

Ceiling Cutout: 5 1/8" (130 mm) Dia.

Reflector Trim		Frame-In Kit	Lamp	
C4P20MH	CLW	Specular Clear, White Painted Flange.	C439P20E1	Electronic 120V 39W PAR20 Ceramic Metal Halide
	CLP	Specular Clear, Matching Flange.	C439P20E2	Electronic 277V 39W PAR20 Ceramic Metal Halide
	CCDW	Comfort Clear Diffuse, White Painted Flange.		
	CCDP	Comfort Clear Diffuse, Matching Flange.		
	CCZW	Champagne Bronze, White Painted Flange.		
	CCZP	Champagne Bronze, Matching Flange.		

Features

- Reflector Trim:** anodized aluminum, 0.040" (16-ga.). Provides Medium beam distribution; 45° visual cut-off to lamp and lamp image; self-flange in painted white or aperture-matching polished flange. Consult factory for other finishes.
- Socket Cup:** Galvanized steel, snaps onto upper reflector for secure attachment without tools; assures proper lamp alignment to optics for consistent performance.
- Mounting Frame:** 0.048" (18-ga.) galvanized steel includes pre-installed mounting bars.
- Mounting Ring:** 0.048" (18-ga.) galvanized steel. Designed for vertical adjustment from above or below for ceilings from 0" to 2" thick. Center-line notches allow consistent alignment of multiple fixtures.
- Retention Springs:** Rust resistant springs secure reflector in place for quick, tool-less installation.
- Frame Vertical Adjustment Mechanism:** Vertical adjustment mechanism accommodates mounting to virtually any ceiling system using pre-installed mounting bars, or 1/2" EMT tubing (by others). Single locking feature secures all adjustments. Alignment holes and markings allow fixture to be pre-set prior to installation.
- Mounting Bars:** 0.048" (18-ga.) Pre-installed, telescoping bars extend to 30" long and lock securely into position. Built-in locking tabs provide positive attachment to common T-bar systems. Self-centering feature simplifies installation in 24" O.C. grid systems. Attaches to steel or wood joists without accessories.
- Ballast:** Electronic 120 or 277V. Accessible from below for inspection and/or replacement without tools.
- Junction Box:** 0.048" (18-ga.) galvanized steel. UL listed for 8 No. 12 AWG, 90°C through branch circuit conductors; allows inspection from below.
- Thermal Protector:** (Not Shown) Meets NEC and UL requirements. Do not install insulation above nor within 3" (76mm) of any part of the luminaire.

Electrical

Electronic Ballast: 120 or 277V, 50/60 Hz., enclosed, high power factor, T.H.D. <15%, thermally and transient protected, RMI/RFI complies with FCC Part 18 non-consumer limits, shut-down circuit at end of lamp life, sound rating "A", -5°F minimum starting temperature, Type 1 Outdoor rating.

Ballast	ANSI Code	Voltage	Max. Amps	Input Watts
39W MH	M130	120/277	0.39/0.17	44

Options and Accessories

Slope Ceiling Adapters: See Specification Sheet SCA.

Fuse (magnetic ballast): Add suffix F1 or F2 to Frame-In Kit (F1=120V F2=277V)

Chicago Plenum: Consult Factory.

Labels

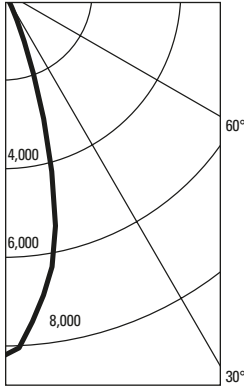
UL (Suitable for Damp Locations), CSA, I.B.E.W.

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	



Calculite® HID Downlight C4P20MH

39W PAR20 MH LAMP, LUMEN RATING = 2300 LMS, ELECTRONIC BALLAST, CL FINISH TRIM



ANGLE	MEAN CP	LUMENS	LUMINANCE SUMMARY - CD. / SQ. M.	
			ANGLE	MEAN CD/SQ M
0	8222			
5	7481	685	45	0
10	6308		55	0
15	4205	1110	65	0
20	1973		75	0
25	720	371	85	0
30	226			
35	59	46		
40	0			
45	0	0		
50	0			
55	0	0		
60	0			
65	0	0		
70	0			
75	0	0		
80	0			
85	0	0		
90	0			

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2165	94.15	97.93
0-40	2211	96.13	100.00
0-60	2211	96.13	100.00
0-90	2211	96.13	100.00
40-90	0	0	.00
60-90	0	0	.01
90-180	0	0	.00
0-180	2211	96.13	100.00

Coefficients of Utilization

CEILING	80%				70%		50%		30%		0
	70	50	30	10	50	10	50	10	50	10	
WALL	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%										
RCR											
0	1.15	1.15	1.15	1.15	1.12	1.12	1.07	1.07	1.02	1.02	.96
1	1.11	1.09	1.07	1.05	1.07	1.03	1.03	1.00	.99	.97	.93
2	1.07	1.04	1.01	.98	1.02	.97	.99	.95	.96	.93	.90
3	1.04	.99	.96	.93	.98	.92	.96	.91	.93	.89	.87
4	1.00	.95	.91	.89	.94	.88	.92	.87	.91	.86	.84
5	.97	.92	.88	.85	.91	.85	.89	.84	.88	.83	.81
6	.95	.89	.85	.82	.88	.81	.87	.81	.85	.80	.79
7	.92	.86	.82	.79	.85	.79	.84	.78	.83	.78	.77
8	.89	.83	.79	.76	.82	.76	.82	.76	.81	.75	.74
9	.87	.80	.76	.74	.80	.74	.79	.73	.79	.73	.72
10	.85	.78	.74	.72	.78	.72	.77	.71	.76	.71	.70

LUMINAIRE INPUT WATTS = 44

** EFFICIENCY = 96.1% **
SC = .5

CERTIFIED TEST REPORT NO. LSC6733
COMPUTED BY LSC PROGRAM **TEST-LITE**

LIGHTOLIER®

Job Information Type: