



# Switch Start Metal Halide Standard

## MH400/U/ED28 12PK

High performance, Long life and Superior light quality A compact, energy efficient metal halide lamp that provides crisp, sparkling light with long life and high efficiency.

### Product data

General Information	
Base	E39 [ Single Contact Mogul Screw]
Operating Position	Universal [ Universal]
Main Application	General Lighting (G)
Life to 50% Failures (Nom)	20000 h
ANSI Code HID	M59/E
Footnotes HID 1	Requires a ballast specified or approved for Philips metal halide lamps, or one that is designed to operate all popular brands of metal halide lamps. 1000W types will operate from H36 conventional lag type ballast for Mercury Vapor lamps at ambient temperatures of 50 degrees F or higher. 1000W types must not be operated at 1500W. (377)
Footnotes HID 2	Rated life: Vertical +/- 15 degrees. Other positions 75% of vertical life. (385)
Footnotes HID 3	Vertical lumens. Horizontal lumens 6%–10% lower. (393)
Light Technical	
Color Code	640 [ CCT of 4000K]
Luminous Flux (Rated) (Min)	32000 lm

Luminous Flux (Rated) (Nom)	36000 lm
Color Designation	Cool White (CW)
Design Mean Lumens	24000 lm
Chromaticity Coordinate X (Nom)	0.390
Chromaticity Coordinate Y (Nom)	0.400
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (Rated) (Min)	80 lm/W
Luminous Efficacy (rated) (Nom)	90 lm/W
Color Rendering Index (Nom)	57
Operating and Electrical	
Lamp Current (Nom)	3.25 A
Ignition Supply Voltage (Min)	350 V
Re-Ignition Time (Min) (Max)	12 min
Ignition Time (Max)	120 s
Voltage (Max)	150 V
Voltage (Min)	120 V
Voltage (Nom)	135 V
Mechanical and Housing	
Bulb Finish	Clear (CL)

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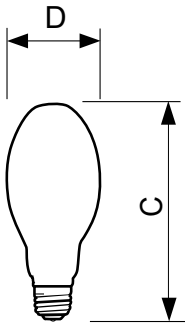
Cap-Base Information	Brass [ Brass Cap]
Bulb Material	Hard Glass
<b>Approval and Application</b>	
Energy Saving Product	Not Applicable
Mercury (Hg) Content (Max)	52.0 mg
<b>Luminaire Design Requirements</b>	
Bulb Temperature (Max)	400 °C
Cap-Base Temperature (Max)	250 °C

<b>Product Data</b>	
Order product name	MH400/U/ED28 12PK
EAN/UPC - Product	046677426026
Order code	426023
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601151303
Net Weight (Piece)	0.001 kg

### Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave 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. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-555-0050

### Dimensional drawing



Product	D	C (max)
MH400/U/ED28 12PK	3.5 in	8.313 in

MH R 400W/640 E39 ED28 U

