

TYPE: \_\_\_\_\_ QUANTITY: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG NUMBER:

MODEL LED SELECTION MOUNT CCT VOLTAGE FINISH OPTION OPTION



- 1- Performance Series
- 2- Corrosion resistant diecast aluminum housing
- 3- High efficiency LED light engine with acrylics optics
- 4- Clear tempered glass
- 5- All stainless steel hardware



### MATERIALS

Clermont is made of aluminum diecast offering exceptional precision and durability. The main housing is sealed with durable gasket.

Features a high efficiency LED light engine, mounted on a recessed heatsink whose pattern is optimized for heat dissipation. The driver is preinstalled inside the main housing, sealed with proper gasket, and secured with four captives screws which makes it easy for maintenance.

### ELECTRICAL

**DRIVER** Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -40°C to +55°C/-40°F to +131°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery. Optional 347/480V available

**LED** Type II, III, IV or V light distribution via high performance optical lenses. Offered in 2700K, 3000K, 3500K, 4000K. See the CCT options for details.

Optional true amber LED for turtle sensitive areas.

Wavelengths: 585nm to 597nm

### LIFE

60,000hrs L<sub>70</sub>B<sub>50</sub> (based on LM-80 report for lumen maintenance)

### FINISH

Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

### MOUNTING

Maximum weight: 27 lbs (12 kg), except PT: 40 lbs (18 kg)

Several mounting options are offered with this product: catenary, wall mount, ceiling mount, pendant, post-top and pole mount.

For SPG, STM, CK, WM mounting: The mounting plate is designed to fit on a 4" (102mm) octagonal electrical box using 3.5" (89mm) C/C mounting holes.

For PM mounting: designed to fit on 4" or 5" OD pole.

For PT mounting: designed to fit on 4" OD pole with 1/4", 3/16" or 1/8" wall thickness.

For CAT3: see mounting details on page 3.

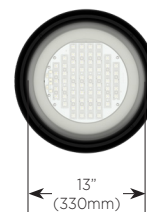
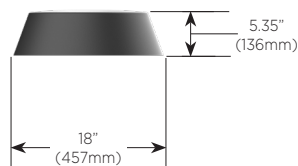
For STM, fixture must be installed on a finished ceiling for exterior applications and/or when exposed to inclement weather.

### CERTIFICATION

Certified and approved as per CSA C22.2 No.: 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP65/IK10.

Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C.

Lumen depreciation in accordance with IESNA LM80 standards.



# CT185 SERIES CLERMONT

## LUMINAIRE SELECTION

### 1 MODEL



☐ CT185

### 2 LED LIGHT SELECTION (4000K/80CRI)

#### WHITE LED SELECTION

TYPE	SUFFIX	DELIVERED LUMENS	INPUT WATTS
TYPE II	<input type="checkbox"/> L1L50-TYP2	4843	40W
	<input type="checkbox"/> L1L80-TYP2	7069	60W
	<input type="checkbox"/> L1L100-TYP2	9269	80W
	<input type="checkbox"/> L1L120-TYP2	11274	100W
	<input type="checkbox"/> L1L180-TYP2	15675	160W
TYPE	SUFFIX	DELIVERED LUMENS	INPUT WATTS
TYPE III	<input type="checkbox"/> L1L50-TYP3	5043	40W
	<input type="checkbox"/> L1L80-TYP3	7360	60W
	<input type="checkbox"/> L1L100-TYP3	9651	80W
	<input type="checkbox"/> L1L120-TYP3	11739	100W
	<input type="checkbox"/> L1L180-TYP3	16321	160W
TYPE	SUFFIX	DELIVERED LUMENS	INPUT WATTS
TYPE IV	<input type="checkbox"/> L1L50-TYP4	4970	40W
	<input type="checkbox"/> L1L80-TYP4	7254	60W
	<input type="checkbox"/> L1L100-TYP4	9512	80W
	<input type="checkbox"/> L1L120-TYP4	11570	100W
	<input type="checkbox"/> L1L180-TYP4	16086	160W
TYPE	SUFFIX	DELIVERED LUMENS	INPUT WATTS
TYPE V	<input type="checkbox"/> L1L50-TYP5	5109	40W
	<input type="checkbox"/> L1L80-TYP5	7457	60W
	<input type="checkbox"/> L1L100-TYP5	9778	80W
	<input type="checkbox"/> L1L120-TYP5	11894	100W
	<input type="checkbox"/> L1L180-TYP5	16526	160W

