

Medium-Wattage Roadway Lighting

CHM CHMD



Intended Use

Ideal for roadways, residential streets, storage areas, parking lots, shopping centers, apartments and condominium complexes, campuses and parks.

Features

Construction – Die-cast trigger latch on lower housing for easy one-hand opening for relamping and servicing. Large surface area "breathing-seal" polyester gasketing protects reflector and lens from contaminants; maintains maximum optical efficiency. Die-cast low copper aluminum alloy for light weight, strength and reliable service. **Twist-lock photocontrol receptacle NOT included as standard. (To order, specify PER option, see below.)** CHMD units: all major electrical components mounted on removable power door for easy field servicing and maintenance.

Finish – Gray (DGYG) polyester powder paint finish is electrostatically applied for superior corrosion resistance.

Optical System – Ovate refractors or full cutoff flat lens styles provide a choice of efficient light distributions for every application. Optics are computer designed for maximum performance. One-piece screw shell socket for positive retention of lamp under vibration.

Electrical System – Lag, high power factor or constant wattage autotransformer standard. Two- or three-position (L1, L2, N) tunnel type compression terminal block standard.

Installation – Four-bolt mast arm mount – the most secure mounting in the industry. Arm is compatible with 1.25" - 2.0" (3.2cm - 5.1cm) mast arm.

Listings

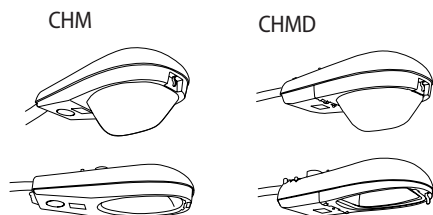
IP64 rated optical assembly. Standard product is NOT Listed by UL, CSA or NOM. For UL or CSA (see Options).

Ordering Information

Example: **CHM 400S R2 DLG 120 PER LPI**

Series	Wattage	NEMA distribution	Lens	Voltage	Ballast ¹²	Options/accessories
CHM	High pressure sodium	R2	DLG Drop lens glass (prismatic) ²	120	(blank) Standard ballast (see above)	Installed
CHMD	200S	R3	DLP Drop lens polycarbonate (prismatic)	208	RNP Reactor normal power factor ⁴	LPI Lamp included
	250S	R4 ¹		220		RHP Reactor high power factor ⁴
	310S		240	50HZ 50 hertz	L/LP Less lamp	
	250/400S	277	MRB Mag reg ballast		PER NEMA twist-lock receptacle only (photocontrol not included)	
	400/250S	480		CWI CWI ballast	PEU NEMA twist-lock PE	
	400S	TB ^{6,7}	CWA Constant wattage autotransformer		CF Charcoal filter	
	Metal halide	TB1 ^{6,7}		XHP High reactance (lag) high power factor ⁴	BLV Bubble level	
	175M	TB2 ^{6,7}	XNP High reactance (lag) normal power factor ⁴		2BM 2-bolt mounting	
	250M	TB3 ^{6,7}		SCWA Super CWA pulse start ¹³	OPS Open plug-in starter ⁴	
	250/400M	120/240 ⁸	L/E ¹¹		ENP Encapsulated plug-in starter ⁴	
	400/250M	240/120 ⁹		NOTES:	DPL Distribution pattern label	
	320M	240/480 ⁹	1 Available only in HPS with DLG lens.		T2P Terminal block-two position wired L1, L2	
	350M	480/240 ¹⁰		2 Not available with 175M, 250M, 175MV or 250MV.	T3P Terminal block-three position wired L1, N, L2	
	400M		3 Not available with 400M or 400MV.		UL UL Listed	
	Mercury vapor			4 HPS only.	CSA CSA Certified	
175MV		5 Not available with 175M, 250M, 175MV or 250MV.	HSS Stainless steel external hardware			
250MV			6 Optional multi-tap ballast (120, 208, 240, 277). TB prewired to 277V. Others are 1=120V; 2=208V; 3=240V.	LSA Single lighting surge arrestor ¹⁴		
400MV		7 Not available with RNP or RHP.		SF Single fuse, 120V, 277V, 347V (n/a TB) ^{14,15}		
			8 Prewired to 120V.	DF Double fuse, 208V, 220V, 240V, 480V (n/a TB) ^{15,16}		
		9 Prewired to 240V.		DDB Dark bronze finish		
			10 Prewired to 480V.	DBL Black finish		
		11 Shipped without ballast/electrical components.		Shipped separately ¹⁷		
			12 Not all ballast options are available with all wattage/sources/voltages. Consult factory.	SC Shorting cap for PER option		
		13 Pulse start MH only.				
			14 120, 277V only, n/a TB.			
		15 Not available with UL or CSA options.				
			16 208, 220, 240, 480V only, n/a TB.			
		17 May be ordered as an accessory.				

- NOTES:
- 1 Available only in HPS with DLG lens.
 - 2 Not available with 175M, 250M, 175MV or 250MV when ordered in the R2 distribution.
 - 3 Not available with 400M or 400MV.
 - 4 HPS only.
 - 5 Not available with 175M, 250M, 175MV or 250MV.
 - 6 Optional multi-tap ballast (120, 208, 240, 277). TB prewired to 277V. Others are 1=120V; 2=208V; 3=240V.
 - 7 Not available with RNP or RHP.
 - 8 Prewired to 120V.
 - 9 Prewired to 240V.
 - 10 Prewired to 480V.
 - 11 Shipped without ballast/electrical components.
 - 12 Not all ballast options are available with all wattage/sources/voltages. Consult factory.
 - 13 Pulse start MH only.
 - 14 120, 277V only, n/a TB.
 - 15 Not available with UL or CSA options.
 - 16 208, 220, 240, 480V only, n/a TB.
 - 17 May be ordered as an accessory.



Dimensions are shown in inches (centimeters) and pounds (kilograms) unless otherwise noted. Dimensions do not include mounting arm.

	CHM	CHMD
Flat lens EPA:	1.14ft ² (.11m ²)	1.14ft ² (.11m ²)
Drop lens EPA:	1.3ft ² (.12m ²)	1.3ft ² (.12m ²)
Flat lens depth:	7-1/2(19.1)	7-1/2(19.1)
Drop lens depth:	14(35.6)	14(35.6)
Length:	31-1/2(80.0)	31-1/2(80.0)
Width:	14-3/4(37.5)	14-3/4(37.5)
Weight:	41(18.6)	45(20.4)