



Gotham Architectural Downlighting
Renovation HID Downlights/Wallwash

6" AH/AHWI
Open/Wallwash Reflector

Metal Halide Lamp

FEATURES

OPTICAL SYSTEM

- Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).
- Outer kicker reflector provides smooth, uniform illumination ceiling to floor. For optimal uniformity, the recommended luminaire spacing is 3' from the wall and 3' centers.

MECHANICAL SYSTEM

- Galvanized steel junction box is mounted to reflector with hinge mechanism. Knockouts provided for power supply feed. No. 12 AWG conductors, rated for 90°C.
- Three (3) swinggate brackets allow for installation from below the ceiling. Suitable for ceiling thickness ranging from 5/8" to 1".

ELECTRICAL SYSTEM

- Die-cast aluminum lampholder housing.
- Medium-base porcelain socket with nickel-plated screw shell.
- Thermally protected, high-power-factor electronic ballast (50/60Hz) mounted to the junction box.
- Thermally activated insulation detector.

LISTING

- Fixtures are UL Listed, non-IC recessed mounting and damp locations.

WARRANTY

- 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

ORDERING INFORMATION

EXAMPLE: AH1 100M 6AR 220 TRW

Series	Wattage/Lamp ¹	Aperture/Trim color	Finish	Lens type ^{3,5}	Voltage	Options
AH1	<u>Color-corrected metal halide²</u>	6AR Clear	(blank) Semi-specular	(blank) No lens	120	SF Single fuse
AHWI	70MHC	6PR Pewter	LD Matte-diffuse	CGL Clear glass lens	277	TRW White painted flange
	100MHC	6WTR Wheat		T73 Tempered prismatic lens		TRBL Black painted flange
		6BR^{3,4} Black				GSKT Foam gasketing
		6WR^{3,4} White				

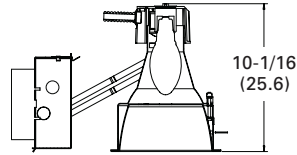
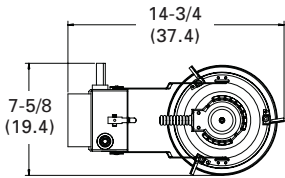
NOTES

ORDERING NOTES

1. Recommended for use with coated lamps.
2. Ceramic arc tube consistent-color lamp.
3. AH1 only.
4. Not available with finishes.
5. Required for use with enclosed rated lamps.

DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.



Aperture: 6-1/4 (15.9)
 Ceiling opening: 6-7/8 (17.5)
 Overlap trim: 7-1/2 (19.1)

ELECTRICAL

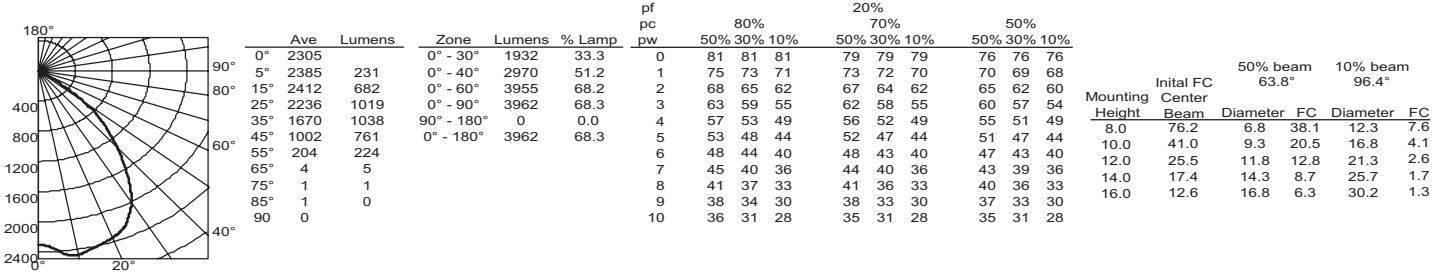
ENERGY (Calculated in accordance with NEMA standard LE-5A)						
LER.DOL	Annual* Energy Cost	Lamps	Lamp Lumens	Ballast Factor	Input Watts	
51	\$4.73	(1) 70MHC	5800	1.0	78	
53	\$4.53	(1) 100MHC	8700	1.0	110	

*Comparative yearly lighting energy cost per 1000 lumens

Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance: Single Luminaire 30" Above Floor

