

AREA & ROADWAY LIGHTING

CMP SERIES - LED

Luminaire

High Impact clear Acrylic Diffusing Lenses provided with durable corrosion resistant cast aluminum housing. Top is hinged for access. Luminaire base has 3" I.D. opening for tenon. All hardware is stainless steel.

LED Power Array

Array of individual LED Tubes fastened to retaining plates. Each LED Tube consists of circuit board populated with a multiple of LED's covered with a gasketed Acrylic Lens and mechanically fastened to an extruded aluminum heatsink. Tubes are sealed to an IP65 Standard.

Area and Roadway Distributions: Acrylic Tube Lenses have individual molded-in refractive optics for each LED and provides concisely tailored beam patterns. LED Tubes are uniquely aimed horizontally and beam patterns combine to produce wide throw, highly efficient IES Distribution Types II, III, IV and V with minimal uplight. Used in conjunction with a clear patterned lenses only.

General Diffused Lighting: Acrylic Tube Lens provides diffusion of the raw LED distributions. Tubes are combined to produce uniform luminance of the outer globe. Used in conjunction with opal lenses only.

Glass Refractor - GRV

LED Tubes are aligned vertically and arranged radially to produce an even raw light distribution that simulates standard light sources. Array is secured within a 6" Prismatic Glass Refractor which provides the optical control. Used in conjunction with clear or clear patterned lenses only.

LED Emitters

High Power White LED's are driven between 350mA and 700mA for a maximum output of 2 Watts nominal. LED's are available in standard Warm White (2700K & 3000K), Neutral White (4000K), or Cool White (5000K). All Standard LED's have a minimum of 70 CRI. Consult Factory for other LED options. Lumen Maintenance of L93 at 100,000 hours (TM-21 calculated at 6x Test Time).

LED Driver

Constant current electronic with a power factor of >0.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50/60Hz. 0-10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field installation.

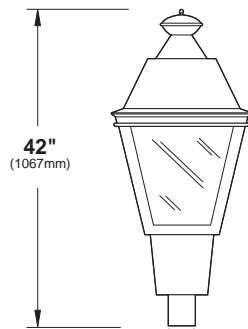
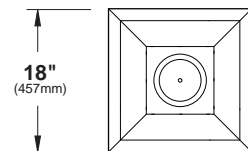
True Amber LED's: TRA-True Amber LED's emit light in the amber spectral bandwidth centered on 585-595nm. True Amber has negligible blue light and is suitable for wildlife.

Finish

Super TGIC polyester powder coating is applied onto a metal substrate this has been pretreated with a four-stage process for maximum adhesion and color retention. The top coat is baked at 400° F for maximum hardness and exterior durability.


CMP

(CMPN model shown)



BABA compliant



U.L. Listed for Wet Location

2023153

SPECIFICATIONS

OPTIONAL STYLES

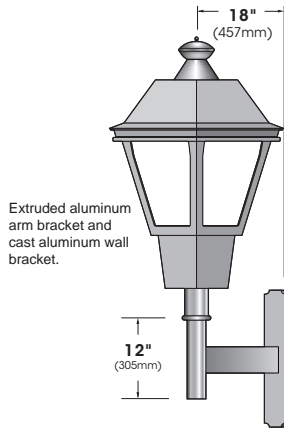


CMPN

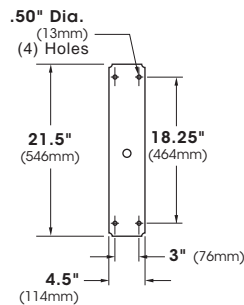


CMPL

WALL MOUNT



WALL PLATE



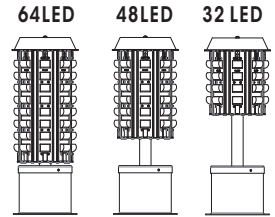
EPA & WEIGHT



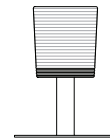
CMP
 Max Weight = 52 lbs
 Max EPA = 3.15
 64LED Max

