straight Arm at 90° with 7° Up Tilt  
**CCSVA7-490**  
EPA: 3.75 89 lbs.

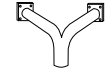
#### DAVIT ARMS



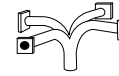
Single Davit Arm  
**DV190**  
EPA: 0.9 51 lbs.



Double Davit Arm at 180°  
**DV2180**  
EPA: 1.4 83 lbs.



Double Davit Arm at 70°  
**DV270**  
EPA: 1.1 83 lbs.



Quad Davit Arm at 70°  
**DV470**

Quad Davit Arm at 90°  
**DV490**  
EPA: 1.6 145 lbs.

### EPA's (Ft.<sup>2</sup>)

Fixture Configuration	ARM MOUNT			Fixture Configuration	ARM MOUNT		
	2 Brick EPA's <sup>6</sup>	4 Brick EPA's <sup>6</sup>	6 Brick EPA's <sup>6</sup>		2 Brick EPA's <sup>6</sup>	4 Brick EPA's <sup>6</sup>	6 Brick EPA's <sup>6</sup>
1 @ 90°	1.3	1.5	1.7	1 @ 90°	2.3	2.4	2.6
2 @ 180°	2.3	2.6	3.0	2 @ 180°	4.3	4.6	5
2 @ 70°	1.9	2.0	2.2	2 @ 70°	3.5	3.6	3.8
3 @ 90°	2.9	3.2	3.6	3 @ 90°	4.9	5.2	5.6
4 @ 90° or 4 @ 70°	3.3	3.5	3.9	4 @ 90° or 4 @ 70°	5.4	5.7	6.1

<sup>6</sup> = EPA's shown include both the fixture and the mounting apparatus.

### LUMINAIRE CHARACTERISTICS

#### Cool White (5000K)

#### Neutral White (4000K)

#### Warm White (3000K)

Output ID	Nominal Lumens	TYPE 4T			TYPE 5M			TYPE 4T			TYPE 5M			TYPE 4T			TYPE 5M		
		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 Lumens	System Watts	Lm/W
		BUG Rating			BUG Rating			BUG Rating			BUG Rating			BUG Rating			BUG Rating		
5L	5,000	5723	35	165	5663	35	164	5865	35	169	5803	35	168	5461	35	158	5403	35	156
8L	8,000	8495	53	161	8405	53	159	7808	47	167	7726	47	165	8105	53	153	8019	53	152
10L	10,000	10218	65	157	10110	65	155	10470	65	160	10360	65	159	10558	71	148	10447	71	146
12L	12,000	11867	78	153	11742	78	151	12160	78	156	12032	78	155	11322	78	146	11203	78	144
15L	15,000	15207	92	164	15045	92	163	15126	92	164	14965	92	162	15042	97	155	14881	97	153
20L	20,000	20146	129	156	19931	129	154	20039	129	155	19824	129	154	20207	138	146	19991	138	145
25L	25,000	24913	149	167	24647	149	166	24780	149	166	24516	149	165	24915	158	158	24649	158	156
30L	30,000	30415	185	164	30090	185	163	30253	185	164	29930	185	162	30084	194	155	29763	194	153
35L	35,000	35370	221	160	34992	221	158	35182	221	159	34806	221	157	34694	231	150	35496	240	148
40L	40,000	40292	258	156	39861	258	154	40077	258	155	39649	258	154	40414	277	146	39982	277	145
45L	45,000	44913	295	152	45547	304	150	44913	295	152	45547	304	150	44670	313	143	45211	322	140
50L	50,000	49408	305	162	50663	318	159	49145	305	161	50393	318	158	50292	332	151	49755	332	150
55L	55,000	54900	346	159	54313	346	157	54608	346	158	55870	360	155	55597	373	149	55003	373	147
60L	60,000	60437	387	156	59792	387	154	60116	387	155	59473	387	154	60621	415	146	59973	415	145
65L	65,000	65680	429	153	64978	429	152	65330	429	152	64632	429	151	65462	456	144	64762	456	142
70L	70,000	70686	470	150	69931	470	149	70310	470	150	69559	470	148		N/A			N/A	