



Product Specification Bulletin

300 Watt

PULSE START

UNI-FORM
PULSE START SYSTEM

Coated - 4K
Mogul - Open Luminaire
Featuring UV Shield®



VERTICAL ± 15°

MP 300W/CN/ED28/UVS/PS

Product Number 71289

Lamp Type

SINGLE ENDED METAL HALIDE

ANSI Designation

M151/O

Performance Data

<i>Light Output (Lumens @ 100 Hrs.)</i>	27500
<i>Lamp Lumens Per Watt</i>	92
<i>Mean Output (Lumens)</i>	22000
<i>Rated Life (Hrs. @ 10 Hr. / Start)</i>	20000+
<i>Correlated Color Temperature K</i>	3700
<i>Chromaticity (CIE -X,Y)</i>	.395 .390
<i>Color Rendering Index (CRI)</i>	70
<i>Typical Warm Up Time (Minutes)</i>	2-3
<i>Typical Hot Restart Time (Minutes)</i>	5-8
<i>Burning Position</i>	VERTICAL ± 15°

Physical Data / Requirements

<i>Base Designation</i>	MOGUL/OPEN (EX39)
<i>Bulb Designation</i>	ED28
<i>Bulb Diameter</i>	3 1/2"
<i>Max. Overall Length (MOL)</i>	8 5/16"
<i>Light Center Length (LCL)</i>	5"
<i>Effective Arc Length</i>	N/A
<i>Max. Base Temperature (°C)</i>	230
<i>Max. Bulb Temperature (°C)</i>	450
<i>Luminaire Type</i>	OPEN
<i>Socket Pulse Rating (KV)</i>	4
<i>Socket Style</i>	OPEN LUMINAIRE MOGUL (EX39)

Electrical Data / Requirements

<i>Lamp Wattage</i>	300
<i>Operating Voltage (Nominal)</i>	135
<i>Operating Current (Amps)</i>	2.45
<i>Min. Open Circuit Voltage (RMS)</i>	254
<i>Min. -Max. Starting Pulse (Peak V)</i>	3000-4000
<i>Min. Pulse Width At 2700 Volts (u sec)</i>	1
<i>Min. Pulse Rate Per 1/2 Cycle</i>	1
<i>Pulse Position (Min. % OCV Peak)</i>	90

Revision: 5/15/2003

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Notes

- ▶ Requires an ignitor for starting.
- ▶ Special open rated socket is required (EX39).
- ▶ UV Shield reduces normal UV emissions by 70-80%.
- ▶ These lamps are open luminaire rated and contain shrouded arc tubes.

Lamps

THIS LAMP CONFORMS TO FEDERAL STANDARD 21 CFR 1040.30

Warning: This lamp can cause skin burn and eye inflammation from shortwave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that will automatically extinguish when outer envelope is broken or punctured are commercially available.