

DESCRIPTION

Carmel 450 is an ultra-compact accent/flood fixture for use with T6 ceramic metal halide lamps. Its rugged, contemporary design and wide array of mounting options make ideal for architectural, landscape and sign lighting applications. The adjustable mounting stem provides a full range of aiming from any mounting position. Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

Catalog #	Type
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

A ... Material

Housing and lens cover are die-cast from corrosion-resistant silicone aluminum alloy. Mounting stem is precision-machined from corrosion-resistant 6061-T6 aluminum billet.

B ... Finish

Fixtures are double protected by a chromate conversion undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

C ... High Output Reflector

Specular pebblestone aluminum reflector is standard to provide high lumen output and even illumination.

D ... Gasket

Housing and face plate are sealed with a high temperature silicone o-ring gasket to prevent water intrusion.

E ... Lens

Tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock.

F ... Mounting Stem

Adjustable mounting stem with 1/2" NPS threaded male fitting provides a full range of aiming from any mounting position. Stainless steel aim-locking mechanisms are standard. Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires. Optional mounting arms are also available - see Options below.

G ... Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance.

H ... Socket

Ceramic socket with 250° C Teflon® coated lead wires and G12 bi-pin base.

I ... Ballast

Remote core & coil ballast is standard (120/208/240/277/347V). Maximum remote mounting distance for a core & coil ballast is 50'. Remote electronic ballast (120/277V) is available as an option by adding the prefix "EL" to the ballast/mounting code. Maximum remote mounting distance for an electronic ballast depends upon the ballast manufacturer and may require the use of special low capacitance wire, separate conduit runs for lead wires, or other special installation requirements. See ballast manufacturer's installation instructions or contact the factory for remote mounting distance and installation requirements.

J ... Lamp

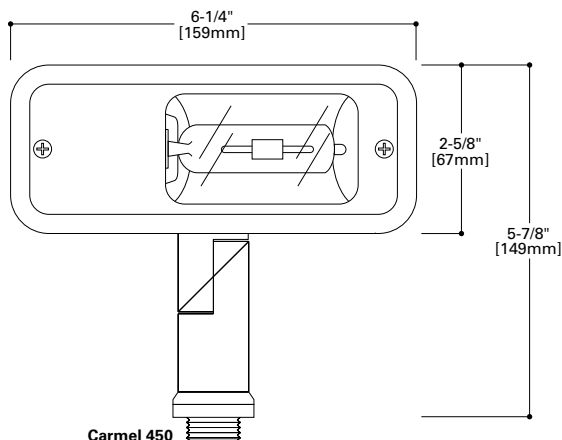
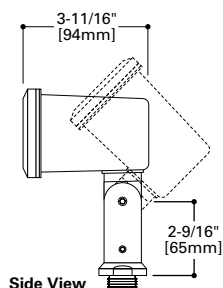
Not included. Available from Lumière as an accessory - see reverse side of this page.

K ... Labels & Approvals

UL and cUL listed, standard wet label. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made.

L ... Warranty

Lumière warrants its fixtures against defects in materials & workmanship for three (3) years. Auxiliary equipment such as transformers, ballasts and lamps carry the original manufacturer's warranty.



