



by



High Colour Rendering Metal Halide

Clean Arc™ Clean Ace™

Virtual Daylight Metal Halide

Higher Color Rendering Index of 90 (CRI)

- Assures accurate rendering of colours.

6 500 Kelvin color temperature

- Equals the color of light generated by the sun at mid-day.

Color spectrum

- Color appearance provides a feeling of being bathed in natural sunlight.

Clean Arc™

- Lamps operate in existing fixtures with conventional CWA ballasts for ANSI M58 and M59 lamps, making it an upgrade from conventional to High Performance metal halide.

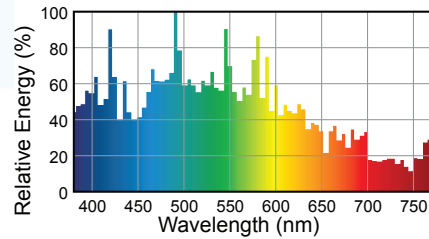
Clean Ace™

- Lamps operate with reactor mercury ballasts for ANSI H37 and H33 lamps.
- Clean Ace™ metal halide lamps upgrade a mercury lighting system to “virtual daylight” with a simple change of a lamp.

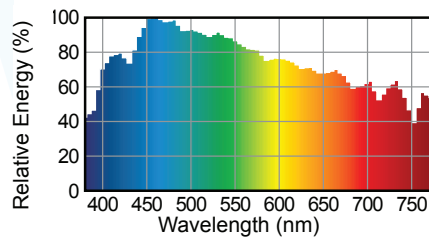
APPLICATIONS

- Retail
- Painting / printing
- Aquariums
- Sports
- Manufacturing

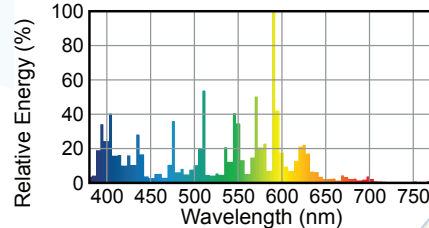
EYE Clean Arc™ spectral distribution



Daylight (D65*) spectral distribution



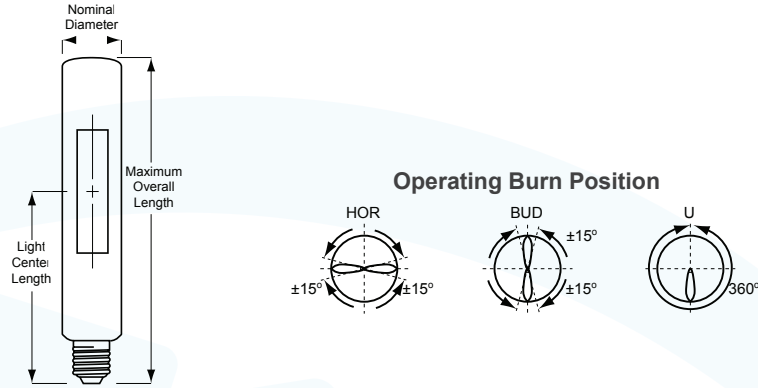
Traditional metal halide spectral distribution



*D65: A conventional illuminant that CIR (International Commission on Illumination) recommends for use in computing object's colours.



High Colour Rendering
Metal Halide
Clean Arc™
Clean Ace™
Virtual Daylight Metal Halide



Clean Arc™, Clean Ace™ - Lamp Dimensions

	250 W T15	400 W T15	400 W T17
Nominal Diameter	1.890 in. 48 mm	1.890 in. 48 mm	2.165 in. 55 mm
Max. Overall Length	9.685 in. 246 mm	11.614 in. 295 mm	11.496 in. 292 mm
Light Center Length	6.142 in. 150 mm	7.283 in. 185 mm	7.126 in. 181 mm

Clean Arc™ - Operate with CWA Metal Halide Ballast

Order Code	Description	Bulb	Base	Watts	ANSI Code	CRI	Colour Temp. (K)	Avg. Life (Hours)	Initial Lumens	Mean Lumens	Burn Position	Fix. Req.	Case Qty.
58833	MT250D*	T15 Clear	Mogul	250	M58	90	6500	10000	18000	13500	U	E	12
60283	MT400D/HOR*	T17 Clear	Mogul	400	M59	90	6500	12000	29000	22000	HOR	E	12
60284	MT400D/BUD*	T15 Clear	Mogul	400	M59	90	6500	12000	32000	24000	BU/BD	E	12

Clean Ace™ - Operate with Reactor Mercury Ballast

Order Code	Description	Bulb	Base	Watts	ANSI Code	CRI	Colour Temp. (K)	Avg. Life (Hours)	Initial Lumens	Mean Lumens	Burn Position	Fix. Req.	Case Qty.
10571	MT250DL*	T15 Clear	Mogul	250	H37	90	6500	10000	18000	13500	U	E	12
10573	MT400DL/BH*	T17 Clear	Mogul	400	H33	90	6500	12000	29000	22000	HOR	E	12
10575	MT400DL/BUD*	T15 Clear	Mogul	400	H33	90	6500	12000	32000	24000	BU/BD	E	12

Fixture Requirements:

E= Enclosed fixture required, O= Open fixture permissible. *Nominal lamp characteristics may vary for different ballast models.

WARNING: This lamp can cause serious 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 the outer envelope is broken or punctured are commercially available.

This lamp complies with U.S. Federal Standard 21 CFR 1040.30