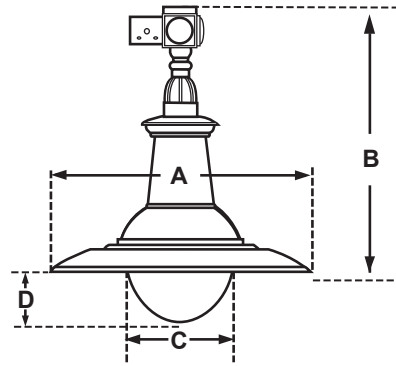


Carmel HID

Project Name	Type
Catalog Number	



Dimensional Drawings






Fixture	A	B	C	D	Max. Watts	Lbs
CRM-1	30"	36"	13"	6"	150 W	60

The **Carmel** combines old world aesthetics with the most advanced reflector technology available today. The lamp is recessed inside the fixture enabling cutoff and even illumination of the luminaire lens. The **Carmel** is ideal for environments where harmony between beauty, quality of light and economy are desired.

The finish is a Quali-Guard® textured, thermoset, polyester powder coat paint in a wide variety of architectural colors to enhance any application. Available in High Pressure Sodium and Pulse Start Metal Halide.

Standard lens is textured borosilicate glass. Stainless steel screws hold the cast aluminum decorative mast arm fitter to the arm; and a reinforced through bolt holds the fixture permanently and securely in place.

The **Carmel** features a premium HPF regulating autotransformer, available in High Pressure Sodium or Pulse Start Metal Halide.

Model	Optics	Wattage	Source	Voltage	Mounting	Finish	Options
CRM-1	Type III R (T3R) 	70 (70)	PS HPS (P) (S)	120 (1)	Mast Arm Fitter *Comes standard (MAP-01)	Bronze (BZ)	<u>Photocell & Receptacle</u> *Specify voltage (PCR120) (PCR208) (PCR240) (PCR277) (PCR480)
		100 (100)		208 (2)		Black (BK)	
	Type V (T5) 	150 (150)	240 (3)	White (WH)		Photocell Receptacle *With shorting cap, uninstalled (PER)	
			277 (4)	Forest Green (FG)		House Side Light Shield (LS)	
			480 (5)	Grey (GY)		Decorative Cast Capital *Mounted to MAP-01 only. Not available w/ PCR. (VAC01) 	
		347 (8)	Silver Metallic (SL)				
					Custom Color (CC)		

PS - Pulse Start
Metal Halide
HPS - High Pressure
Sodium

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.



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Housing

- Durable cast aluminum housing with heavy-duty, one-piece aluminum shade
- All external hardware is stainless steel.

Lens Assembly

- Cast aluminum door frame.
- Lens is textured borosilicate glass. Fixture is sealed with premium silicone gasketing for complete weather and insect protection.

Vision™ Optical System

- High performance vertical lamp, multi-faceted, segmented, 95% reflectance anodized aluminum reflectors. Computer numerical control (CNC) cut and bent for manufacturing precision and consistency. Available in Type IIIIR and Type V IES distribution patterns.

Quali-Guard® Finish

- Aluminum fixture components are chemically pretreated through a multiple-stage washer and finished with an electrostatically applied, thermoset polyester powder coat textured paint with a minimum of 3 to 5 mils thickness. Finish is oven baked at a temperature of 400 °F to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors.
- Finish is guaranteed for two (2) years.

Mounting

- Carmel is designed to mount to a 2 3/8" mast arm. Carmel can replace existing cobra head fixtures with standard MAP-01 Mast Arm Fitter for mast arms.

Electrical Assembly

- All ballasts are premium HPF autotransformers, available in High Pressure Sodium and Pulse Start Metal Halide. Ballast is capable of providing consistent lamp starting down to -20 °F.
- Socket is a glazed porcelain medium or mogul base with nickel plated contacts, rated at 4 kV and 600 V.

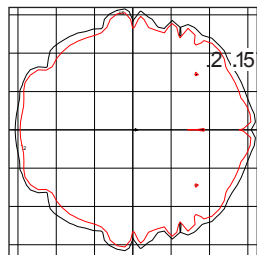
Options

- Photocell & receptacle (located in Mast Arm Fitter)
- Photocell receptacle
- House side light shield

Listings

- Carmel is  listed, suitable for wet locations.
-  compliant.
- Powder Coated Tough™ 
- Vision™ Reflector System (U.S. Patent No. 7,213,948).

Isolux Curve



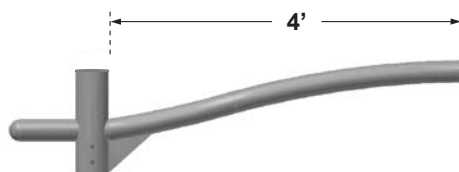
CARMEL-1 ISOLUX CURVE
TYPE V
HIGH PRESSURE SODIUM OPTICS
100 WATTS

Scale: 1 Square = 16 ft
Light Loss Factor = 1.00
Mounting Height = 16 ft
Arrangement: Single

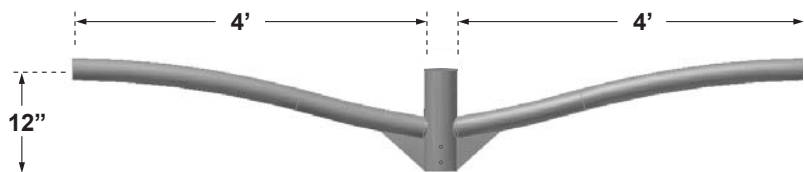
EPA Data

Fixture	Fixture only	One Fixture w/ TNS101-S1	Two Fixtures w/ TNS101-D2
CRM-1	1.7	3.2	5.6

Typical Mounting Arms



TNS101-S1 EPA: 1.5



TNS101-D2 EPA: 2.2

MAP-01 Mast Arm Fitter Dimensions