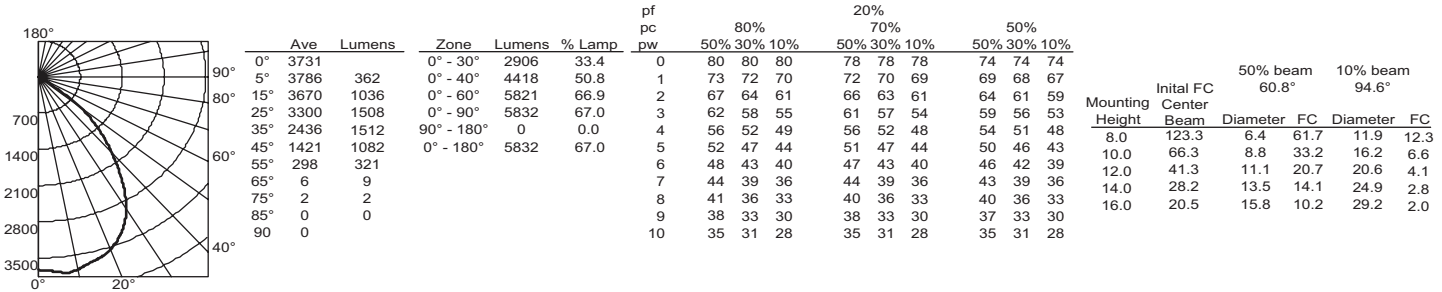
AHI 70MHC 6AR

(1) MPC70/C/U/MED lamp, 5800 rated lumens, 1.2 s/mh, Test no. LTL7956



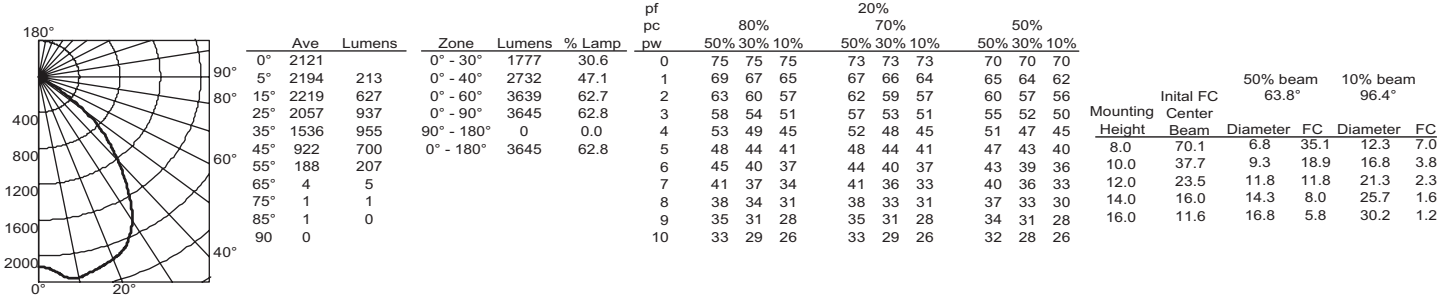
AHI 100MHC 6AR

(1) MPC100/C/U/MED lamp, 8700 rated lumens, 1.2 s/mh, Test no. LTL7955



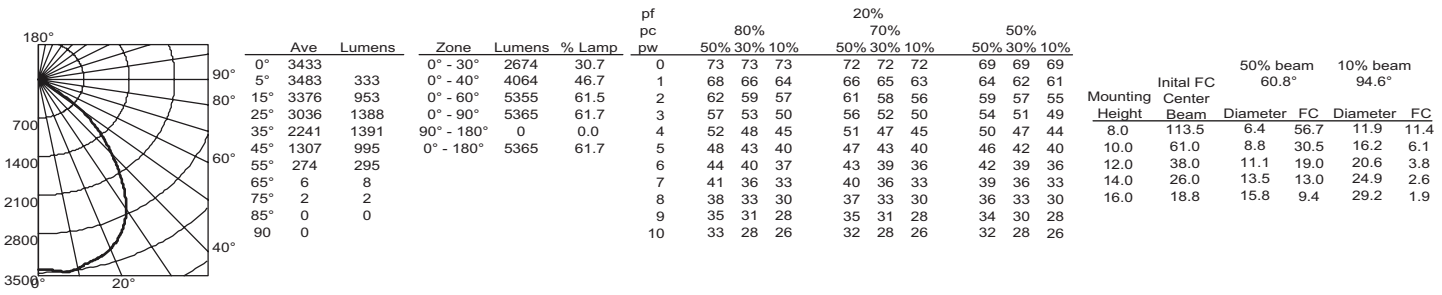
AHI 70MHC 6AR CGL

(1) MHC70/C/U/MED lamp, 5800 rated lumens, 1.2 s/mh, Test no. LTL8009



AHI 100MHC 6AR CGL

(1) MHC100/C/U/MED lamp, 8700 rated lumens, 1.2 s/mh, Test no. LTL8008



PHOTOMETRY NOTES

- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- Actual performance may differ as a result of end-user environment and application.
- Consult factory or IES file for microgroove baffle, black cone or other photometric reports.