#### AMBER

TYPE	SUFFIX	DELIVERED LUMENS	INPUT WATTS
TYPE II	<input type="checkbox"/> L1LK2A-TYP2	2509	47.7W
TYPE III	<input type="checkbox"/> L1LK2A-TYP3	2612	47.7W
TYPE IV	<input type="checkbox"/> L1LK2A-TYP4	2575	47.7W
TYPE V	<input type="checkbox"/> L1LK2A-TYP5	2647	47.7W

#### TUNABLE WHITE\*

	SUFFIX	DELIVERED LUMENS	INPUT WATTS
TYPE II	<input type="checkbox"/> L1LWT	7374	76W
TYPE III	<input type="checkbox"/> L1LWT	7650	76W
TYPE IV	<input type="checkbox"/> L1LWT	7567	76W
TYPE V	<input type="checkbox"/> L1LWT	7779	76W

\*2700K-5000K/80 CRI

#### WARM DIMMABLE\*

	SUFFIX	DELIVERED LUMENS	INPUT WATTS
TYPE II	<input type="checkbox"/> L1LDW	7374	76W
TYPE III	<input type="checkbox"/> L1LDW	7650	76W
TYPE IV	<input type="checkbox"/> L1LDW	7567	76W
TYPE V	<input type="checkbox"/> L1LDW	7779	76W

\*2200K-4000K/80 CRI

### 3 MOUNT

- ☐ CK Ceiling
- ☐ SPG\* Pendant (cable)
- ☐ STM Pendant (stem)
- ☐ CAT3 Catenary
- ☐ WM Wall mount
- ☐ PM Pole mount
- ☐ PT<sup>1</sup> Post top\*\*

\* Indoor only

\*\* Compatible with 4" O.D/(100mm) pole (PAA4)

### 4 CCT

#### TEMPERATURE\*

- ☐ K27 2700K
- ☐ K30 3000K
- ☐ K35 3500K
- ☐ K40 4000K

\* 80 CRI

### 5 VOLTAGE

#### STANDARD

- ☐ 120V
- ☐ 208V
- ☐ 240V
- ☐ 277V

#### OPTIONAL

- ☐ 347V
- ☐ 480V

### 6 FINISH

#### STANDARD COLORS

- ☐ WHT Snow white
- ☐ BKT Jet black
- ☐ BZT Bronze
- ☐ MST Matte silver
- ☐ GRT Titanium gray
- ☐ DGT Gun metal
- ☐ CHT Champagne
- ☐ SGT Steel gray
- ☐ BGT English cream

#### OPTIONAL COLORS

- ☐ CS Custom color
- ☐ RAL RAL# color

\* Refer to color chart



For IDA certification compliance, luminaire must be ordered with 3000K or warmer.

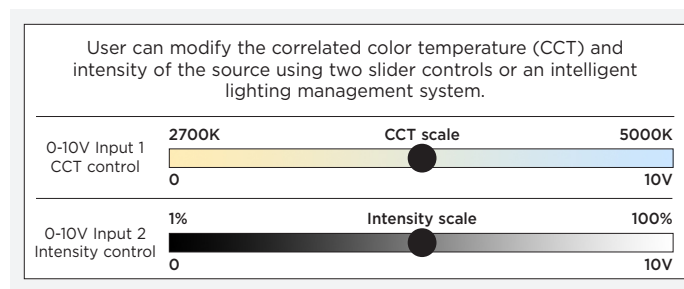
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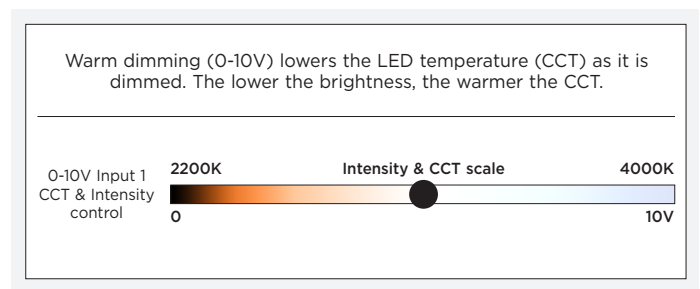
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## TUNABLE WHITE