POWER ARRAY™ MODULES

POWER ARRAY™ 8 Tube Array



GRV - Glass Refractor



ORDERING INFORMATION

Spec/Order Example: CMPL/GRV-V/64LED/350mA/40K/347/3-90/RAL-8019-T/WA/MS-F311

Luminaire - Fitter	Optics	# of LED's	Drive Current	CCT	Voltage	Mounting	Finish	Options
Luminaire	Optics	LED			Voltage	Mounting	Finish	Options
Luminaire & Fitter	Area & Roadway (Clear Patterned Lenses)	# of LED's	Drive Current	Color Temp-CCT	Voltage	Arm Mount	Standard Textured Finish	Lens Options:
<input type="checkbox"/> CMPN <input type="checkbox"/> CMPL	<input type="checkbox"/> PA - II <input type="checkbox"/> PA - III <input type="checkbox"/> PA - IV <input type="checkbox"/> PA - V General Diffuse (White-Opal Lenses) <input type="checkbox"/> PA - SYM	<input type="checkbox"/> 64LED <input type="checkbox"/> 48LED <input type="checkbox"/> 32LED	<input type="checkbox"/> 175mA <input type="checkbox"/> 350mA <input type="checkbox"/> 525mA <input type="checkbox"/> 700mA	<input type="checkbox"/> 27K (2700K) <input type="checkbox"/> 30K (3000K) <input type="checkbox"/> 40K (4000K) <input type="checkbox"/> 50K (5000K) Consult Factory for Other LED Color, CCT, & CRI Options <input type="checkbox"/> TRA True Amber* *TRA Available only in 350mA and 525mA Drive Currents	<input type="checkbox"/> UNV (120-277) <input type="checkbox"/> 347 <input type="checkbox"/> 480	<input type="checkbox"/> 1 <input type="checkbox"/> 2-180 <input type="checkbox"/> 2-90 <input type="checkbox"/> 3-90 <input type="checkbox"/> 3-120 <input type="checkbox"/> 4-90 Wall Mount <input type="checkbox"/> WM Post Top <input type="checkbox"/> PT	<input type="checkbox"/> Black RAL-9005-T <input type="checkbox"/> White RAL-9003-T <input type="checkbox"/> Grey RAL-7004-T <input type="checkbox"/> Dark Bronze RAL-8019-T <input type="checkbox"/> Green RAL-6005-T Premium Finishes <input type="checkbox"/> Rust <input type="checkbox"/> Patina Copper PC	<input type="checkbox"/> Clear Patterned Acrylic CPA <input type="checkbox"/> Clear Smooth Acrylic CA <input type="checkbox"/> Opal Acrylic WA <hr/> <input type="checkbox"/> House Side Shield HS <input type="checkbox"/> High-Low Dimming for Switch (BY OTHERS) Select 25/100 Or 50/100 (EX HLSW25) HLSW* <input type="checkbox"/> Pole Mounted Bluetooth Photo/Motion Sensor. (Factory 50/100 Motion Photo 75 fc) MS-F311 <input type="checkbox"/> Mini-Button Photocell + Voltage PC+V <input type="checkbox"/> Std. Twist Lock Photocell Receptacle TPR <input type="checkbox"/> 7 Pin Twist Lock Photocell Receptacle TPR7 <input type="checkbox"/> Single Fuse SF <input type="checkbox"/> Double Fuse DF
	Glass Refractor (Clear Patterned/Clear Lenses)	<input type="checkbox"/> 36LED <input type="checkbox"/> 32LED	<input type="checkbox"/> 175mA <input type="checkbox"/> 350mA					

ELECTRICAL DATA GUIDE - AMPERAGE CHART

# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
32	175	18.0	0.15	0.09	0.06	0.05	0.04
32	350	35.0	0.29	0.17	0.13	0.10	0.07
32	525	52.0	0.43	0.25	0.19	0.15	0.11
32	700	69.0	0.58	0.33	0.25	0.20	0.14
36	175	21.0	0.18	0.10	0.08	0.06	0.04
36	350	40.0	0.33	0.19	0.14	0.12	0.08
48	175	27.0	0.23	0.13	0.10	0.08	0.06
48	350	52.0	0.43	0.25	0.19	0.15	0.11
48	525	78.0	0.65	0.38	0.28	0.22	0.16
48	700	104.0	0.87	0.50	0.38	0.30	0.22
64	175	36.0	0.30	0.17	0.13	0.10	0.08
64	350	70.0	0.58	0.34	0.25	0.20	0.15
64	525	103.0	0.86	0.50	0.37	0.30	0.21
64	700	138.0	1.15	0.66	0.50	0.40	0.29

