



METALARC PRO-TECH® PAR38 / ECO™

Open Fixture PAR38 Metal Halide Lamps

- Operate in open or enclosed fixtures
- Pass existing Federal TCLP limits¹
- METALARC PRO-TECH® design – glass shroud for containment and UV reduction: Nominally 40% less UVA and 85% less UVB compared to standard metal halide lamps
- ±200K maximum color shift over life
- 8,500-hour average rated lamp life
- Universal operating position
- Available in three wattages and three beam spreads

SYLVANIA METALARC PRO-TECH® PAR38 / ECO™ lamps provide the light quality of SYLVANIA's low wattage metal halide lamps, the assurance of safety found in the METALARC PRO-TECH design, and the flexibility of a PAR lamp.

SYLVANIA METALARC PRO-TECH PAR38 / ECO lamps provide high illumination levels to accent featured displays and provide architectural highlighting. They are designed to contain in the unlikely event of an arc-tube rupture.

The lamps can be used in either track or recessed fixtures, and are suitable for operation in any operating orientation.

SYLVANIA METALARC PRO-TECH PAR38 / ECO lamps utilize a lead free solder and pass the existing federal TCLP limits.¹

ECOLOGIC™ is a comprehensive program of OSRAM SYLVANIA focused on addressing environmental issues at all stages of lamp life.



PRODUCT AVAILABILITY

Watts	Beams
70, 100 and 150 watts	20° spot, 35° flood and 65° very wide flood

INSTALLED SAVINGS

Lamp Type	Av. Rated Life (hrs.)	CBCP
MP70PAR38/U/FL35/ECO	8,500	10,000<35°
90PAR/CAP/FL	2,500	3,750<30°
Results	More than three times the lamp life	More than twice the initial center beam candle power

APPLICATION INFORMATION

Applications

- Retail stores and malls
- Lobbies and office areas
- Airports and convention centers
- Landscape lighting
- Architectural lighting
- Sign lighting

Sockets

- Lamps use the same pulse rated medium base sockets as standard low wattage metal halide lamps

Fixtures

Contact your local fixture agent for available fixtures

ORDERING AND SPECIFICATION INFORMATION

Item Number	Ordering Abbreviation	Watts	ANSI Spec. Number	Beam Angle/ CBCP	Approx. Mean CBCP	Av. Rated Life (hrs.)	Color Temp.	CRI
64590	MP70PAR38/U/SP20/ECO	70	M98	20° / 18,000	13,500	8500	3200K	75
64592	MP70PAR38/U/FL35/ECO	70	M98	35° / 10,000	7,500	8500	3200K	75
64594	MP70PAR38/U/VWFL65/ECO	70	M98	65° / 3,000	2,250	8500	3200K	75
64580	MP100PAR38/U/SP20/ECO	100	M90	20° / 26,000	19,500	8500	3200K	75
64582	MP100PAR38/U/FL35/ECO	100	M90	35° / 12,000	9,240	8500	3200K	75
64584	MP100PAR38/U/VWFL65/ECO	100	M90	65° / 4,500	3,510	8500	3200K	75
64593	MP150PAR38/U/SP20/ECO	150	M102	20° / 34,000	25,500	8500	3200K	75
64597	MP150PAR38/U/FL35/ECO	150	M102	35° / 17,000	12,750	8500	3200K	75
64599	MP150PAR38/U/VWFL65/ECO	150	M102	65° / 7,500	5,625	8500	3200K	75

Notes:

- TCLP claims based on OSRAM SYLVANIA's TCLP test protocol. Some states and localities have lower limits than the Federal TCLP standard and have different disposal regulations for mercury containing lamps
- Average rated life based on 10 hours per start on ANSI ballast
- In actual applications on a commercial ballast the mean center beam candle power will be higher
- For higher CRI, use SYLVANIA DESIGNER SERIES METALARC PRO-TECH® ED17 and PAR30 metal halide lamps

* DESIGNER SERIES METALARC is a trademark of OSRAM SYLVANIA Inc. METALARC PRO-TECH is a registered trademark of OSRAM SYLVANIA Inc.

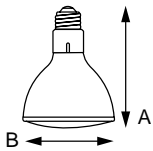
SAMPLE SPECIFICATION

Lamp(s) shall be (a) METALARC PRO-TECH PAR38 / ECO lamp(s) for use in open or enclosed luminaires with an 8,500-hour average rated life. Lamp(s) shall exhibit a correlated color temperature of 3200K, a maximum color shift of ±200K over life, and a CRI of 75. Lamp(s) shall pass the existing Federal TCLP limits.

ORDERING GUIDE

MP	70	PAR38	/	U	/	FL35	/	ECO
METALARC PRO-TECH® Metal Halide	Wattage: 70, 100 or 150 watts	Parabolic Reflector		Universal operating position		Beam type and degrees SP=Spot 20, FL=Flood 35 or VWFL=Very Wide Flood 65		ECOLOGIC™

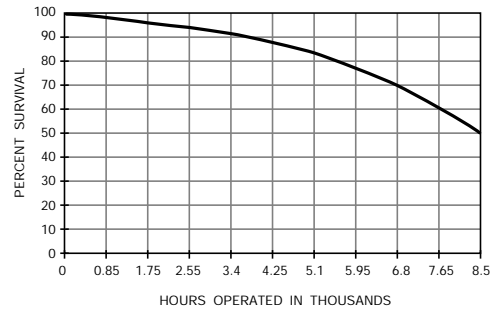
DIMENSIONS



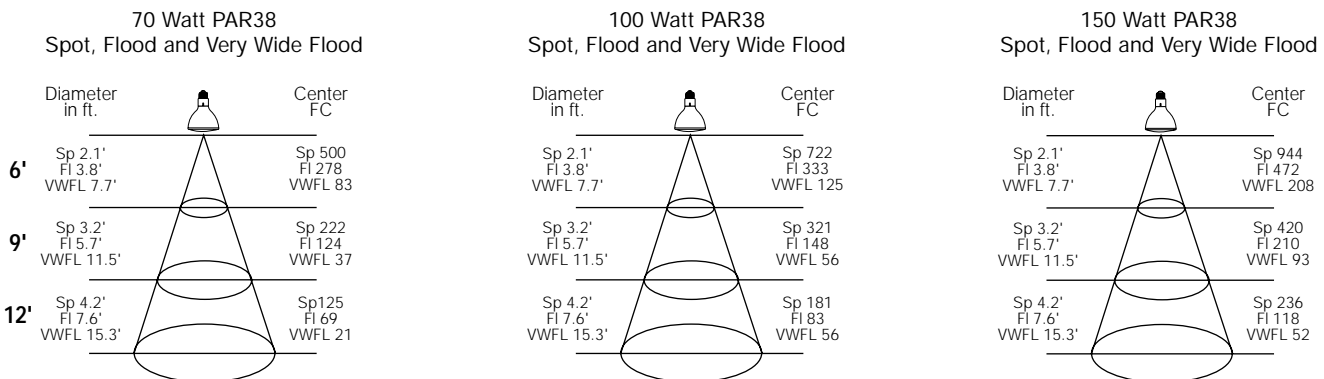
(A) MOL	(B) Bulb Diameter
5.3"	4.75"

TECHNICAL INFORMATION

Mortality Curve



Center Beam Footcandles and Beam Diameter at 6', 9', and 12' from Light Source



FOR ORDERS AND GENERAL INFORMATION

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