

Product Information Bulletin

HQI®

Compact, High CRI Metal Halide Lamps



- Excellent CRI, up to 93
- High luminous efficacy
- Available in warm white and cool white correlated color temperature
- Compact single ended or double ended design for optimal fixture efficiency
- Low thermal output
- Long life
- Double-ended contacts allow for exact fixture alignment
- Operate in enclosed fixtures
- UV-Stop outer jacket

SYLVANIA HQI® metal halide lamps combine excellent brightness, long life and high CRI in a compact package for optimal lamp performance.

The HQI family of metal halide lamps is manufactured with the addition of rare earth metal halides to improve color rendering and luminous efficacy. With their compact size and very short arc discharge length, these lamps come very close to being a point source of light allowing luminaire manufacturers to design highly efficient fixtures. The very high color rendering, white light, compact size, long life and high efficacy make these lamps ideal for replacing tungsten halogen in certain retail applications.

Lamp Comparison

70 Watt HQI Double Ended

Lamp Type	Fixture	Initial Lumens	Mean Lumens	Color Temp.	CRI	Avg. Rated Life (Hrs)
SYLVANIA HQI-DE 70/WDX	Enclosed	4700	4300	3000K	80	10,000
SYLVANIA M70T6/DE	Enclosed	5200	3550	3200K	70	7500

Results: Significantly higher color rendering

Application Information

Applications

Retail stores
Supermarkets
Malls
Lobbies
Foyers
Office areas
Fiber optics

Fixtures

Lamps are rated for use in enclosed fixtures
Contact your local fixture agent for available fixtures

Product Availability

Wattages	Bulb Shape	Base
70	T-6 Double Ended	RSC
70	T-7.5 Single Ended	G12
150	T-7 Double Ended	RSC
150	T-7.5 Single Ended	G12
250	T-9.5 Double Ended	Fc2
250	T-14.5 Single Ended	Mogul
400	T-14.5 Single Ended	Mogul

Sample Specification

Lamp(s) shall be (a) HQI lamps for use in enclosed fixture application. Lamp(s) shall be compact in size for optimum fixture efficiency and have a CRI of 80 or greater (80 through 93).

Ordering and Specification Information

Item Number	Ordering Abbreviation	Watts	Bulb	Base	ANSI Spec.#	Avg. Rated Life (hrs.) ¹	Initial Lumens	Mean Lumens	CCT	CRI
Double Ended HQI (Enclosed Fixtures Only)										
64360	HQI-DE 70/WDX	70	T-6	RSC	M85DC	10,000	4700	4300	3000K	80
64362	HQI-DE 70/NDX	70	T-6	RSC	M85DC	8000	5500	3800	4000K	81
64364	HQI-DE 70/WDX-E	70	T-6	RSC	Note 2	10,000	6000	4900	3000K	85
64366	HQI-DE 150/WDX	150	T-7	RSC	M81AJ	10,000	11,000	9000	3000K	81
64368	HQI-DE 150/NDX	150	T-7	RSC	M81AJ	10,000	11,250	9500	4200K	85
64374	HQI-DE 250/NDX	250	T-9.5	Fc2	M80DR	10,000	20,000	16,000	4200K	85
64378	HQI-DE 250/DX	250	T-9.5	Fc2	M80DR	10,000	20,000	15,500	5000K	93
Single Ended HQI (Enclosed Fixtures Only)										
64354	HQI-SE 70/WDX	70	T-7.5	G12	M85PP	9000	5200	4150	3000K	80
64356	HQI-SE 150/WDX	150	T-7.5	G12	M81PP	9000	12,000	8900	3000K	80
64342	HQI-SE 150/NDX	150	T-7.5	G12	M81PP	9000	12,500	8900	4200K	85
64350	HQI-SE 250/DX	250	T-14.5	Mogul	M80PN	9000	19,000	16,000	5000K	90
64352	HQI-SE 400/DX	400	T-14.5	Mogul	S51AG	9000	33,000	24,000	5200K	90
Integrated Dichroic Reflector HQI (Enclosed Fixtures Only)										
64339	HQI-R 150/NDX/FO	150	R30	Note 3	M81	9000	11,000		4200K	85

Notes:

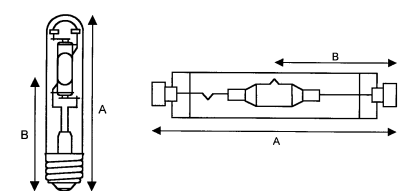
1. Average rated life based on 10 hours per start on ANSI ballasts.
2. This lamp is for use with Powertronic ballasts only.
3. AMP UNIVERSAL MATE-N-LOCK.

Ordering Guide

HQI	-	DE	70	/	WDX
		Double Ended or Single Ended	70, 150, 250, 400 watts		Warm or Neutral white delux

Dimensions

	(A) MOL	(B) LCL	(C) Diameter
70 W double-ended	4.5"	2.25"	0.75"
150 W double-ended	5.2"	2.6"	0.88"
250 W double-ended	6.42"	3.21"	1.19"
70 W single-ended	3.31"	2.2"	0.94"
150 W single-ended	3.31"	2.2"	0.94"
250 W single-ended	8.86"	5.91"	1.81"
400 W single-ended	9.84"	5.74"	1.81"



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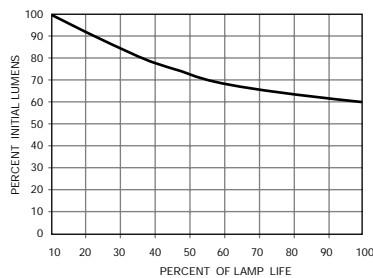
Phone: 1-800-263-2852
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Technical Information

Typical Lumen Depreciation



Typical Mortality Curve

