

## DESCRIPTION

Cambria 290 is an ultra-compact MR16 low voltage image projector. Its low-profile design and rugged construction make it suitable for indoor or outdoor image projection applications. The housing design incorporates an integral heat sink that allows the fixture to run cooler, promoting longer lamp life. It accepts industry standard Micro-E steel gobos and is extremely easy to focus. The fully adjustable mounting stem provides 340° tilt and 360° rotation for easy aiming. 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, hood and mounting stem are 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 ... Hood

Hood is removable for easy relamping. Weep holes prevent water and mineral stains from collecting on the lens, even in the straight-up position.

### D ... Gasket

Housing and hood 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 side-mounted swivel stem provides 340° tilt and 360° rotation for easy aiming. Stem is equipped with standard 1/2" NPS threaded male fitting. 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.

### G ... Hardware

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

### H ... Socket

Ceramic socket with 250° C Teflon® coated lead wires and GU5.3 bi-pin base.

### I ... Electrical

Remote 12V transformer required (not included). Available from Lumière as an accessory - see the Accessories & Technical Data section of this catalog for details.

### J ... Lamp

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

### K ... Gobos

Industry standard Micro-E steel gobos provided by others. Standard or custom gobos can be purchased from Rosco Laboratories (800-767-2669 / www.rosco.com).

### L ... Labels & Approvals

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

### M ... 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.



## CAMBRIA

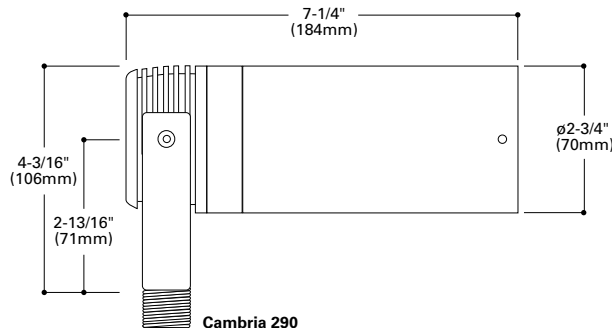
## 290

**75W (max.) MR16**

Halogen

Low Voltage

**Projector**



Test No. 17918

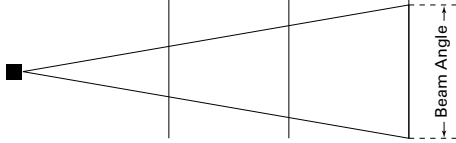
**Cambria 290**

Lamp=75MR16/NSP (EYF)

CBCP=12,300

**Cone of Light**

Peak Focus	8.3fc	3.7fc	2.1fc
Beam Diameter	6'6"	9'10"	13'0"
Distance	10'	15'	20'



**NOTES**

For Beam Diameter at a specific distance multiply distance by beam multiplier

<u>Beam angle</u>	<u>Beam multiplier</u>
36°	0.65

**LAMP INFORMATION**

Lamp	ANSI Code	Watts	Beam Spread	CBCP	°K	Life (hrs.)	Base	Volts
75MR16/NSP	EYF	75	14°	12,300	3050	4000	GU5.3 bi-pin	12

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**  
290=75W Max MR16  
Cambria Projector

**Source**  
**Halogen**  
75MR16=75W Max Halogen MR16,  
GU5.3 Base

**Voltage**  
12=12V

**Finish**  
**Painted**  
BK=Black  
BZ=Bronze  
CS=City Silver  
VE=Verde  
WT=White

**Accessories**

- Filters**
- F71= Peach Dichroic Filter, 2.00" Dia
  - F72= Amber Dichroic Filter, 2.00" Dia
  - F73= Green Dichroic Filter, 2.00" Dia
  - F74= Medium Blue Dichroic Filter, 2.00" Dia
  - F75= Yellow Dichroic Filter, 2.00" Dia
  - F76= Red Dichroic Filter, 2.00" Dia
  - F77= Dark Blue Dichroic Filter, 2.00" Dia
  - F78= Light Blue Dichroic Filter, 2.00" Dia
  - F79= Neutral Density Dichroic Filter, 2.00" Dia
  - F80= Magenta Dichroic Filter, 2.00" Dia
  - F22= Red Color Filter, 2.00" Dia
  - F33= Blue Color Filter, 2.00" Dia
  - F44= Green Color Filter, 2.00" Dia
  - F55= Yellow Color Filter, 2.00" Dia
  - F66= Mercury Vapor Color Filter, 2.00" Dia

- Optical Lenses**
- LSL= Linear Spread Lens (elongate standard beam spread), 2.00" Dia
  - OSL= Overall Spread Lens (increase beam spread), 2.00" Dia
  - DIF= Diffused Lens (provide even illumination), 2.00" Dia

**Optical Louver**  
LVR= Hex Cell Louver (reduce glare), 2.00" Dia

- Lamps**
- EZX- 20W MR16 GU5.3 Bi-Pin Very Narrow Spot
  - ESX- 20W MR16 GU5.3 Bi-Pin Narrow Spot
  - BAB- 20W MR16 GU5.3 Bi-Pin Flood
  - FRB- 35W MR16 GU5.3 Bi-Pin Narrow Spot
  - FRA- 35W MR16 GU5.3 Bi-Pin Spot
  - FMW- 35W MR16 GU5.3 Bi-Pin Flood
  - EXT- 50W MR16 GU5.3 Bi-Pin Narrow Spot
  - EXZ- 50W MR16 GU5.3 Bi-Pin Narrow Flood
  - EXN- 50W MR16 GU5.3 Bi-Pin Flood
  - FNV- 50W MR16 GU5.3 Bi-Pin Very Wide Flood
  - EYF- 75W MR16 GU5.3 Bi-Pin Narrow Spot
  - EYJ- 75W MR16 GU5.3 Bi-Pin Narrow Flood
  - EYC- 75W MR16 GU5.3 Bi-Pin Flood

- Notes:**
- \* Lamp not included.
  - \* 12V remote transformer required - not included.
  - \* See ACCESSORIES & TECHNICAL DATA section of the Lumière catalog for Mounting Accessories, Low Voltage Cable & Transformers.
  - \* Consult your Cooper Lighting Solutions representative for additional options and finishes.