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Mercury Vapour Lamps	407
Metal Halide Tubular Double Ended Lamps	408
Metal Halide Tubular Single Ended Lamps	410
Metal Halide Mogul E39 Base Lamps	413
Metal Halide Tubular Single Ended E40 Lamps	414
High Pressure Sodium Elliptical and Tubular Lamps ..	415

Mercury Vapour lamps



High pressure mercury vapour lamps consist of a quartz discharge tube encased in a glass bulb coated internally with a fluorescent phosphor which converts the UV radiation emitted by the tube into visible light, particularly at the red end of the spectrum which older style mercury vapour lamps lacked. Although mercury vapour lamps have been replaced in some applications by newer lamp technologies they are still a practical light source for exterior and commercial illumination due to their low system cost, long life and colour temperature

Features

- Coated elliptical bulb
- High pressure (complies with safety requirements of IEC 62035)
- Full luminous flux occurs approximately five minutes after starting
- Colour temperature of 4000K

Application

- For commercial lighting applications where a low cost, long life light source is required
- Commonly used in street lighting, floodlighting and building illumination
- Suitable for use indoors and in enclosed exterior fittings

Burning Position

- Universal

Watts	Voltage	Base	Dimensions (mm)	Colour Temperature	Lumen Output	Reference	Code	Carton Quantity
MBFU MERCURY VAPOUR								
50W	240V	ES E27	55 x 130	4000K	1800	50WESMBFU	11292	12
80W	240V	ES E27	70 x 156	4000K	3800	80WESMBFU	11293	12
125W	240V	ES E27	75 x 170	4000K	6200	125WESMBFU	18035	12
250W	240V	GES E40	90 x 226	4000K	13000	250WGESMBFU	11291	6
400W	240V	GES E40	120 x 290	4000K	23000	400WGESMBFU	14538	6

Constant Colour Metal Halide Ceramic Double Ended Lamps

High pressure, constant colour metal halide double ended lamps delivering energy efficient, high quality light

Features

- Uniform distribution of light
- High pressure (complies with safety requirements of IEC 62035)
- Excellent colour rendering and colour stability
- High lamp efficacy
- High luminous flux
- Ceramic lamp base
- Colour temperature of 3000K or 4200K
- Long lamp life 10,000 hours

Application

- For commercial and industrial applications where an intense and efficient light source with good colour rendition capabilities is required
- Commonly used in commercial interiors for accent and general lighting and for illuminating buildings and landscapes
- Also used in television studio lighting
- Suitable for use indoors and in enclosed exterior fittings

Usage Notes

- These lamps require chokes with thermal cutout and an external ignitor

Burning Position

- Horizontal with a tolerance of $\pm 45^\circ$



Watts	Voltage	Cap	Dimensions (mm)	Colour Temperature	Lumen Output	CRI	Reference	Code	Carton Quantity
METAL HALIDE TUBULAR DOUBLE ENDED									
70W	240V	RX7s	22 x 120	3000K	6600	80	MHC-DE/70/830	26772	10/100
70W	240V	RX7s	22 x 120	4200K	6200	90	MHC-DE/70/942	26773	10/100

Metal Halide Tubular Double Ended Lamps

High pressure, double ended metal halide lamps delivering energy efficient, high quality light



Features

- Tubular outer envelope with UV block
- High pressure (complies with safety requirements of IEC 62035)
- Approved for use in enclosed fittings
- Excellent colour rendering and colour stability
- High lamp efficacy
- Colour temperature of 3000K or 4000K

Application

- For commercial and industrial applications where an intense and efficient light source with good colour rendition capabilities is required
- Commonly used in commercial interiors for accent and general lighting and for illuminating buildings and landscapes
- Also used in television studio lighting
- Suitable for use indoors and in enclosed exterior fittings

Usage Notes

- These lamps require chokes with thermal cutout and an external ignitor

Burning Position

- Horizontal with a tolerance of $\pm 45^\circ$

Watts	Voltage	Cap	Dimensions (mm)	Colour Temperature	Lumen Output	Reference	Code	Carton Quantity
METAL HALIDE TUBULAR DOUBLE ENDED								
35W	240V	RX7s	20 x 114	3000K	2600	MHTD35W3000K	26523	12
35W	240V	RX7s	20 x 114	4000K	2800	MHTD35W4000K	26524	12
70W	240V	RX7s	20 x 114	3000K	5200	MHTD70W3000K	11281	12
70W	240V	RX7s	20 x 114	4000K	5500	MHTD70W4000K	11283	12
150W	240V	RX7s	23 x 132	3000K	11500	MHTD150W3000K	11275	12
150W	240V	RX7s	23 x 132	4000K	12000	MHTD150W4000K	11277	12