## WARM DIMMING



## OPTIONS

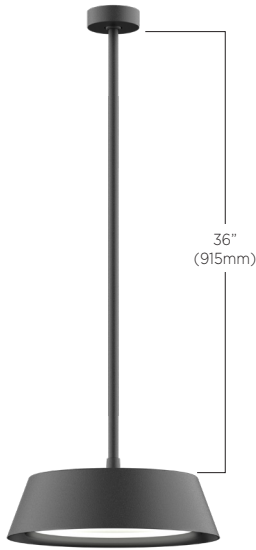
<b>SURGE PROTECTOR</b> <input type="checkbox"/> <b>SP</b> 10kV surge protector	<b>FUSE</b> <input type="checkbox"/> <b>FS</b> Fuse	<b>ACCESSORIES</b> <input type="checkbox"/> <b>HS</b> <sup>2</sup> House side shield (LCF 0.8) <input type="checkbox"/> <b>SSC</b> <sup>3</sup> Set of three stabilizer cables For stem mount only	<b>EMERGENCY</b> <input type="checkbox"/> <b>EMLC</b> <sup>4</sup> Integral battery backup for LED, 90 min., 7W integral to luminaire <input type="checkbox"/> <b>REML</b> Remote mount battery back for LED 90 min., 7W integral to luminaire
<b>CONTROLS</b> <input type="checkbox"/> <b>NLTAIR</b> <sup>5</sup> nLight AIR Control gen2 embedded on housing <input type="checkbox"/> <b>NLTAIR-MS</b> <sup>8</sup> nLight AIR 2.0 motion sensor module mounted on pole. <input type="checkbox"/> <b>RD</b> Remote driver Consult factory	<b>PHOTOCELL</b> <input type="checkbox"/> <b>PH7</b> <sup>6</sup> NEMA C136.41 7-PIN receptacle with photocell sensor preinstalled <input type="checkbox"/> <b>PHSC</b> <sup>6</sup> NEMA C136.41 7-PIN receptacle with shorting cap preinstalled	<b>MOTION SENSOR</b> <input type="checkbox"/> <b>MS</b> <sup>7</sup> Motion sensor module, mounted on pole 270° coverage. (Black or white) will be selected to best match fixture color.	<b>ENVIRONMENT</b> <input type="checkbox"/> <b>MG</b> Marine grade paint for harsh, coastal environment and exposure to salt water Longer lead time may apply please contact factory for info <input type="checkbox"/> <b>NT</b> Natatorium (only available in WHT and BKT)

### NOTES

- 1- Compatible with 4" O.D. pole only. Compatible with 1/4", 3/16" or 1/8" wall thickness.
- 2- HS not available on Type V. HS can be installed in the field.
- 3- SSC applicable to STM mount only
- 4- EMLC is integral to luminaire housing. Integral is not suitable under 0°C (32°F) outdoor.
- 5- NLTAIR not compatible with CK. Compatible with SPG, STM, CAT3, WM, PM and PT.
- 6- PH7 and PHSC are not available with CK, SPG, STM and CAT3.
- 7- MS not available with CK, SPG, STM, CAT3, WM mount. Motion sensor module mounted on pole.
- 8- NLTAIR-MS not available with CK, SPG, STM, CAT3, WM mount. Motion sensor nLight air module mounted on pole.

