



TECHNICAL BULLETIN METAL HALIDE

EYE Color Arc® M150P36S/B

ANSI Code:

Product Code: 55340

Features:

- Compact PAR36 bulb with Blue Dichroic Coating
- Translucent blue color light
- Dichroic Reflector transfers less heat to lighted objects
- UV-block coating on the outer bulb
- Open fixture rated

PERFORMANCE DATA

Initial lumens at rated watts after 100 hours operation	9500*	Lumens
Beam lumens	1100*	Lumens
Mean lumens (typical)	6650*	Lumens
Beam angle @ 50% peak intensity	28 X 34	Degrees
Peak intensity	7000*	Candela
Rated average life	6000	Hours
Warm up time (90% lumens)	4	Minutes
Correlated color temperature	21000*	K
CIE chromaticity	0.233, 0.278	X, Y
Color rendering index	85*	
Operating Position	Universal	
Time to hot re-start	15 max	Minutes

ELECTRICAL CHARACTERISTICS

Nominal lamp wattage	150	Watts
Nominal lamp voltage	95	Volts
Nominal lamp current	1.9	Amps
Current crest factor	1.8 max	
Min. Starting voltage	198	Vrms
Min. Starting voltage	280	Vpk
Max. Starting current	3.0	Amps
Socket rating	4.0	kV
Dimming capability	No	

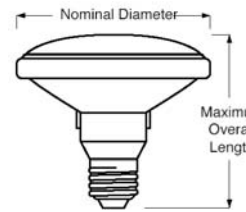
Ignitor Requirements	Option 1	Option 2	
Min. Pulse Height	3.0	3.0	kV
Max. Pulse Height	4.0	4.0	kV
Min. Pulse Width	1.0@2.7	1.9@2.7	µsec@kV
Min. Pulse Repetition	2	1	/half cycle
Pulse Positions	60-90, 240-270	64-110, 244-290	degrees

PHYSICAL DESCRIPTION

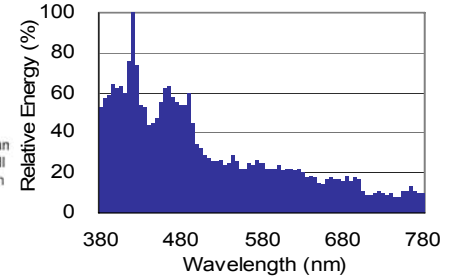
Maximum overall length	4.016(102)	in (mm)
Bulb diameter	4.410(112)	in (mm)
Base to bulb eccentricity	3	Deg Max.
Maximum base temperature	374(190)	°F (°C)
Maximum bulb temperature	752(400)	°F (°C)
Bulb designation	PAR36	
Bulb material	Hard glass	
Arc tube material	Quartz	
Bulb finish (front glass)	UV-block coating	
Bulb finish (reflector)	Dichroic coating	
Base designation	E26 Skirted Medium	

FIXTURE REQUIREMENT

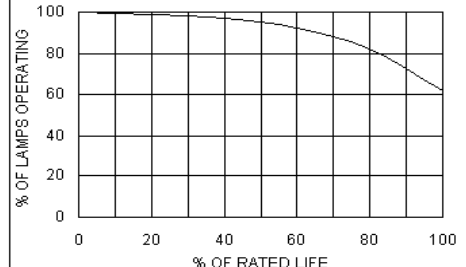
O Rated – Open or enclosed fixtures. Protect lamp from direct contact with water.



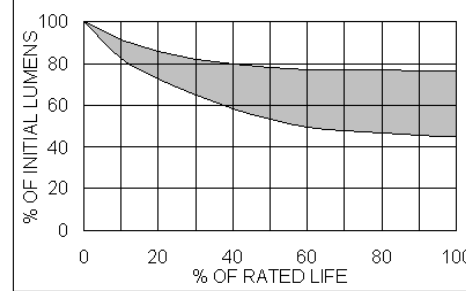
SPECTRAL DISTRIBUTION



LAMP MORTALITY



TYPICAL LUMEN MAINTENANCE



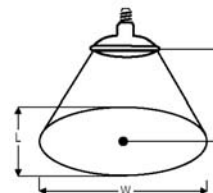
PHOTOMETRIC DATA

Initial Footcandles

Beam Angle at 50% Peak Intensity		28° x 34°	
H (ft)	Foot Candle Center	Beam Diameter L (ft)	Beam Diameter W (ft)
8	109	3.99	4.89
10	70	4.99	6.11
12	49	5.98	7.34
14	36	6.98	8.56
16	27	7.98	9.78

Candlepower Distribution

Beam Angle	Candela
0°	7042
5°	6561
10°	5154
15°	3707
20°	2611
25°	1990
30°	1663
35°	1473
40°	1299
45°	1118
50°	1002
55°	890
60°	809
65°	737
70°	667
75°	606
80°	537
85°	504
90°	473



* Reference value only

ISO 9001:2008 Certified

ISO 14001:2004 Certified

OSHAS 18001:2007 Certified

ISO 17025:2005 Accredited



EYE LIGHTING INTERNATIONAL
OF NORTH AMERICA, INC.

A SUBSIDIARY OF IWASAKI ELECTRIC CO., LTD.

EQS-N-52-78-55340

Address: 9150 Hendricks Rd., Mentor, OH 44060

Phone: 888-66-LAMPS Fax: 800-811-7395 E-Mail: sales@eyelighting.com

Phone: (440) 350-7000 Fax: (440) 350-7001 Web: www.eyelighting.com

6/4/2009



⚠WARNING

This lamp can cause serious skin burn and eye inflammation from short-wave 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 the outer envelope is broken or punctured are commercially available.

RISK OF ELECTRIC SHOCK

- Turn power off before inspection, installation or removal
- Protect lamp from direct contact with liquids to avoid breakage from thermal shock

RISK OF FIRE

- Keep combustible materials away from lamp during operation

UNEXPECTED LAMP RUPTURE MAY CAUSE INJURY, FIRE, OR PROPERTY DAMAGE

- Do not exceed rated ballast voltage
- Do not use lamp if outer glass is scratched or broken.
- Do not use beyond rated life
- Do not turn on lamp until fully installed
- Use only with a fixture and ballast rated for this product
- Turn lamp off at least once a week for 15 minutes
- Electrically insulate any metal to glass support in fixture

⚠CAUTION

RISK OF BURN

- Allow lamp to cool before handling.

LAMP MAY SHATTER AND CAUSE INJURY

- Do not use excessive force when installing lamp
- Dispose of lamp in a closed container

LAMP OPERATING INSTRUCTIONS

This is a discharge lamp and requires some time to restart and come up to full brightness after a power interruption. If power supply dips or is interrupted, lamps may extinguish and not restart. Turn off power supply for 10-15 minutes and allow lamp to fully cool. Lamp will restart when power is restored. The recommended ambient temperature limit for this lamp is -10°C (14°F) minimum, 40°C (104°F) maximum.

R	Conforms to: USA: 21CFR1040.30 Canada: ANSI 136.1-2000
----------	---

Hg-LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws
See: www.lamprecycle.org or 1-888-665-2677