Constant Colour Metal Halide Ceramic Single Ended Lamps

High pressure, single ended metal halide lamps delivering energy efficient, high quality light

Features

- Uniform distribution of light
- High pressure (complies with safety requirements of IEC 62035)
- Excellent colour rendering and colour stability
- High lamp efficacy
- High luminous flux
- Ceramic lamp base
- Colour temperature of 3000K or 4200K
- Long lamp life 10,000 hours

Applications

- For commercial and industrial applications where an intense and efficient light source with excellent colour rendition capabilities is required
- Commonly used in commercial interiors for accent and general lighting and for exterior accent lighting
- Also used in television studio lighting
- Suitable for use indoors and in enclosed exterior fittings

Usage Notes

- These lamps require chokes with thermal cutout and an external ignitor

Burning Position

- Universal



Watts	Voltage	Cap	Dimensions (mm)	Colour Temperature	Lumen Output	CRI	Reference	Code	Carton Quantity
METAL HALIDE TUBULAR SINGLE ENDED									
35W	240V	G12	20 x 103	3000K	3300	80	MHC-35/G12/830	26766	10/100
35W	240V	G12	20 x 103	4200K	3100	80	MHC-35/G12/842	26767	10/100
70W	240V	G12	20 x 103	3000K	6500	80	MHC-70/G12/830	26768	10/100
70W	240V	G12	20 x 103	4200K	6300	90	MHC-70/G12/942	26769	10/100
150W	240V	G12	20 x 110	3000K	13500	80	MHC-150/G12/830	26770	10/100
150W	240V	G12	20 x 110	4200K	13000	90	MHC-150/G12/942	26771	10/100



Metal Halide Tubular Single Ended Lamps

High pressure, single ended metal halide lamps delivering energy efficient, high quality light

Features

- Tubular outer envelope with UV block
- High pressure (complies with safety requirements of IEC 62035)
- Excellent colour rendering and colour stability
- High lamp efficacy
- Colour temperature of 3000K or 4000K

Applications

- For commercial and industrial applications where an intense and efficient light source with excellent colour rendition capabilities is required
- Commonly used in commercial interiors for accent and general lighting and for exterior accent lighting
- Also used in television studio lighting
- Suitable for use indoors and in enclosed exterior fittings

Usage Notes

- These lamps require chokes with thermal cutout and an external ignitor

Burning Position

- Universal

Watts	Voltage	Cap	Dimensions (mm)	Colour Temperature	Lumen Output	Reference	Code	Carton Quantity
METAL HALIDE TUBULAR SINGLE ENDED								
70W	240V	G12	25 x 84	4000K	5200	MHT070W4000K	25747	12
70W	240V	G12	25 x 110	3000K	5200	MHT70W3000K	11285	12
70W	240V	G12	25 x 110	4000K	5500	MHT70W4000K	24270	12
150W	240V	G12	25 x 84	4000K	12000	MHT0150W4000K	24576	12
150W	240V	G12	25 x 110	3000K	12000	MHT150W3000K	11279	12
150W	240V	G12	25 x 110	4000K	12500	MHT150W4000K	17289	12

Single Ended Metal Halide Lamps

High pressure, single ended metal halide lamps delivering energy efficient, high quality light

Features

- Tubular outer envelope with UV block
- High pressure (complies with safety requirements of IEC 62035)
- Excellent colour rendering and colour stability
- High lamp efficacy
- Colour temperature of 2800K
- Long lamp life 6000 hours

Applications

- For commercial and industrial applications where an intense and efficient light source with excellent colour rendition capabilities is required
- Commonly used in commercial interiors for accent and general lighting and for exterior accent lighting
- Also used in television studio lighting
- Suitable for use indoors and in enclosed exterior fittings

Usage Notes

- These lamps require chokes with thermal cutout and an external ignitor

Burning Position

- Universal



Watts	Voltage	Cap	Dimensions (mm)	Colour Temperature	Lumen Output	Reference	Code	Carton Quantity
METAL HALIDE TUBULAR SINGLE ENDED								
20W	240V	G8.5	15 x 80	2800K	1200	MHTSE20W	26480	10/100
35W	240V	G8.5	15 x 80	2800K	1400	MHTSE35C	26481	10/100



