

FEATURES

OPTICAL SYSTEM

- Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of reflector to bottom.
- Patent-pending integrated snoot and optical system minimizes lamp striations normally associated with PAR lamps and creates visually pleasing scallops on vertical surfaces.

HOUSING

- Heavy gauge, aluminum housing with top deck for clean appearance. Provided with safety chain on ceiling and pendant units allowing hands-free wiring connections. Matte white textured polyester powder paint finish standard.

MOUNTING

- Ceiling mount provided with mounting pattern for direct installation to 4" octagonal or square junction box.
- Wall mount provided with mounting pattern for direct installation to 4" octagonal or square junction box.
- Pendant mount entry provided for 3/8" National Pipe Thread stem. Additional pendant options available (see accessories). Wires supplied by others.

ELECTRICAL SYSTEM

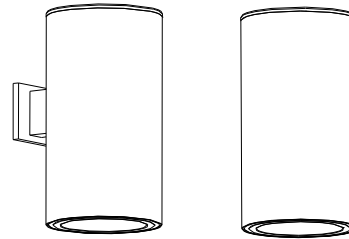
- Medium-base porcelain socket with nickel-plated screw shell.
- Removable, pre-wired, 120 or 277V, 50/60Hz electronic ballast module standard.

LISTING

- Fixtures are listed and labeled to comply with US and Canadian standards. Wall mount suitable for wet locations. Ceiling and pendant mount suitable for wet locations in covered ceiling installations only.



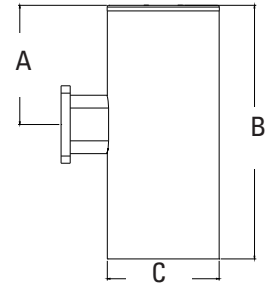
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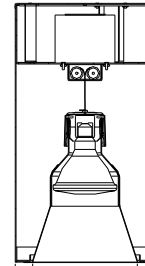
HID Surface Downlights

10" CH

Cylinder
PAR Metal Halide

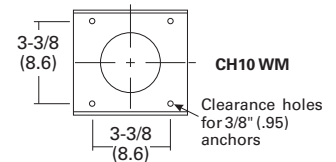


A: 6-5/8 (16.8)
B: 19-3/8 (49.2)
C: 10-1/2 (26.7)



Aperture: 7-7/8 (20.0)
Housing Diameter: 10-1/2 (26.7)
Housing Height: 19-3/8 (49.2)

Wall Mount Bracket



All dimensions are inches (centimeters)

ORDERING INFORMATION

Example: **CH10P3870MHC8AR MVOLT FCM DWHG**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line.

CH10		Aperture/Trim color		Finish	Voltage	Mounting	Options
Series	CH10	8AR Clear		(blank) Semi-specular	MVOLT³	FCM Ceiling mount	SF⁴ Single fuse
Wattage/lamp		8PR Pewter		LD Matte-diffuse	120	WM Wall mount	QRS⁵ Quartz restrike system
Metal Halide		8WTR Wheat			277	PM Pendant 3/8" thread mount	QRSTD⁵ QRS with time delay
P3870M 70W PAR38		8BR Black			347		EC⁵ Emergency circuit
P38100M 100W PAR38							LPFL Lamp, Flood (shipped separately)
Color-corrected							LPSP Lamp, Spot (shipped separately)
Metal Halide¹							Housing Colors⁶
P3870MHC 70W PAR38							DWHG Matte white (standard)
P38100MHC 100W PAR38							DDB Dark bronze
P38150MHC 150W PAR38 ²							DBL Black
							DWH Gloss white
							DMB Medium bronze
							DNA Natural aluminum
							DSS Sandstone
							DGC Charcoal gray
							DTG Tannos green
							DBR Bright red
							DSB Steel blue

NOTES

- 1 Ceramic ARC tube consistent-color lamp. Phillips Mastercolor or GE Constant Color.
- 2 California Title 20 compliant. Not available with 347V.
- 3 Not available 150W.
- 4 Must specify 120 or 277V.
- 5 QRS, QRSTD and EC not available in conjunction with each other.
- 6 Additional architectural colors available; please see Architectural Colors brochure 794.3.
- 7 Length of stem must be specified (from 6" to 240" in even increments). Ex. CYS06 DWHG. Ceiling attachment for interior use. Consult factory for exterior use.

