

FEATURES

OPTICAL SYSTEM

- Semi-specular clear anodized aluminum upper reflector.
- Flat Fresnel lens provided standard.

HOUSING

- Heavy gauge, aluminum housing with top deck for clean appearance. Matte white textured polyester powder paint finish standard.

MOUNTING

- Ceiling mount must be anchored to structural support.
- Wall mount must be anchored to structural support. See bracket dimensions to determine size and construction required.
- Pendant mount provided with mounting pattern for 3/8" National Pipe Thread stem. Additional pendant options available (see accessories). Wires supplied by others.

ELECTRICAL SYSTEM

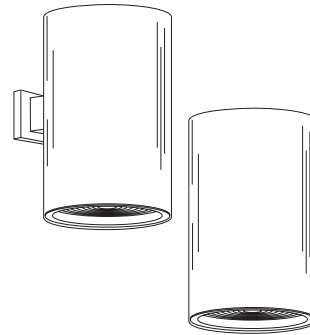
- Mogul or medium-base porcelain socket with nickel-plated screw shell.
- Removable, prewired power module with high power factor, pulse start, core-and-coil ballast, integral fusing and quick disconnect plug.

LISTINGS

- Fixtures are UL Listed for wet locations (Wall mount is rated for non-covered ceiling installations while ceiling and pendant mount are rated for covered ceiling installations). Listed and labeled to comply with Canadian standards.



Type Catalog number

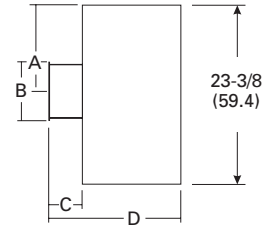


H.I.D. Surface Downlights

13" CHL

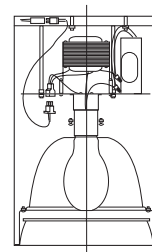
Enclosed Wet Location Cylinder

Metal Halide or High Pressure Sodium Lamp
Max Watt 250



A = 8 (20.3)
B = 6-7/8 (17.5)
C = 4-7/8 (12.4)
D = 17-7/8 (45.4)

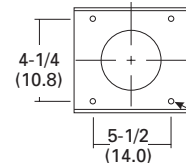
Wall Mount Dimensions



Aperture: 11-7/8 (30.2)
Housing Diameter: 13 (33.0)
Housing Height: 23-3/8 (59.4)

All dimensions are inches (centimeters)

Wall Mount Bracket



Clearance holes for 3/8" (.95) anchors

ORDERING INFORMATION

Example: **CHL13 100M 120 FCM DWHG**

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

CHL13

Series	Wattage/Lamp ¹	Voltage	Mounting	Options
CHL13	Metal Halide	MVOLT³	FCM Ceiling mount	SF⁴ Single fuse
	70M MED	120	WM Wall mount	QRS⁵ Quartz restrike system
	100M MED	277	PM Pendant 3/8" thread mount	QRSTD⁵ QRS with time delay
	150M MED ²	347	<i>Pendant Accessories</i>	EC Emergency circuit
	175M MOG		<i>(Shipped Separately)</i>	WLP Lamp (shipped separately)
	250M MOG		(Specify length and Color)	Housing Colors⁶
	Color-Corrected Metal Halide		CYS⁷ 3/8" stem and canopy with 5° "hang straight" swivel	DWHG Matte white (standard)
	70MHC MED		CRS⁷ 3/8" stem and canopy with 45° swivel	DDB Dark bronze
	100MHC MED			DBL Black
	150MHC MED ²			DWH Gloss white
	High Pressure Sodium			DMB Medium bronze
	70S MOG			DNA Natural aluminum
	100S MOG			DSS Sandstone
	150S MOG			DGC Charcoal gray
	250S MOG			DTG Tennis green
				DBR Bright red
				DSB Steel blue

NOTES

- 1 Recommended for use with coated lamps.
- 2 California Title 20 compliant.
- 3 Only available 70W and 100W metal halide.
- 4 Must specify 120 or 277V.
- 5 Not available with EC.
- 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. Wires supplied by others.

13" CHL Wet Location Cylinder

Distribution curve

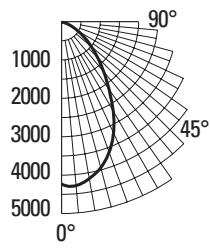
Distribution data

Output data

Coefficient of utilization

Single luminaire data 30" above floor

CHL13 175M 175W M175/C/BU/BD lamp, 1.0 s/mh, 14000 rated lumens, Test No. 201265648



From 0°	cp.	Lumens
0°	4226	
5°	4185	398
15°	3938	1114
25°	3199	1481
35°	2147	1348
45°	1323	1024
55°	742	665
65°	298	296
75°	65	69
85°	4	4
90°	2	

Zone	Lumens	%lamp
0°-30°	2993	21.4
0°-40°	4341	31.0
0°-60°	6030	43.1
0°-90°	6399	45.7
90°-180°	0	0.0
0°-180°	6399	45.7*

*Efficiency

ρf ρc ρw	80%		20% 50%		30%	
	50%	30%	50%	30%	50%	30%
1	50	49	47	46	45	45
2	46	44	44	42	42	41
3	42	40	40	38	39	38
4	39	36	37	35	36	35
5	36	33	35	32	34	32
6	33	30	32	29	31	29
7	30	27	29	27	29	26
8	28	25	27	25	27	24
9	26	23	25	23	25	22
10	24	21	24	21	23	21

Mount height	Initial fc at beam center	50% beam angle 54.5°		10% beam angle 92.8°	
		Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8'	139.7	5.7'	69.9	11.6'	14.0
10'	75.1	7.7'	37.6	15.8'	7.5
12'	46.8	9.8'	23.4	20.0'	4.7
14'	32.0	11.8'	16.0	24.2'	3.2
16'	23.2	13.9'	11.6	28.4'	2.3

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-250

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