



# Switch Start Metal Halide Standard

Switch Start MH Std 400W ED28 CL U

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 Characteristics

Base	Mogul [Mogul]
Base Information	Brass [Brass Base]
Bulb	ED28
Bulb Material	Hard Glass
Bulb Finish	Clear
Operating Position	Universal [Any or Universal (U)]
Main Application	General Lighting
RatedAvgLife(See Family Notes)	20000 hr
Energy Saving	Not Applicable

### • Light Technical Characteristics

Color Code	640 [CCT of 4000K]
Color Rendering Index	65 Ra8
Color Designation	Cool White
Color Temperature	4000 K
Color Temperature technical	4000 K
Initial Lumens	36000 Lm
Luminous Efficacy Lamp	90 Lm/W
Design Mean Lumens	24000 Lm
Chromaticity Coordinate X	0.390 -
Chromaticity Coordinate Y	0.400 -

### • Electrical Characteristics

Watts	400 W
Lamp Voltage	135 V
Lamp Current	3.25 A
Ignition Time	120 (max) s

Re-ignition Time [min]	12 (max) min
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### • Environmental Characteristics

Mercury (Hg) Content	52.0 (max) mg
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### • Luminaire Design Requirements

Cap-Base Temperature	250 (max) C
Bulb Temperature	400 (max) C

### • Product Dimensions

Light Center Length L	5 in
Max Overall Length (MOL) - C	8.313 (max) in
Diameter D	3.5 in

### • Footnotes

Footnotes HID	377 [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 1500V. (377)]
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**PHILIPS**

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Footnotes HID 385 [Rated life: Vertical +/- 15 degrees. Other positions 75% of vertical life. (385)]

Footnotes HID 393 [Vertical lumens. Horizontal lumens 6%–10% lower. (393)]

Short product name MH400/U/ED28 12PK  
 Pieces per Sku 1  
 eop\_pck\_cfg 12  
 Skus/Case 12  
 Bar code on pack 46677426026  
 Bar code on case 50046677426021  
 Logistics code(s) 928601151303  
 eop\_net\_weight\_pp 0.001 kg

• **Product Data**

Product number 426023  
 Full product name Switch Start MH Std 400W ED28 CL U

## Warnings and Safety

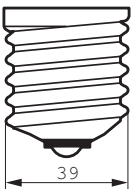
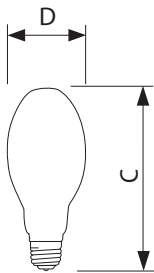
- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will

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)

## Dimensional drawing

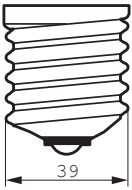
### Switch Start MH Std 400W ED28 CL U

Product	C (Max)	D (Norm)
MH R 400W/640 E39 ED28 U	8.313	3.5



E39

## Dimensional drawing



E39



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2014, February 1  
data subject to change