

Notes:

Job:

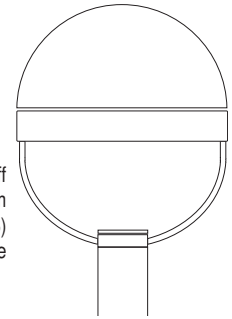
Type:

FORM 10 ROUND

CP/MP POST TOP MOUNT

GENERAL DESCRIPTION: The Gardco Post Top Mounted Form 10 products are cylindrical (CP) or semi-spherical (MP) cutoff luminaires using high intensity discharge lamps up to 1000 watts (400w in the MA). Housings are one-piece seamless spun aluminum and finished with either Architectural Class 1 anodizing or electrostatically applied polyurethane. Luminaires can accept one of six (6) interchangeable and rotatable precision segmented optical systems. Optional twin glowrings at post tops are available in (4) colors and are illuminated by the primary source.

CUTOFF PERFORMANCE: Flat glass lens luminaires provide full cutoff performance. Sag Lens luminaires provide cutoff performance.



ORDERING

PREFIX	MOUNTING	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS

Enter the order code into the appropriate box above. Note: Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

PREFIX

CP17	17 Spun Cylindrical Luminaire
CP22	22 Spun Cylindrical Luminaire
MP17	17 Spun Semi-Spherical Luminaire
MP22	22 Spun Semi-Spherical Luminaire

CONFIGURATION

Illustrations on opposite side

MOUNTING:		POLES		TENONS			
	SRS3 MIN O.D. 2.88" MAX O.D. 3.00"	RA4/SRS4 MIN O.D. 3.58" MAX O.D. 3.85" MIN O.D. 3.50" MAX O.D. 4.00"	RA5/SRS5 MIN I.D. 4.62" MAX O.D. 4.85"	T2 2 3/8" O.D. X 4"	T3 2 7/8" O.D. X 4"	T4 3" O.D. X 4"	T4 4" O.D. X 6"
MP17	P11 (Ill. 2)	P12 (Ill. 1)	N/A	T14 (Ill. 3)	T15 (Ill. 3)	T16 (Ill. 3)	N/A
CP17	P21 (Ill. 2)	P22 (Ill. 1)	N/A	T24 (Ill. 4)	T25 (Ill. 3)	T26 (Ill. 3)	N/A
MP22	P31 (Ill. 5)	P32 (Ill. 2)	P33 (Ill. 1)	T34 (Ill. 4)	T35 (Ill. 4)	T36 (Ill. 4)	T37 (Ill. 3)
CP22	P41 (Ill. 5)	P42 (Ill. 2)	P43 (Ill. 1)	T44 (Ill. 4)	T45 (Ill. 4)	T46 (Ill. 4)	T47 (Ill. 3)

DISTRIBUTION

Horizontal Lamp

1	Type I
3	Type III
4X^{1,2}	Type IV (22 only)
FM	Type IV
Q	Type V

1. 22 luminaires, 400w and below are supplied with flat glass lens standard. For wattages above 400w, "XF" flat lens is supplied standard.

2. MH/PSMH 400w Type 4X luminaires require the E28/BT28 reduced jacket lamp.

Vertical Lamp

VS	Type V
In 400w and below, luminaires are supplied with an acrylic sag lens. A glass sag lens is supplied with luminaires above 400w. Medium base, 200w max on 17" units.	

VOLTAGE

120	240	347	QUAD
208	277	480	120/208/240/277, Factory tied to 277V.

FINISH

BLA	Black Anodized
BRA	Bronze Anodized
NA	Natural Anodized
BRP	Bronze Paint
BLP	Black Paint
NP	Natural Aluminum Paint
WP	White Paint
OC	Optional Color Paint Specify RAL designation ex: OC-RAL7024.
SC	Special Color Paint Specify. Must supply color chip.

OPTIONS

F	Fusing In Head. N/A above 400w.	QS	Quartz Standby N/A above 400w.
LF	In-Line/In-Pole Fusing	QST	Quartz Standby - Timed Delay N/A above 400w.
PC	Photocontrol and Receptacle N/A with MP units or 480V.	GRC	Glow Rings - Clear
PCR	Photocontrol Receptacle only N/A with MP units.	GRY	Glow Rings - Yellow
POLY	Polycarbonate Sag Lens In lieu of flat glass. N/A with 4X optics or 750w or 1000w units.	GRG	Glow Rings - Green
HS	Internal Houseside Shield Supplied standard with FM optics. N/A above 400w with other optics.	GRR	Glow Rings - Red
		XF	Extended Flat Glass Lens Flat Glass lens with extended drop. Allows for the use of a larger lamp while providing full cutoff performance.
		SG	Sag Glass Lens In lieu of flat glass.

For CP22 with 4X Optic, 1000 Metal Halide, use:

Brand	Product Code	Catalog Number
Venture	53702	MS1000W/HOR/BT37/3K
G.E.	18205	MVR1000/U/BT37
Venture	15332	MH1000W/U/BT37

WARNING: Use of other lamps voids warranty

For CP22 with 4X Optic, 1000 Pulse Start, use:

Brand	Product Code	Catalog Number
G.E.	10389	MVR1000/U/BT37/PA
Venture	49111	MS1000W/HOR/T25/PS

Gardco Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program. The 4X optical system is protected by U.S. patent number 5690422.

