

MH/HPI Metal halide

MH-T Artcolour



MH-T

Product Description

- Single-ended Metal Halide lamp emitting variant colors (Red, Violet, Blue and Green) consisting a quartz discharge tube, and a clear tubular gas-filled glass bulb.

Product Feature

- Quartz discharge tube containing high-pressure mercury, and mixture of certain metal halides (Thallium, Indium, Sodium, Lithium), which contributes to different color.
- There are four colors available—Red, Green, Violet and Blue.
- Relatively higher lumen efficacy than other lamps with expensive filter.
- Tubular clear glass bulb.
- Burning position horizontal +/- 20°.

Product Benefit

- Ideal cost and energy saving solution for color flood lighting
- Specially designed to retrofit with HPI to directly replace from normal white to color flood lighting

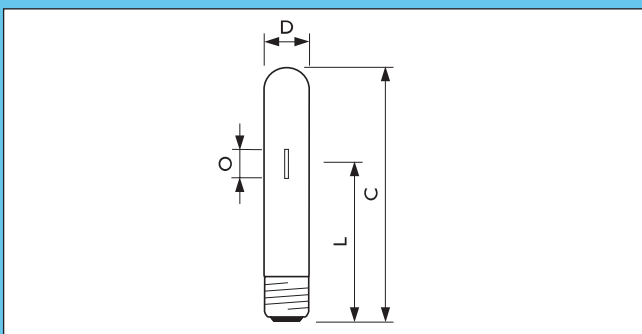
Application

- Decorative flood lighting—buildings (hotels, pavilions), landmarks (statues towers, monuments), parks, tourist resorts
- Multi-functional lighting—promotional lighting, seasonal lighting, event lighting (festivals, Christmas).

Luminaires

- MH-T Color lamps must be used in a luminaire with a hard-glass cover to protect against possible discharge tube shattering

Dimensions in mm



	Overall length	Diameter	Light center length	Arc length
Product ID	C max.	D max.	L nom.	O nom.
400W	283	47	168	44.5

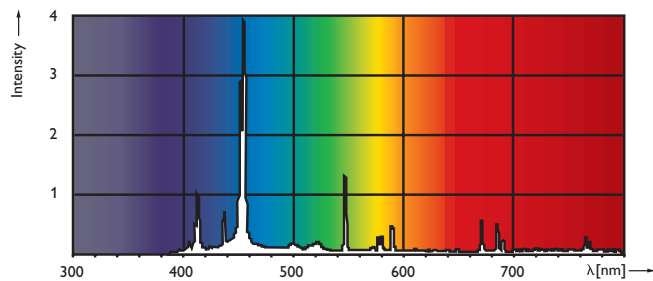
Preferred selection

Product ID	Rated Lamp Wattage (W)	Lamp Voltage (V)	Cap Base	Chromaticity Coordinate X	Chromaticity Coordinate Y	Bulb Finish
Artcolour MH-T 400W Blue E40 SLV	400	120	E40	210	160	Clear
Artcolour MH-T 400W Green E40 SLV	400	120	E40	240	600	Clear
Artcolour MH-T 400W Red E40 SLV	400	120	E40	360	250	Clear
Artcolour MH-T 400W Violet E40 SLV	400	120	E40	300	190	Clear

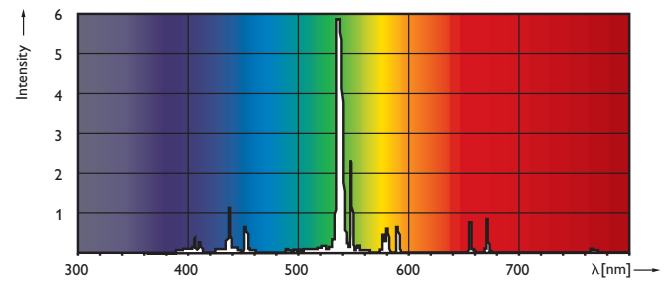
Product ID	Luminous Flux Lamp EM/CuFe (lm)	Lamp Current Run-Up (A)	Ignition Supply Voltage min. (V)	Nett Weight Product In Grams (gr)
Artcolour MH-T 400W Blue E40 SLV	10000	3.4	198	217
Artcolour MH-T 400W Green E40 SLV	30000	3.4	198	217
Artcolour MH-T 400W Red E40 SLV	18000	6	198	217
Artcolour MH-T 400W Violet E40 SLV	10000	3.4	198	217

Spectral power distribution

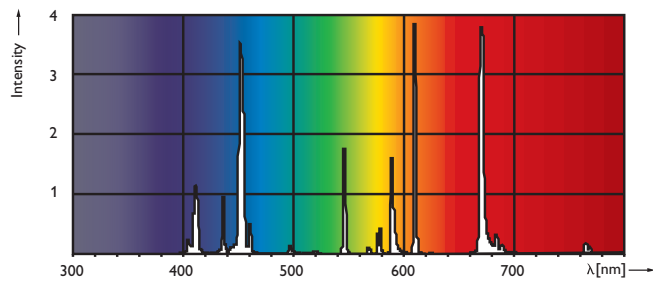
MH-T Blue



MH-T Green



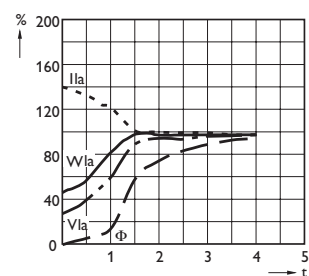
MH-T Violet



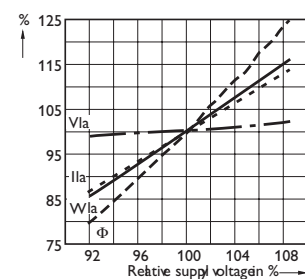
Performance diagrams

MASTER MHN-SA

Lamp performance during run up



Effects of mains voltage variations



- I_{la} = Lamp current
- Φ = Luminous Flux
- V_{la} = Lamp Voltage
- W_{la} = Lamp Wattage