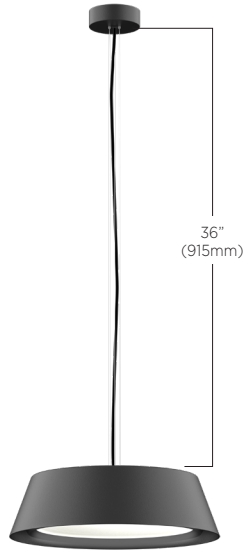
# CT185 SERIES CLERMONT

## MOUNTING DETAILS (FOR EACH)



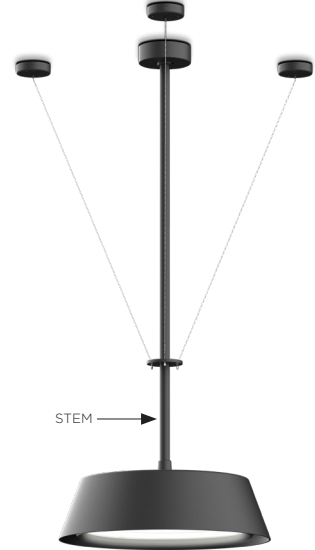
### STEM (STM)

Heavy duty 45° hang straight swivel, with Ø 4.50" (114mm) canopy and universal mounting plate. Ø 7/8" x 36" (22mm x 914mm) suspension stem with aircraft safety cable. Other lengths on request (specify STM with desired length).



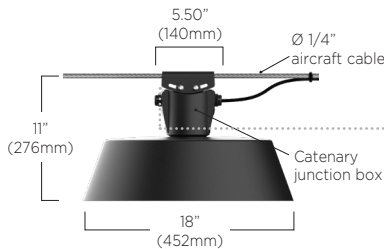
### AIRCRAFT CABLE (SPG)

36" lg. black power cable c/w on site adjustable aircraft cable, consisting of 3 x 36" (610mm) long cables joined Ø 4.50" (114mm) canopy. Other cable length available on request, minimum 18" (total).

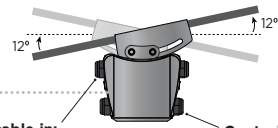


### SSC

Set of three stabilizer cables. For stem mount only.



### ANGLE ADJUSTMENT MECHANISM



**Power cable in:**  
3 conductor x 14 gauge AWG. The 2 cable glands located at the top can accommodate a cable ranging from 10mm - 14mm.

**Control cable in:**  
The 2 cable glands on the bottom can accommodate a cable ranging from 6mm - 11mm.

### CAT3

Cast aluminum catenary junction box with 4 sealed connectors by Luminis and pre-inserted into housing. Ready to accept 1/4" or 1/2" stainless steel suspension cable. Weight: 29.5 lbs (13.4 kg) (Structural design, power cable, control cable, stainless steel catenary cable, cable fittings, and fittings for mounting to support structure provided by others.)

## ELECTRICAL DETAILS



### PHSC

7-PIN receptacle with shorting cap option mounted on top of the fixture housing as shown.



### PH7

7-PIN receptacle with photocell option mounted on top of the fixture housing as shown.



### MS

Motion sensor module, mounted on pole as shown. 270° coverage. (Black or white) will be selected to best match fixture color.

### NLTAIR-MS

nLight AIR 2.0 motion sensor module mounted on pole as shown. AVAILABLE FOR PM AND PT ONLY. 270° coverage. (Black or white) will be selected to best match fixture color.



### HS

HS House side shield. Field installable. Not available for type V.

