

METALARC® SUPERSAVER®

Energy Saving Replacement Metal Halide Lamps



Constructed with an enhanced arc tube for peak performance, SYLVANIA METALARC and METALARC PRO-TECH® SUPERSAVER lamps are designed as energy saving replacement metal halide lamps. No ballast change is required.

The result of this technology is an energy savings of approximately \$88.00 for the 360 watt SUPERSAVER lamp.*

*Savings based on base-up orientation, \$0.11/kWh and 20,000 hours average rated life (360W)

Key Features & Benefits

360 Watt SUPERSAVER

- Saves up to 40 watts and \$88.00 of energy compared to a 400 watt metal halide lamp*
- Direct retrofit for 400 watt metal halide lamps; operates on a standard 400 watt M59 CWA ballast
- Available in METALARC PRO-TECH lamp design for use in open fixture applications

Product Offering

Lamp	Wattage	PRO-TECH	Finish
MS360/SS	360	No	Clear
MSP360/SS	360	Yes	Clear

Application Information

Applications

- Ambient lighting for industrial, commercial and retail installations
- Canopy lighting
- Flood lighting
- Parking lots
- Security lighting

Application Notes

1. Operating orientation: MS360/SS/ED37 is base up to horizontal, MSP360/SS is for base up applications only.
2. MSP360/SS is designed for use in open fixtures and MS360/SS is designed for use in suitably enclosed fixtures only.

Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Information

Item Number	Ordering Abbreviation	Watts	Bulb	Base ¹	ANSI Ballast	Average Rated Life (hrs.) ²	Initial Lumens	Mean Lumens	CRI	CCT	Lamp Efficacy (LPW)
64041	MS360/SS/BU-HOR/ED37	360	ED37	E39	M165/E	20,000V 17,350H	36,000V 30,000H	21,000V 17,350H	65	4000K	100 83
64737	MSP360/SS/BU-ONLY	360	BT37	EX39	M165/O	20,000	35,000	22,800	65	4000K	97

Notes:

- For lamp wattages of 360W and greater, it is recommended that lampholders with nickel-plated copper alloy center contacts (with spring) should be used rather than electrical contacts made of stainless steel.
- Average Rated Life based on 11 hour per start operation on ANSI approved ballast.

Energy Savings

Lamp Type	Watts	Number of Lamps	Energy Cost per Year	Energy Savings per Year*
M400/U/ED37	400	500	\$125,900	\$0
MS360/SS/BU-HOR/ED37	360	500	\$114,950	\$11,000

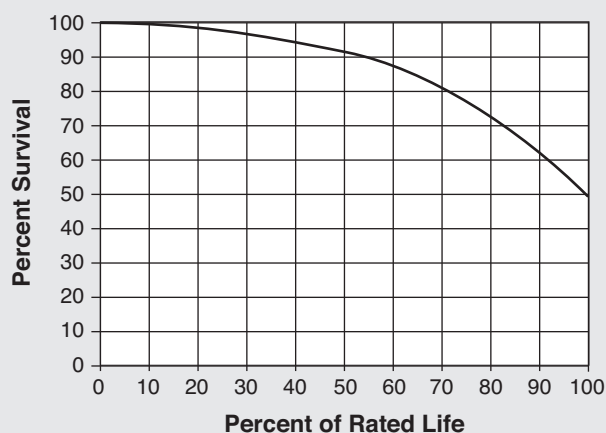
*Base up orientation. Based on \$0.11/kWh, 5000 hours per year; 458W per fixture for the 400W lamp, and 418W fixture for the 360W lamp.

Ordering Guide

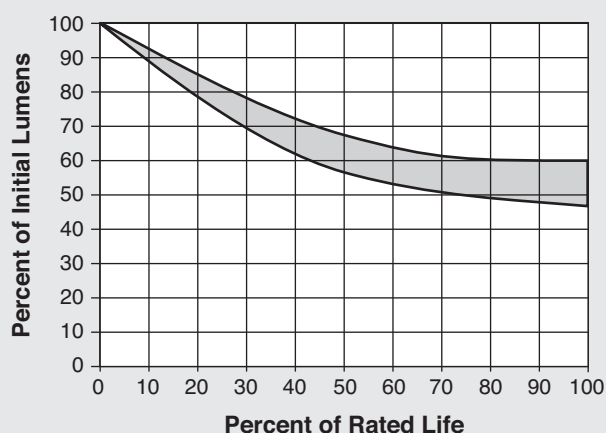
MS or MSP	360	/	—	/	SS	/	BU-HOR	/	BT37
METALARC® SUPERSAVER® or METALARC PRO-TECH® SUPERSAVER High Output Metal Halide	Wattage: 360 watts		Finish: — = Clear		SUPERSAVER		Operating position: BU-HOR = Base up to horizontal BU-ONLY = Base up only		Bulb Size: BT37 ED37

Technical Information

Typical Mortality Curve – Base Up Operation

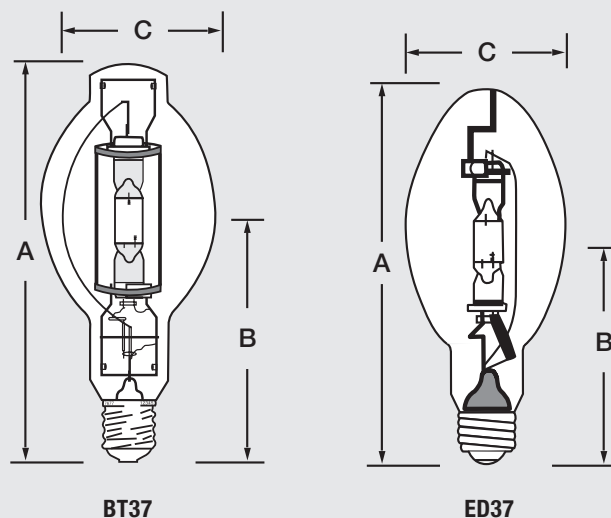


Typical Lumen Depreciation – Base Up Operation



Lamp Dimensions

Ordering Abbreviation	(A) MOL	(B) LCL	(C) Bulb Diameter
BT37/ED37	11-1/2"	7"	4-5/8"



Sample Specification

Lamp(s) shall be (a) METALARC PRO-TECH® SUPERSAVER® MSP360/SS/BU-ONLY energy saving metal halide lamp(s) for use in open fixture(s).

Safety Information

WARNING: This lamp can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation if the 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.

This product conforms to the following federal regulations: U.S.A.: 21 CFR 1040.30 and CANADA: SOR/80-381

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