



MasterColor® HPS-Retro White™

MasterColor HPS 250W/841 Mog ED18 ALTO

Philips MasterColor Ceramic Metal Halide HPS-RetroWhite Lamps are designed as a retrofit for HPS lamps.

Product data

• General Characteristics

Base	Mogul [Mogul]
Base Information	Brass [Brass Base]
Bulb	ED18
Bulb Material	Hard Glass
Bulb Finish	Clear
Operating Position	Horizontal +/-15D [Parallel +/-15D or Horizontal(HOR)]
Main Application	General Lighting
RatedAvgLife(See Family Notes)	20000 hr

• Light Technical Characteristics

Color Code	841 [CCT of 4100K]
Color Rendering Index	85 Ra8
Color Designation	Deluxe Cool White
Color Temperature	4000 K
Color Temperature technical	3800 (min), 4000 (nom), 4200 (max) K
Chromaticity Coordinate X	379 -
Chromaticity Coordinate Y	367 -
Initial Lumens	20500 Lm
Luminous Efficacy Lamp	82 Lm/W
Design Mean Lumens	16400 Lm

• Electrical Characteristics

Watts	250 W
Lamp Voltage	105 V
Lamp Current	3.0 A
Ignition Time	120 (max) s

Re-ignition Time [min]	14 (max) min
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• Environmental Characteristics

Mercury (Hg) Content	3.4 (max) mg
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• UV-related Characteristics

PET (NIOSH)	0.48 h.klx
Damage Factor D/fc	137 -

• Luminaire Design Requirements

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

• Product Dimensions

Light Center Length L	5.75 in
Max Overall Length (MOL) - C	9.75 (max) in
Diameter D	2.25 in

• Product Data

Product number	146498
Full product name	MasterColor HPS 250W/841 Mog ED18 ALTO
Short product name	HPS 250W/841 Mog ED18 ALTO
Pieces per Sku	1
eop_pck_cfg	12
Skus/Case	12
Bar code on pack	46677146498

Bar code on case 50046677146493
 Logistics code(s) 928601155701

eop_net_weight_pp 0.001 kg

Warnings and Safety

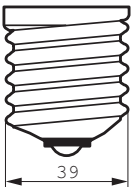
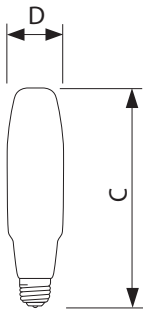
- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will

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

E39, ED-18

Product	C (Max)	D (Norm)
CDM RW 250W/840 E39 ED18 HOR ALTO	9.75	2.25



E39



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www.philips.com/lighting

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data subject to change