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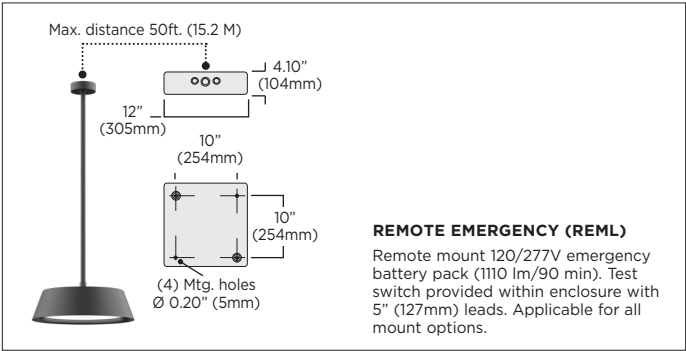
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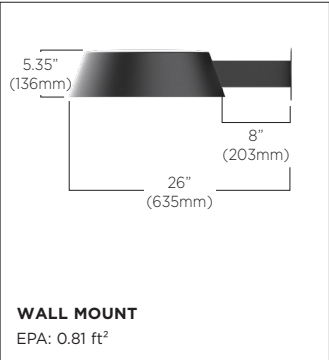
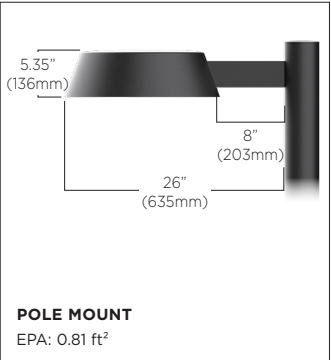
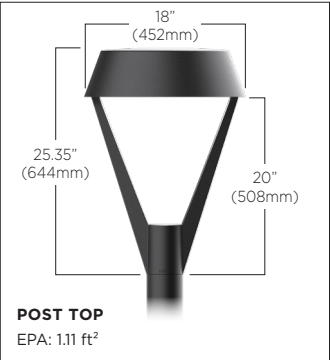
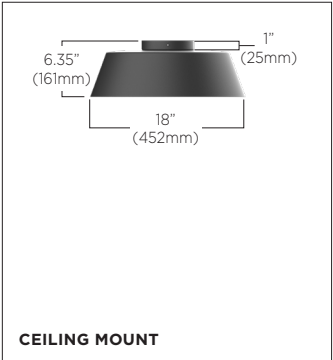
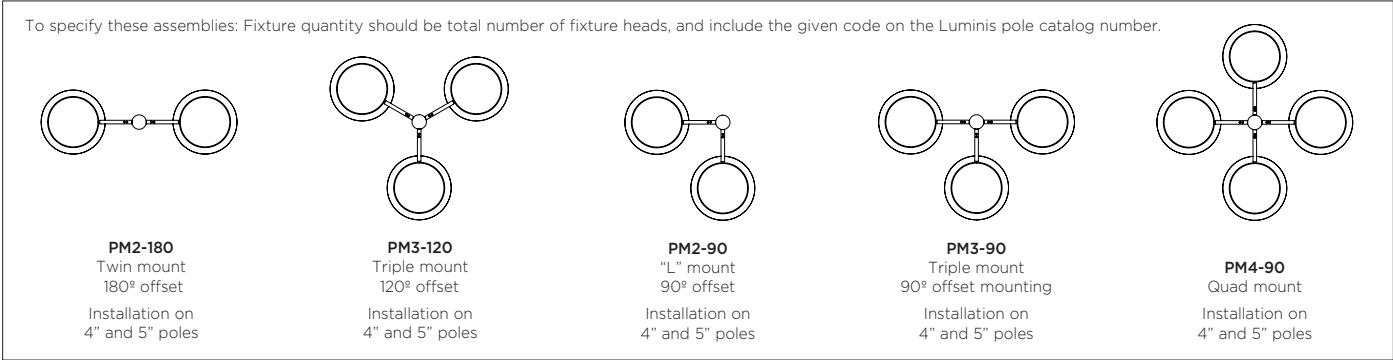
February 2023 Rev. 2