Metal Halide Mogul E39 Base Lamps

High pressure, single ended metal halide lamps delivering energy efficient, high quality light

Features

- Bulbous outer envelope with UV block
- High pressure (complies with safety requirements of IEC 62035)
- Excellent colour rendering and colour stability
- High lamp efficacy
- Bulbous tubular envelope shape for rough service use
- Colour temperature of 3700K or 4000K

Applications

- For commercial and industrial applications where an intense and efficient light source with good colour rendition capabilities is required
- Commonly used in floodlighting
- Suitable for use in enclosed exterior fittings

Usage Notes

- These lamps require chokes with thermal cutout and an external ignitor

Burning Position

- Universal

Watts	Voltage	Cap	Type	Dimensions (mm)	Colour Temperature	Lumen Output	Reference	Code	Carton Quantity
METAL HALIDE NORTH AMERICAN MOGUL E39 BASE									
250W	240V	E39	Clear Bulbous	89 x 209	4000K	20500	MH250/U	25736	6
400W	240V	E39	Coated Bulbous	118 x 286	3700K	36000	MH400/C	25172	6
400W	240V	E39	Clear Bulbous	118 x 286	4000K	34000	MH400/U	16443	6
1000W	240V	E39	Clear Bulbous	178 x 390	4000K	110000	MH1000/U	25173	6

Metal Halide Tubular Single Ended E40 Lamps

High pressure, single ended metal halide lamps delivering energy efficient, high quality light

Features

- Tubular outer envelope with UV block
- Very high light output
- Excellent colour rendering and colour stability
- High lamp efficacy
- Colour temperature of 4500 (250W) and 4200K (400W)

Applications

- For commercial and industrial applications where an intense and efficient light source with excellent colour rendition capability is required
- Commonly used in sports arenas, car parks, petrol stations, rail and dock yards
- Suitable for use in enclosed exterior fittings

Usage Notes

- These lamps require chokes with thermal cutout and an external ignitor

Burning Position

- Horizontal with a tolerance of $\pm 20^\circ$



Watts	Voltage	Cap	Dimensions (mm)	Colour Temperature	Lumen Output	Reference	Code	Carton Quantity
METAL HALIDE TUBULAR SINGLE ENDED E40								
250W	240V	E40	48 x 257	4500K	20000	MHTCL250E40	I8078	12
400W	240V	E40	63 x 270	4200K	36000	MHTCL400E40	I6668	12



SON/T



SON/E

High Pressure Sodium Elliptical and Tubular Lamps

High pressure, single ended sodium vapour lamps consist of a sintered aluminium oxide discharge tube containing sodium mercury amalgam and xenon, which is used as a starting gas. The discharge tube is encased in a hard glass outer bulb with a standard screw base. Out of all the discharge technologies, sodium vapour lamps offer the highest luminous efficacy and cost efficiency and are suited for applications requiring continuous lighting for lengthy periods of time

Features

- High pressure (complies with safety requirements of IEC 62035)
- High lumen maintenance
- High lumen efficacy (up to 150 lm/W)
- Colour temperature of 2000K

Application

- For commercial and industrial applications where a long lasting and cost effective light source is required with high luminous efficacy
- Commonly used in street lighting, sports lighting and the floodlighting of urban areas
- Suitable for use indoors and in enclosed exterior fittings

Usage Notes

- These lamps require chokes with thermal cutout and some require an external ignitor (refer chart below)

Burning Position

- Universal

Watts	Voltage	Cap	Dimensions (mm)	Ignitor	Lumen Output	Reference	Code	Carton Quantity
SON/E ELLIPTICAL								
70W	240V	ES E27	70 x 156	External	4600	SONE70WE	I6289	12
70W	240V	ES E27	70 x 156	Internal	4600	SONE70WI	I3632	12
150W	240V	GES E40	90 x 226	External	12000	SONE150WE	I6291	12
250W	240V	GES E40	90 x 226	External	21000	SONE250WE	I3633	12
400W	240V	GES E40	120 x 290	External	38000	SONE400WE	I6292	6
SON/T TUBULAR								
70W	240V	ES E27	38 x 175	External	5000	SONT70WE	I5385	12
150W	240V	GES E40	46 x 220	External	13000	SONT150WE	I3629	12
250W	240V	GES E40	46 x 240	External	23000	SONT250WE	I3630	12
400W	240V	GES E40	46 x 267	External	41000	SONT400WE	I6294	12