

# CLED3



## FEATURES

- » BABA Compliant
- » 20kA/10kV Surge Protection
- » Patented 360 degree optic adjustability
- » Scalable Output
- » Standard 0-10V Dimming
- » Silicon Optic Technology
- » Tool-less Driver Housing Access
- » IP66 Construction of Optical and Driver Assembly
- » Zero Up light Rating (U0)
- » 3G Vibration Rating (ANSI C136.31-2001)
- » Designed and Manufactured in Fort Worth, Texas



## ORDERING GUIDE

PRODUCT	OUTPUT <sup>3</sup>	FINISH	CCT/CRI	OPTICS	INPUT VOLTAGE	RECEPTACLE	FUSING
CLED3					A		
CLED3 CONDOR LED 3	02C 02C 03C 03C 04C 04C 05C 05C 06C 06C	Standard Configuration GY GREY	4070 4000K 70CRI	T2 TYPE II T3 TYPE III T4 TYPE IV 5W TYPE V WIDE	A 208V - 480V	BLANK NONE 7P <sup>1</sup> 7 PIN	BLANK NONE F1 1 HOT FUSE F2 2 HOT FUSE
	08C 08C 10C 10C 12C 12C	Custom Configuration* DB DARK BRONZE CC CUSTOM	3070 3000K 70CRI 5070 5000K 70CRI				

### TUNING

BLANK NONE  
FT<sup>2</sup> FTXXXX

- Selection requires one of the following accessories: 36021, 36022, 36023, 36001, 36004
  - FT option allows factory reduction in drive current to meet project specific need. Contact factory for more details  
*\*Additional costs and lead times may apply. Contact factory for more information*
  - Output selection impacts product dimensions; see page 3 for more details
- THIS PRODUCT IS COVERED BY ONE OR MORE OF THE FOLLOWING PATENTS:  
9,677,754 / 9,903,581 / 10,234,128 / 10,571,112

## ACCESSORIES

36035	208-277V PHOTOCELL	24283	90° NUISANCE SHIELD
36036	347-480V PHOTOCELL	24284	180° NUISANCE SHIELD
36001	208-480V WILUME TWIST-LOCK CONTROLLER	24285	360° NUISANCE SHIELD
36004	208-480V SHORTING CAP		

PERFORMANCE CHARTS								
CHIP SET	WATTAGE (W)	OPTICS	3000K		4000K		5000K	
			FLUX (Lm)	EFFICACY (Lm/W)	FLUX (Lm)	EFFICACY (Lm/W)	FLUX (Lm)	EFFICACY (Lm/W)
02C	125	T2	17,130	137	17,758	142	17,854	142
		T3	17,571	140	18,201	145	18,301	146
		T4	17,273	138	17,955	143	18,053	144
		5W	17,883	143	18,588	148	18,689	149
03C	188	T2	25,696	137	26,637	142	26,782	142
		T3	26,356	140	27,302	145	27,451	146
		T4	25,909	138	26,933	143	27,080	144
		5W	26,825	143	27,881	148	28,033	149
04C	251	T2	34,261	137	35,515	142	35,709	142
		T3	35,142	140	36,403	145	36,601	146
		T4	34,546	138	35,911	143	36,106	144
		5W	35,767	143	37,175	148	37,378	149
05C	313	T2	42,826	137	44,394	142	44,636	142
		T3	43,927	140	45,504	145	45,752	146
		T4	43,182	138	44,888	143	45,133	144
		5W	44,708	143	46,469	148	46,722	149
06C	376	T2	51,391	137	53,273	142	53,563	142
		T3	52,713	140	54,604	145	54,902	146
		T4	51,819	138	53,866	143	54,160	144
		5W	53,650	143	55,763	148	56,066	149
08C	547	T2	77,429	142	82,371	151	82,371	151
		T3	79,726	146	84,815	155	84,815	155
		T4	79,320	145	84,383	154	84,383	154
		5W	80,395	147	85,527	156	85,527	156
10C	683	T2	96,786	142	102,964	151	102,964	151
		T3	99,657	146	106,018	155	106,018	155
		T4	99,150	145	105,478	154	105,478	154
		5W	100,494	147	106,909	157	106,909	157
12C	820	T2	116,143	142	123,557	151	123,557	151
		T3	119,589	146	127,222	155	127,222	155
		T4	118,980	145	126,574	154	126,574	154
		5W	120,593	147	128,290	156	128,290	156

CHIP SET	LOADING		LUMEN MAINTENANCE			
	WEIGHT (LB)	EPA	AT 50,000 HRS	AT 100,000 HRS	L70 AT 25°C (CALCULATED)	L70 AT 25°C (REPORTED)
02C - 06C	32	1.12	87%	75%	125,000	>66,000
08C - 12C	45	1.42				