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Genlyte Group

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79115-39/0707

FORM 10 ROUND

CP/MP POST TOP MOUNT

SPECIFICATIONS

GENERAL: Each Gardco Form 10 post top mounted Hardtop is a cylindrical (CP) or semi-spherical (MP) cutoff luminaire for high intensity discharge lamps. Internal components are totally enclosed, rain-tight, dust-tight and corrosion resistant. No venting of optical system or electrical components is required or permitted. Luminaires are completely assembled with no disassembly required for installation. Lamping requires no lifting or hinging the luminaire housing, disturbing wiring or exposing uninsulated live parts. Optional twin glow rings at post top are available in (4) colors and are illuminated by the primary downlight source.

HOUSING: Housing is a one-piece, .100 (.25 cm) seamless aluminum with an integral rolled circumferential reveal and lower section aperture incorporating a returned flange stiffener to protect against housing edge deformation. Units are offered in profiles of 17 (43.18 cm) or 22" (55.88 cm) in diameter.

YOKE: The 9/16 (1.42cm) diameter parallel yokes of high strength, low mass schedule 40 steel are precision contoured to match the CP or MP housing silhouette. Welds or fasteners are not visible at the luminaire or pole attachment. The yoke is electrogalvanized and coated with satin black polyurethane.

LENS: One-piece, die cast aluminum door frame retains the the optically clear, heat and impact resistant tempered flat glass, extended flat glass, sag glass or sag polycarbonate lens in a sealed manner using hollow section, high compliance, memory retentive extruded silicone rubber. Concealed stainless steel hinge and two (2) fasteners secure lens the assembly to the luminaire.

OPTICAL SYSTEMS: The segmented Form Ten optical system is homogeneous sheet aluminum, electrochemically brightened, anodized and sealed. The segmented reflectors are set in faceted arc tube image duplicator patterns to achieve IES Types I

(1), III (3), IV (FM), and V (Q/VS) distributions. With the 4X optics, the reflector facets form a conical fan around the arc tube with each facet positioned to be precisely tangent to the top of the arc tube.

The mogul base lampholder is glazed porcelain with a nickel plated screw shell - all securely attached to the reflector assembly. 50MH, 70MH and 100MH units have a medium base lampholder. All horizontal Metal Halide units in the 22 housings have lamp stabilizers ensuring precise arc tube positioning.

ELECTRICAL: Each high power factor ballast is the separate component type, capable of providing reliable lamp starting down to -20°F/-29°C. The ballast is mounted on a unitized tray and secured within the luminaire, above the reflector system. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600 VAC at 301°F/150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher.

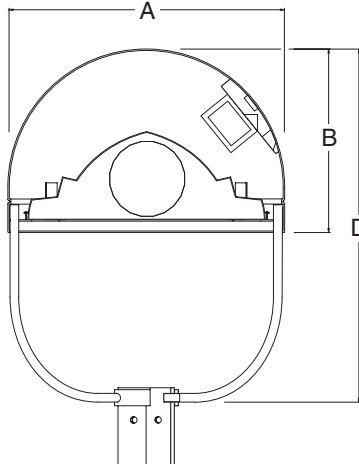
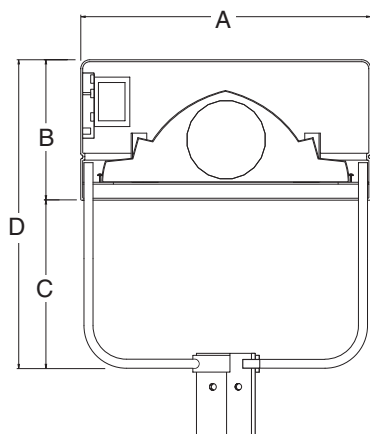
FINISH: Anodized housings are created with an Aluminum Association Architectural Class I anodizing process to achieve a bronze, black or natural aluminum finish. Painted units are finished with hardcoat, fade resistant, electrostatically applied polyurethane.

LABELS: All luminaires bear UL or CUL (where applicable) Wet Location labels.

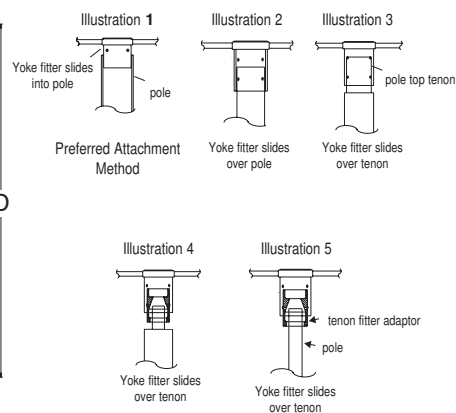
FULL CUTOFF PERFORMANCE: Full cutoff performance means a luminaire distribution where zero candela intensity occurs at an angle of 90° above nadir. Additionally, the candela per 1000 lamp lumens does not numerically exceed 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

CUTOFF PERFORMANCE: Cutoff performance means a luminaire distribution where the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle at or above 90° above nadir, and 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

DIMENSIONS



MOUNTING:



Refer to chart on opposite side for mounting information.

CP Style					EPA's Single	Weight Single
Size	A	B	C	D		
17"	17	8	10	18	.7 ft ²	31 lbs
	43.18 cm	20.32 cm	25.40 cm	45.32 cm	.07 m ²	14.06 kg
22"	22	11	11	22	1.0 ²	50 lbs
	55.88 cm	27.94 cm	27.94 cm	55.88 cm	.09 m ²	22.68 kg

MP Style					EPA's Single	Weight Single
Size	A	B	C	D		
17	17	11	10	21	.7 ft ²	31 lbs
	43.18 cm	27.94 cm	25.40 cm	53.34 cm	.07 m ²	14.06 kg
22	22	14"	11	25	1.0 ²	50 lbs
	55.88 cm	35.56 cm	27.94 cm	63.50 cm	.09 m ²	22.68 kg

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