

# FEATURES

## OPTICAL SYSTEM

- Internal housing components painted matte black. Lamp snoot minimizes stray light in housing.
- 1" chamfered aperture eliminates back flash.
- Seamless cast faceplate is retained by self-aligning, butterfly support springs.
- Tool-less, 0°-45° vertical adjustment and 355° horizontal adjustment.
- Adjustment mechanism is lockable to maintain aiming after relamping.
- Position indicators allow consistent aiming from fixture to fixture.

## MECHANICAL SYSTEM

- Black painted housing features tool-less top access and accommodates a maximum 1-1/2" ceiling thickness.
- Tool-less re-lamp capability from above or below ceiling.
- 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustment are shipped pre-installed. Post installation adjustment possible without the use of tools from above or below the ceiling.
- Secondary housing adjustment system for precise, final flange to ceiling alignment.
- Galvanized steel junction box with hinged access covers and spring latch. Three combination 1/2"-3/4" knockouts and two 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4in, 4 out) No. 12 AWG conductors rated for 90°C.

## ELECTRICAL SYSTEM

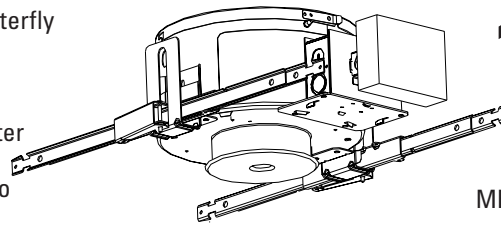
- Tool-less access door provides access to junction box through the aperture.
- Replaceable socket assembly. GX10 socket assembly standard (20W - 39W).
- Electronic ballast module is standard and can be serviced from above or below ceiling. Servicing from below requires removal of housing wrap and 6" of clearance above housing.
- Thermally-activated insulation detector.

## LISTING

- Fixtures are UL listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Type

Catalog number

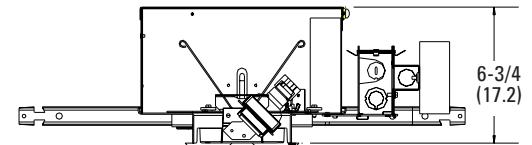
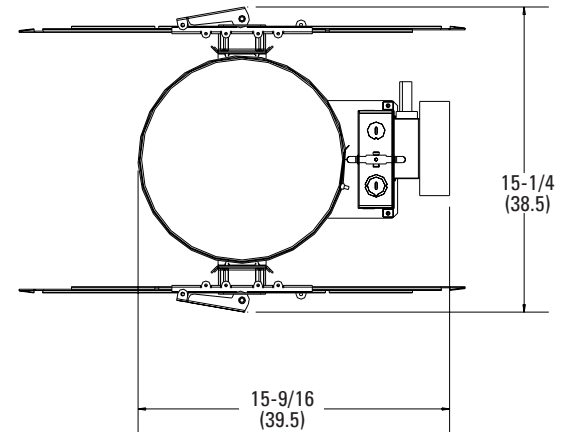


HID Downlights

# 1" DMRH

## Adjustable Pinhole

Seamless Cast Faceplate  
MR16 Ceramic Metal Halide Lamp



All dimensions are inches (centimeters)

Ceiling opening: 4-7/8 (12.4)  
Overlap trim: 5-7/16 (13.8)

# ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

Example: **DMRH ADJ MR16 20MHC 1P 120 DWHG**

DMRH		ADJ		1P		Voltage		Options	
Series	Configuration	Lamp designation		Lamp Wattage	Aperture/Trim				
<b>DMRH</b>	<b>ADJ</b>	<b>MR16</b>	MR16 capability	<b>20MHC</b> <b>39MHC</b>	<b>1P</b> Pinhole	<b>120</b>	<b>277</b>	<b>SF</b> Single Fuse	<b>Architectural Colors</b> (powder finish) <sup>2</sup>
						<b>347</b>	<b>LRC<sup>1</sup></b> Provides compatibility with Lithonia Reloc System. Access above ceiling required	<b>DWHG</b> Matte white (standard)	<b>DDB</b> Dark bronze
							<b>CP</b> Chicago Plenum approved	<b>DBL</b> Black	<b>DWH</b> Gloss white
							<b>LPFL</b> Lamped, Flood	<b>DMB</b> Medium bronze	<b>DNA</b> Natural aluminum
							<b>LPSP</b> Lamped, Spot	<b>DSS</b> Sandstone	<b>DGC</b> Charcoal gray
							<b>LPWFL</b> Lamped, Wide Flood	<b>DTG</b> Tennis green	<b>DBR</b> Bright red
								<b>DSB</b> Steel blue	

### Accessories

- For lens accessories, refer to Technical Bulletins tab.
- For lamp options, refer to Technical Bulletins tab.

