Switch Start Metal Halide Standard

Switch Start MH Std 400W ED37 CL U

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

Product data

General Characteristics

Base	Mogul [Mogul]
Base Information	Brass [Brass Base]
Bulb	ED37
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	3900 K
Color Temperature technical	3900 K
Chromaticity Coordinate X	0.385 -
Chromaticity Coordinate Y	0.395 -
Initial Lumens	39000 Lm
Luminous Efficacy Lamp	97.5 Lm/W
Design Mean Lumens	25350 Lm
Lumen Maintenance - 40% life	65 %

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

Environmental Characteristics

Mercury (Hg) Content	52 (max) mg
Picogram per Lumen Hour	102.6 p/LuHr

UV-related Characteristics

Damage Factor D/fc	0.51 -
PET (NIOSH)	204 h500lx
UV A	19.23 mW/cm2
UV B	0.06 mW/cm2
UV C	0.01 mW/cm2

Luminaire Design Requirements

Cap-Base Temperature	210 (max) C
Bulb Temperature	400 (max) C

Product Dimensions

Light Center Length L	7 in
Max Overall Length (MOL) - C	11.5 (max) in
Diameter D	4.625 in

Footnotes

Footnotes HID	901 [Open luminaire only if operated vertically +/- 15 degrees.]

PHILIPS

sense and simplicity

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 1500W. (377)]
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)]

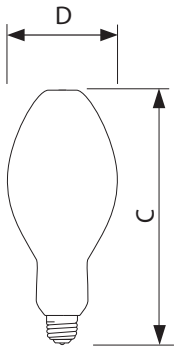
- Product Data

Product number	274498
Full product name	Switch Start MH Std 400W ED37 CL U
Short product name	MH400/U 6PK
Pieces per Sku	1
eop_pck_cfg	6
Skus/Case	6
Bar code on pack	46677274498
Bar code on case	50046677274493
Logistics code(s)	928601172301
eop_net_weight_pp	0.001 kg

Warnings and Safety

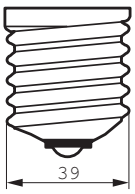
- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope ot the lamp is broken or puntured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precuations are used. Certain lamps that will automaticallly 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



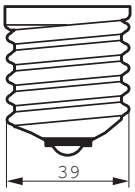
E39/E40/41, ED-37

Product	C (Max)	D (Norm)
MH R 400W/640 E39 ED37 U	11.5	4.625



E39

Dimensional drawing



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