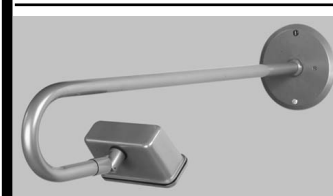
CARMEL 450

**70W (max.) T6
Metal Halide
Accent/Flood**

Arm-Mounting: Straight Arm

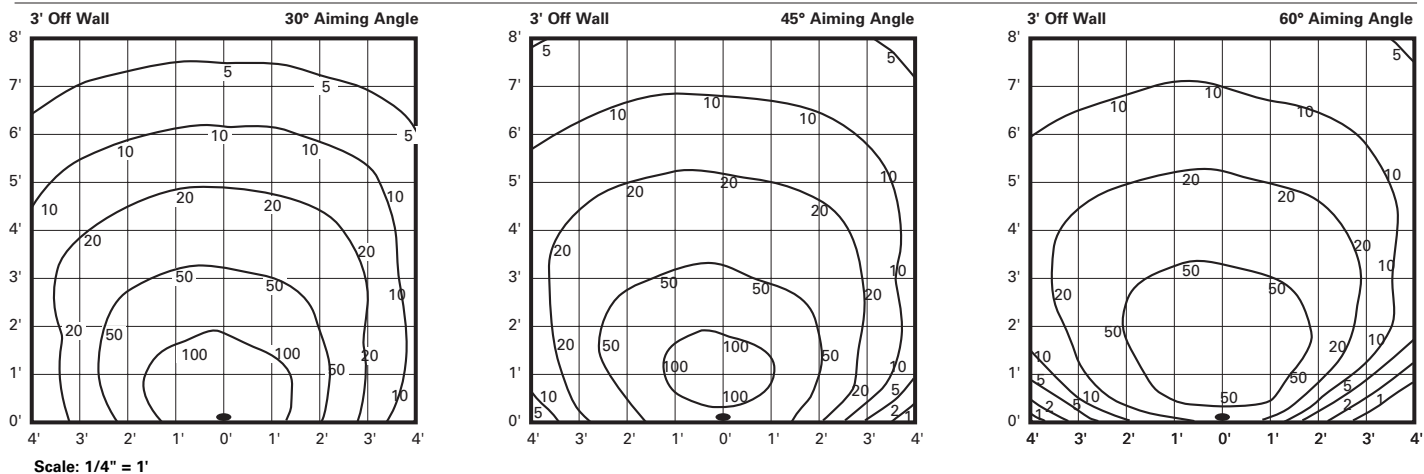


Arm-Mounting: Hook Arm



Carmel 450 Test No. 06850 Lamp=CDM70/T6/830 70 WATT T6 Lumens=6200

ISO Footcandle Plot



LAMP INFORMATION

Lamp	ANSI Code	Watts	Rated Initial Lumens	CRI	°K	Life (hrs.)	Base	Volts
CDM70/T6	M139PO-REM/J/E	70	6600	82	3000	12,000	G12 bi-pin	120-347
CDM39/T6	M130PO-REM/J/E	39	3400	81	3000	12,000	G12 bi-pin	120-347

NOTE: Inferior quality lamps may adversely affect the performance of this product. Use only name brand lamps from reputable lamp manufacturers.

NOTES AND FORMULAS

- Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
- Footcandle values are initial. Apply appropriate light loss factors where necessary.

ORDERING INFORMATION

Series 450 =T6 Carmel Mini Flood Fixture	Voltage 120 =120V 277 = 277V 208 = 208V 240 = 240V 347 = 347V	Mounting MB =Fixture mounts to inground ballast container MBR = Fixture mounts to flat surface, remote inground ballast container SM = Fixture mounts to wall mounted ballast housing, bottom conduit entry WM = Fixture mounts to wall mounted ballast housing, over J-box WR = Fixture mounts to flat surface, remote ballast housing TS = Fixture mounts to ballast housing strapped to tree, bottom conduit entry TSR = Fixture strapped to tree, remote inground ballast container TSR2 = Fixture strapped to tree, remote ballast housing strapped to tree	Finish Painted BK = Black BZ = Bronze CS = City Silver VE = Verde WT = White	Accessories Lamps MHT639 = 39W T6 Metal Halide
Source Metal Halide MH39T6 = 39W Metal Halide T6, G12 Base MH70T6 = 70W Metal Halide T6, G12 Base	Ballast — = Standard Core and Coil Ballast EL = Electronic Ballast ELM = Electronic Ballast, Mini Housing ¹		Options ² SA24 = 24" Straight Arm SA30 = 30" Straight Arm SA36 = 36" Straight Arm HA24 = 24" Hook Arm HA30 = 30" Hook Arm HA36 = 36" Hook Arm	

- Notes: 1 ELM Ballast available with WM, SM & TS Mounting only.
 2 Mounting arms for use with WM or WR Mounting only.
 * Lamp not included.
 * Consult your Cooper Lighting representative for additional options and finishes.