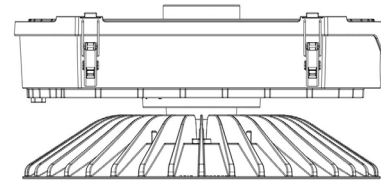
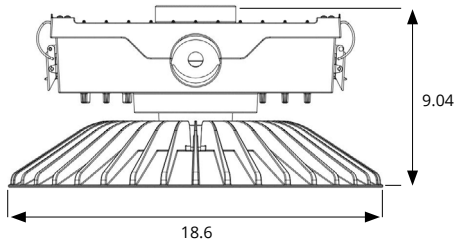
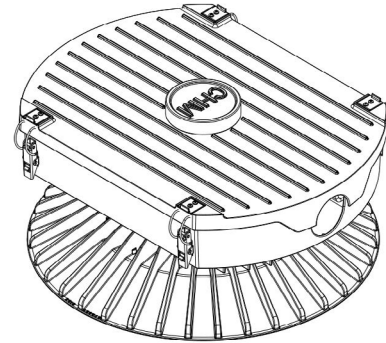
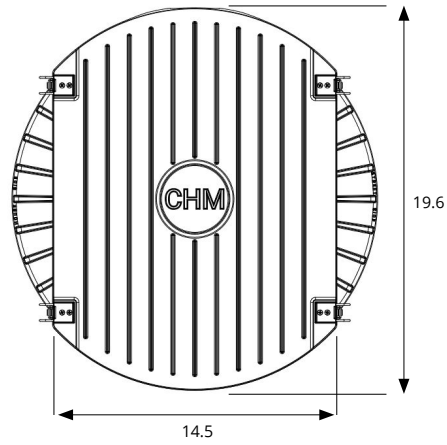
- RATINGS NOTES**
- 1. Published lumen data guaranteed within the output tolerance of EnergyStar requirements
  - 2. Weight will vary based upon selected options. Tolerance on published weight is +/-10%

# CLED3

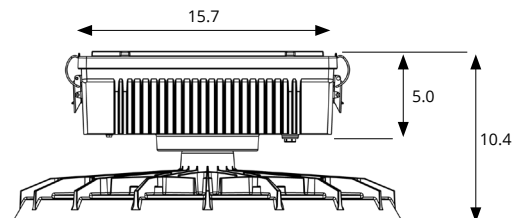
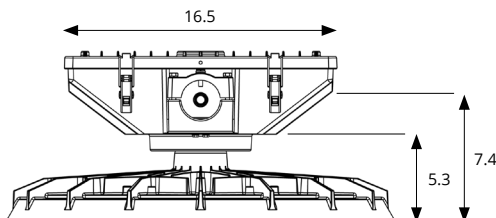
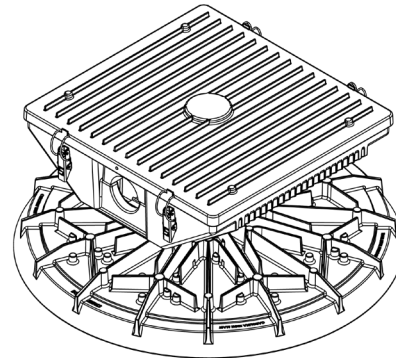
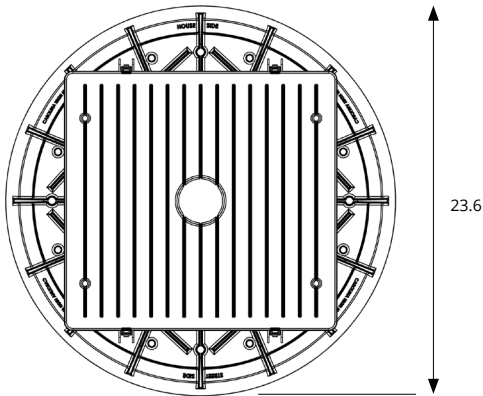
THIRD GENERATION LED HIGH MAST LUMINAIRE

## DIMENSIONS

### 02C - 06C CHIP SET



### 08C - 12C CHIP SET



# CLED3

THIRD GENERATION LED HIGH MAST LUMINAIRE



## SPECIFICATIONS

### GENERAL DESCRIPTION

The CLED3 LED Luminaire is ETL/cETL listed and complies with ANSI/UL1598 and CSA C22.2 No. 250.0 standards. It is designed to operate efficiently in ambient temperatures ranging from -40°C to +50°C. This luminaire has been rigorously tested for surge immunity according to ANSI C136.2, underwent 3G vibration testing, and meets FCC Title 47 requirements.

### HOUSING

To ensure longevity and reliability, the housing features integrally cast cooling fins for effective thermal management of LEDs and drivers. It is compatible with a standard 2" SCH 40 slip mount tenon, allowing for vertical angle adjustments of +/- 5° in 2.5° increments. An IP66-rated cord grip protects incoming power cables against water and dust ingress while providing strain relief.

### ELECTRICAL SYSTEM

The CLED3's drivers are designed to accept specified line voltage within +/- 10% without needing a step-down transformer. They include built-in transient surge protection, compliant with IEEE C62.41 (6kV/6kV). With a minimum power factor of 0.95 and total harmonic distortion not exceeding 20%, these drivers conform to NEMA 410 standards. Additionally, the unit meets FCC Part 15 (Class A) non-consumer limits. Standard features include 0-10V dimming leads and output tuning. A secondary surge protection system provides supplementary coverage in line with IEEE C62.41.2 C High, with a maximum discharge current of 20kVA. The system utilizes two LED drivers, ensuring that failure of one driver does not result in complete luminaire failure.

### LED ASSEMBLY

The optical assembly is crafted from optical-grade silicon, resistant to cracking, fading, and yellowing. Overlapping optical patterns ensure that the failure of any individual LED, LED board, or driver does not affect overall photometric distribution. This effective lighting distribution is achieved without the need for external shields or louvers. The LED modules are mounted on a heat-sinking housing that ensures environmental protection and thermal management, featuring integrally cast cooling fins. The LED housing is fully rotatable for precise field aiming and is marked for easy identification of house and street sides. The IP66-rated housing provides effective illumination while generating zero uplight (U0 rating).

### WARRANTY

The CLED3 LED Luminaire is backed by a minimum five (5) year limited fixture warranty. Extended warranty options are available—please contact CHM for further details.