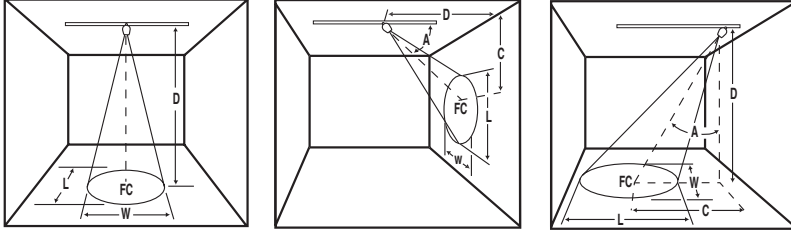
## NOTES

- 1 For compatible Reloc systems, refer to Technical Bulletins tab.
- 2 Colors available for faceplate. Additional architectural colors available; please see brochure 794.3.

# 1" DMRH Adjustable Pinhole

## LAMP PERFORMANCE DATA

The lighting performance data charts shown provide lighting levels (footcandles), beam pattern (in feet), rated lamp life (hours).



	Rated Life (hrs.)	Beam Spread (50% CBCP)	0° Aiming Angle				20° Aiming Angle				30° Aiming Angle				40° Aiming Angle							
			D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C
CMH20MR16/830/FL	12000	25	4	181	1.8	1.8	N/A	4	150	1.9	2.0	1.5	2	471	1.0	1.2	1.2	2	326	1.2	1.6	1.7
			6	81	2.7	2.7	N/A	6	67	2.8	3.0	2.2	4	118	2.0	2.4	2.3	3	145	1.7	2.3	2.5
			8	45	3.5	3.5	N/A	8	38	3.8	4.0	2.9	6	52	3.1	3.6	3.5	4	81	2.3	3.1	3.4
CMH20MR16/830/SP	12000	12	D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C
			6	250	1.3	1.3	N/A	6	207	1.3	1.4	2.2	4	365	1.0	1.1	2.3	4	253	1.1	0.9	3.4
			10	90	2.1	2.1	N/A	10	75	2.2	2.4	3.6	8	91	1.9	2.3	4.6	6	112	1.6	2.2	5.0
14	46	2.9	2.9	N/A	14	38	3.1	3.3	5.1	12	41	2.9	3.4	6.9	8	63	2.2	2.9	6.7			
CMH20MR16/830/WFL	12000	40	D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C
			4	94	2.9	2.9	N/A	4	78	3.1	3.4	1.5	2	244	1.7	2.0	1.2	2	169	1.9	2.5	1.7
			6	42	4.4	4.4	N/A	6	35	4.6	5.0	2.2	4	61	3.4	4.1	2.3	3	75	2.9	4.1	2.5
8	23	5.8	5.8	N/A	8	19	6.2	6.7	2.9	6	27	5.0	6.1	3.5	4	42	3.8	5.5	3.4			
CMH39MR16/930/FL	10000	25	D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C
			8	86	3.5	3.5	N/A	6	127	2.8	3.0	2.2	4	223	2.0	2.4	2.3	4	155	2.3	2.7	3.4
			12	38	5.3	5.3	N/A	10	46	4.7	5.1	3.6	8	56	4.1	4.8	4.6	6	69	3.5	4.7	5.0
16	21	7.1	7.1	N/A	14	23	6.6	7.1	5.1	12	25	6.1	7.2	6.9	8	39	4.6	6.3	6.7			
CMH39MR16/930/SP	10000	12	D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C
			4	1000	0.8	0.8	N/A	4	830	0.9	1.0	1.5	8	162	1.9	2.3	4.6	6	200	1.6	1.4	5.0
			6	444	1.3	1.3	N/A	6	369	1.3	1.4	2.2	12	72	2.9	3.4	6.9	10	72	2.7	3.6	8.4
8	250	1.7	1.7	N/A	8	207	1.8	1.9	2.9	16	41	3.9	4.5	9.2	14	37	3.8	5.1	11.7			
CMH39MR16/930/WFL	10000	40	D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C
			4	188	2.9	2.9	N/A	4	156	3.1	3.4	1.5	2	487	1.7	2.0	1.2	2	337	1.9	2.5	1.7
			6	83	4.4	4.4	N/A	6	69	4.6	5.0	2.2	4	122	3.4	4.1	2.3	3	150	2.9	4.1	2.5
8	47	5.8	5.8	N/A	8	39	6.2	6.7	2.9	6	54	5.0	6.1	3.5	4	84	3.8	5.5	3.4			

### NOTES:

- 1 For electrical characteristics refer to the 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.

### AHID-400

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AHID-400

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