ELECTRICAL DETAILS

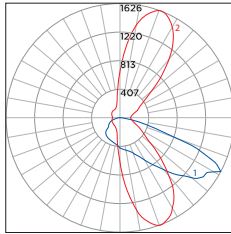
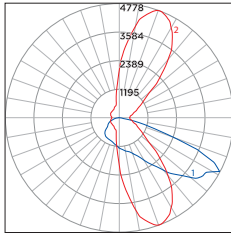
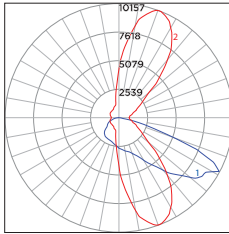
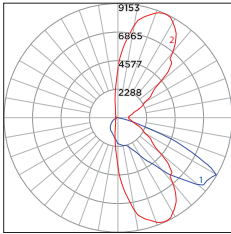
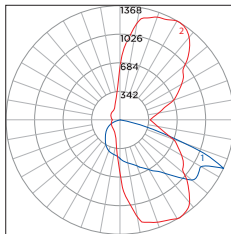
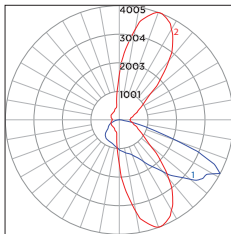
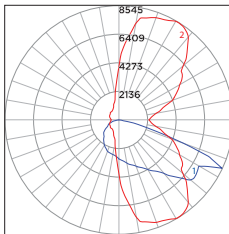
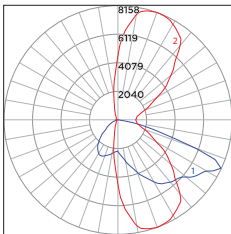
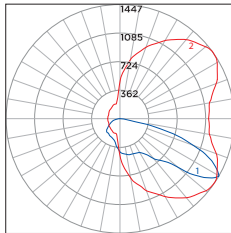
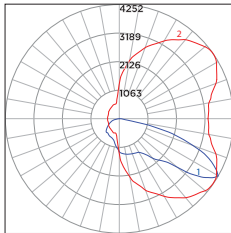
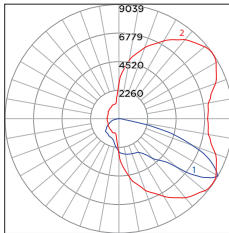
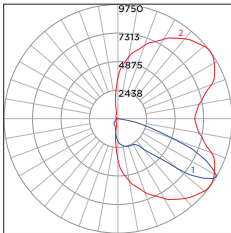
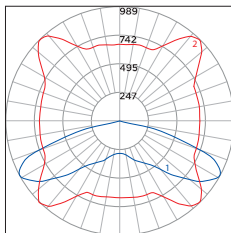
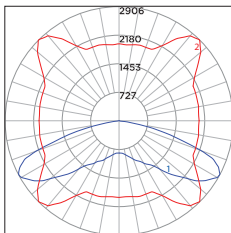
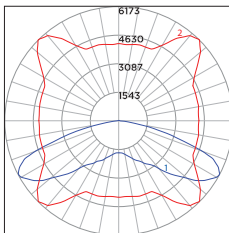


MULTIPLE LUMINAIRE MOUNTINGS

These following 5 configurations are for reference only. They must be selected with the pole. Refer to the separate pole specification for details.