10" CH Open Reflector Cylinder, PAR Lamp

Distribution curve

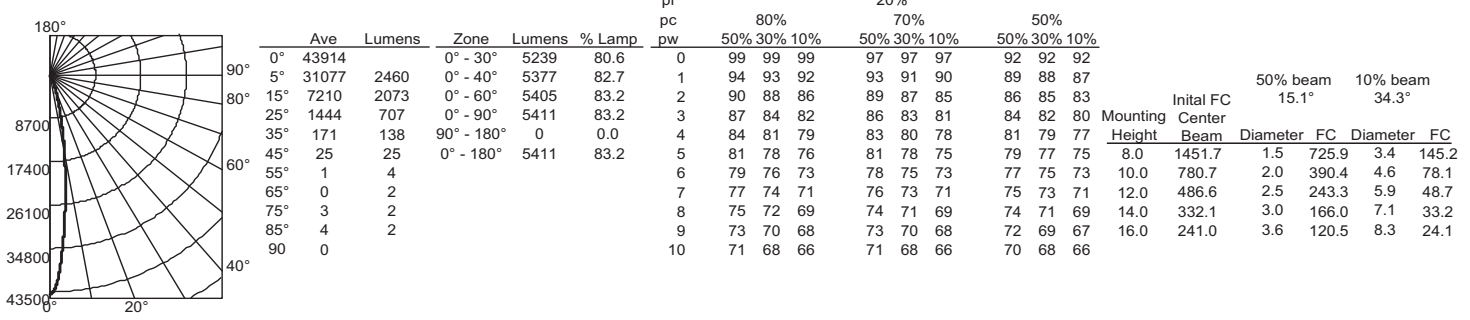
Distribution data

Output data

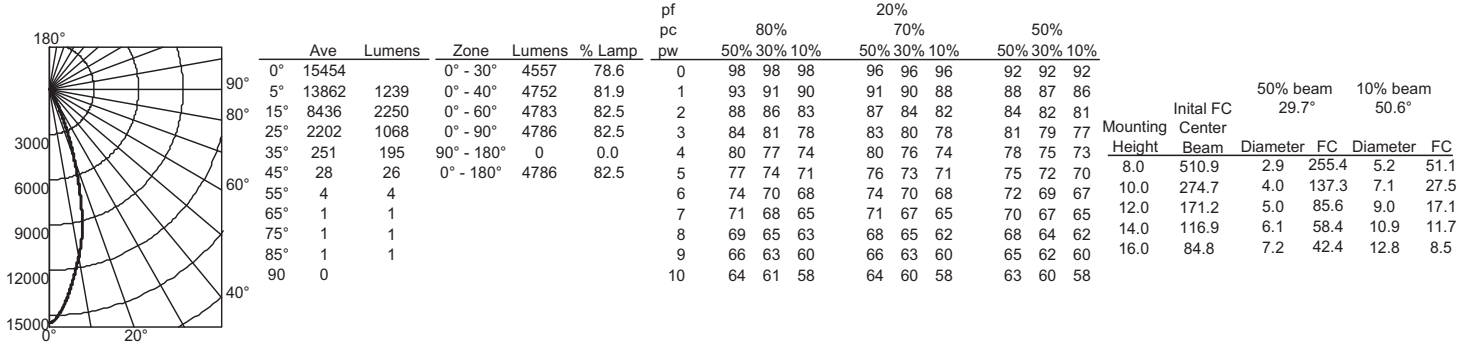
Coefficient of utilization

Illuminance Data at 30" Above Floor for
a Single Luminaire

CH10 P38100MHC/SP20 8AR, MCP100PAR38/U/830/SP lamp, 0.3 s/mh, 6500 rated lumens, Test No. LTL12840



CH10 MH100PAR38/FL 8AR, MP100PAR38/U/FL35/ECO lamp, 0.5 s/mh, 5800 rated lumens, Test No. LTL12900



NOTES:

1. For electrical characteristics, refer to Technical Bulletins tab.
2. Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.

SHID-130

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