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

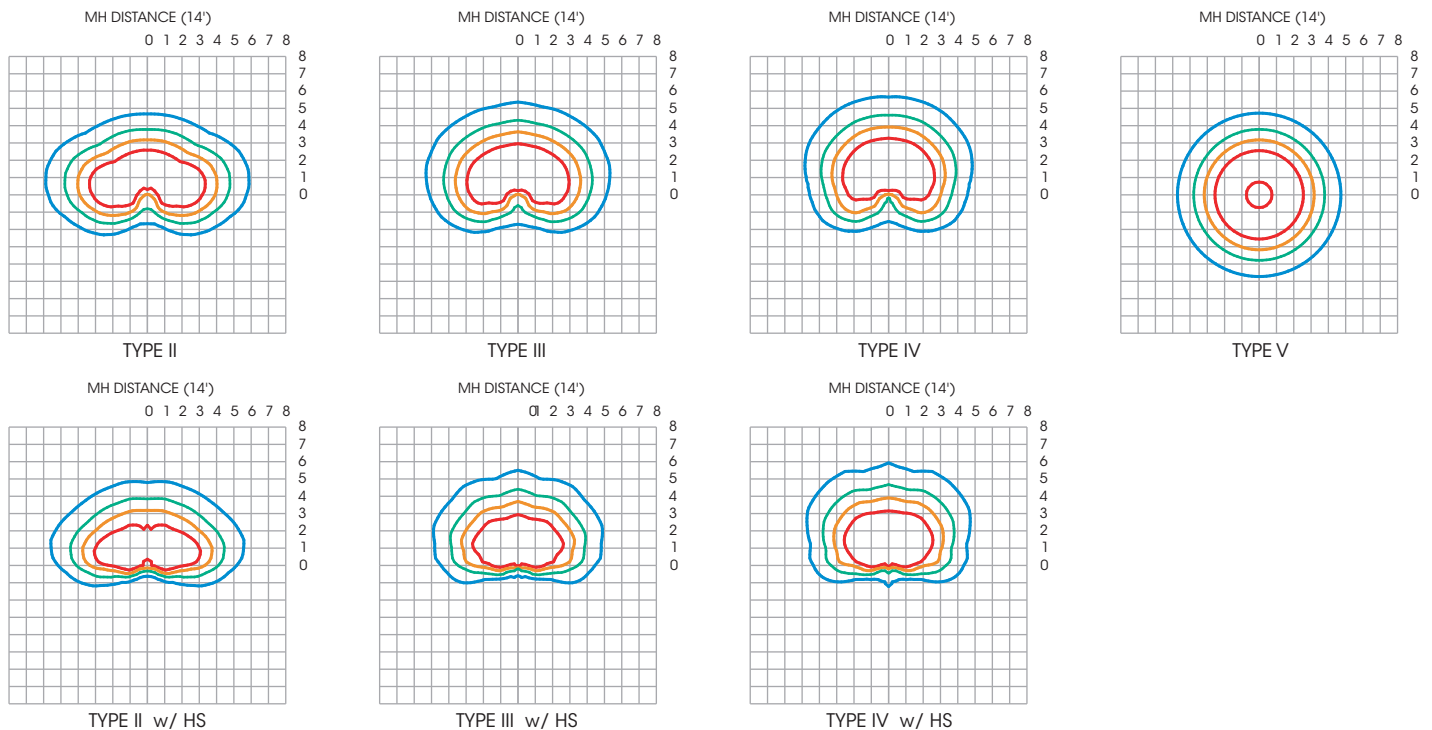
LED LUMEN MAINTENANCE		
LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000	L96	0.96x
100,000 (6X LED Test Hrs)	L93	0.93x
150,000 (Theoretical)	L89	0.90x
200,000 (Theoretical)	L86	0.87x

TM-21 6x Test Time Dictates that L93 > 100,000 Hours.

Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE TEMPLATES

LAA1-PA2-CPA-48LED-700mA-4000K - 14' Mounting Height



IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