## TYPICAL PHOTOMETRY SUMMARY

	AMBER	TUNABLE WHITE WARM DIMMING	WHITE LED	WHITE LED HOUSE SIDE SHIELD																		
TYPE II	 <p><b>CT185-L1LK2A-TYP2</b> Total Lms: 2509 Lumens Total input watts: 47W Efficacy: 54 Lumens/Watt CCT/CRI: Amber Maximum Candela: 1626 68H/62°V BUG: B1-U0-G1</p>	 <p><b>CT185-L1LWT-TYP2/CT185-L1LDW-TYP2</b> Total Lms: 7374 Lumens Total input watts: 76W Efficacy: 97 Lumens/Watt CCT/CRI: 2700K-5000K Maximum Candela: 4778 68H/62°V BUG: B1-U0-G1</p>	 <p><b>CT185-L1L180-TYP2</b> Total Lms: 15726 Lumens Total input watts: 160W Efficacy: 98 Lumens/Watt CCT/CRI: 4000K/80CRI Maximum Candela: 10157 68H/62°V BUG: B2-U0-G2</p>	 <p><b>CT185-L1L180-TYP2-HS</b> Total Lms: 12299 Lumens Total input watts: 160W Efficacy: 77 Lumens/Watt CCT/CRI: 4000K/80CRI Maximum Candela: 9153 65H/60°V BUG: B2-U0-G2</p>																		
TYPE III	 <p><b>CT185-L1LK2A-TYP3</b> Total Lms: 2612 Lumens Total input watts: 47W Efficacy: 53 Lumens/Watt CCT/CRI: Amber Maximum Candela: 1368 58H/65°V BUG: B1-U0-G1</p>	 <p><b>CT185-L1LWT-TYP3/CT185-L1LDW-TYP3</b> Total Lms: 7650 Lumens Total input watts: 76W Efficacy: 97 Lumens/Watt CCT/CRI: 2700K-5000K Maximum Candela: 4005 58H/65°V BUG: B1-U0-G1</p>	 <p><b>CT185-L1L180-TYP3</b> Total Lms: 15704 Lumens Total input watts: 160W Efficacy: 98 Lumens/Watt CCT/CRI: 4000K/80CRI Maximum Candela: 8545 58H/65°V BUG: B3-U0-G2</p>	 <p><b>CT185-L1L180-TYP3-HS</b> Total Lms: 13807 Lumens Total input watts: 160W Efficacy: 86 Lumens/Watt CCT/CRI: 4000K/80CRI Maximum Candela: 8158 70H/65°V BUG: B2-U0-G2</p>																		
TYPE IV	 <p><b>CT185-L1LK2A-TYP4</b> Total Lms: 2575 Lumens Total input watts: 47W Efficacy: 52 Lumens/Watt CCT/CRI: Amber Maximum Candela: 1447 35H/60°V BUG: B1-U0-G1</p>	 <p><b>CT185-L1LWT-TYP4/CT185-L1LDW-TYP4</b> Total Lms: 7567 Lumens Total input watts: 76W Efficacy: 94 Lumens/Watt CCT/CRI: 2700K-5000K Maximum Candela: 4252 35H/60°V BUG: B1-U0-G2</p>	 <p><b>CT185-L1L180-TYP4</b> Total Lms: 15223 Lumens Total input watts: 160W Efficacy: 95 Lumens/Watt CCT/CRI: 4000K/80CRI Maximum Candela: 9039 35H/60°V BUG: B2-U0-G3</p>	 <p><b>CT185-L1L180-TYP4-HS</b> Total Lms: 12627 Lumens Total input watts: 160W Efficacy: 79 Lumens/Watt CCT/CRI: 4000K/80CRI Maximum Candela: 9750 35H/60°V BUG: B1-U0-G3</p>																		
TYPE V	 <p><b>CT185-L1LK2A-TYP5</b> Total Lms: 2647 Lumens Total input watts: 47W Efficacy: 56 Lumens/Watt CCT/CRI: Amber Maximum Candela: 989 135H/62°V BUG: B1-U0-G0</p>	 <p><b>CT185-L1LWT-TYP5/CT185-L1LDW-TYP5</b> Total Lms: 7779 Lumens Total input watts: 76W Efficacy: 103 Lumens/Watt CCT/CRI: 2700K-5000K Maximum Candela: 2906 135H/62°V BUG: B3-U0-G1</p>	 <p><b>CT185-L1L180-TYP5</b> Total Lms: 16572 Lumens Total input watts: 160W Efficacy: 104 Lumens/Watt CCT/CRI: 4000K/80CRI Maximum Candela: 6173 135H/62°V BUG: B4-U0-G2</p>	<table><tr><th colspan="3">LUMEN CONVERSION FACTOR (LCF)</th></tr><tr><th>CCT</th><th>LCF</th><th>CRI</th></tr><tr><td>2700K</td><td>0.91</td><td>80</td></tr><tr><td>3000K</td><td>0.94</td><td>80</td></tr><tr><td>3500K</td><td>0.98</td><td>80</td></tr><tr><td>4000K</td><td>1.00</td><td>80</td></tr></table> <p>All Photometry shown use the Standard 80CRI 4000K LEDs. Please visit our web site <a href="http://www.luminis.com">www.luminis.com</a> for complete I.E.S. formatted download data</p>	LUMEN CONVERSION FACTOR (LCF)			CCT	LCF	CRI	2700K	0.91	80	3000K	0.94	80	3500K	0.98	80	4000K	1.00	80
LUMEN CONVERSION FACTOR (LCF)																						
CCT	LCF	CRI																				
2700K	0.91	80																				
3000K	0.94	80																				
3500K	0.98	80																				
4000K	1.00	80																				