

MasterColor® CDM ED28 Protected

MasterColor CDM 320W/942 PS ED28 CL V ALTO

Ceramic arc tube technology for outstanding color performance Philips MasterColor Protected Pulse Start Ceramic Metal Halide lamps offer a range of protected high-efficiency long life medium wattage lamps with a stable lumen maintenance over lifetime and provides crisp, sparkling light.



Product data

• General Characteristics

System Description	Pulse Start
Base	Exclusionary Mogul Screw [Exclusionary Mogul Screw]
Base Information	Nic/Brass [Nickel/Brass Base]
Bulb	ED28
Bulb Material	Hard Glass
Bulb Finish	Clear
Operating Position	vbu/vbd15 [Vertical or Base Up/Base Down +/-15D]
Main Application	General Lighting
RatedAvgLife(See Family Notes)	24000 hr

• Light Technical Characteristics

Color Code	942 [CCT of 4200K]
Color Rendering Index	80 (min), 90 (nom) Ra8
Color Designation	Cool White
Color Temperature	4200 K
Color Temperature technical	4000 (min), 4200 (nom), 4400 (max) K
Chromaticity Coor- dinate X	362 (min), 372 (nom), 382 (max) -
Chromaticity Coor- dinate Y	362 (min), 372 (nom), 382 (max) -
Initial Lumens	28800 Lm
Luminous Efficacy Lamp	90 Lm/W
Design Mean Lumens	23000 Lm
Lumen Maintenance - 40% life	80 %
Lumen Maintenance - 10% life	85 %

• Electrical Characteristics

Watts	320 W
Lamp Voltage	145 V
Lamp Current	2.6 A
Ignition Time	120 (max) s
Re-ignition Time [min]	15 (max) min

• Environmental Characteristics

Mercury (Hg) Content	12 (max) mg
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• UV-related Characteristics

PET (NIOSH)	62.6 h.klx
Damage Factor D/fc	.61 -

• Luminaire Design Requirements

Cap-Base Tempera- ture	210 (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

• Product Data

Product number	132910
Full product name	MasterColor CDM 320W/942 PS ED28 CL V ALTO



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sense and simplicity

Short product name CDM 320W/942 PS ED28 CL V
ALTO
Pieces per Sku 1
eop_pck_cfg 12
Skus/Case 12

Bar code on pack 46677132910
Bar code on case 50046677132915
Logistics code(s) 928601157101
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)



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data subject to change