

FEATURES

OPTICAL SYSTEM

- Reflector – Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of reflector to bottom. Minimum flange matches reflector finish.
- Wallwash – Highly reflective outer kicker reflector provides smooth, uniform illumination floor to ceiling, edge to edge. Inner cone is contoured to eliminate room side flash. For optimal uniformity, the recommended luminaire spacing is 0.9m (3') from the wall and 0.9m (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 1.59cm (5/8") to 2.54cm (1").

ELECTRICAL SYSTEM

- Die-cast aluminum lampholder housing.
- Medium-base porcelain socket with nickel-plated screw shell.
- Prewired electronic ballast standard. Eurostyle terminal block included for power supply and ground connections required for CE.

LISTING

- 120V and 277V fixtures are UL Listed, Non-IC recessed mounting and damp locations. 220V and 240V fixtures are CE certified and rated IP20.

Type Catalog number

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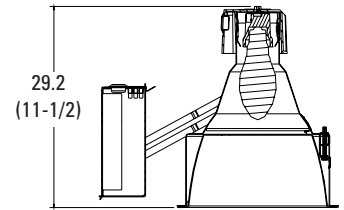
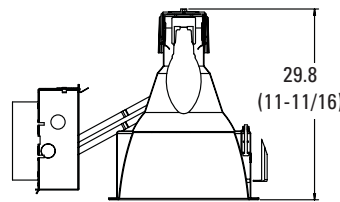
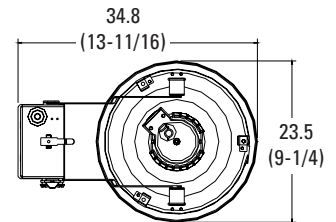
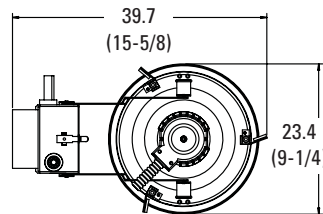


International HID Downlights/Wallwash AHI/AHWI

20.3cm (8")
Open/Wallwash Reflector
Metal Halide Lamp

ULLISTED

CE CERTIFIED



Aperture: 20.1 (7-7/8)
 Ceiling opening: 21.9 (8-5/8)
 Overlap trim: 23.5 (9-1/4)

All dimensions are centimeters (inches).

ORDERING INFORMATION

Example: **AHI 150MHC 8AR T73 220**

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).

Series	Wattage/Lamp ¹	Aperture/Trim color	Finish	Lens type ^{2,5}	Voltage	Options
AHI	Color-Corrected	8AR Clear	(blank) Semi-	(blank) No	120	SF Single fuse
AHWI	Metal Halide³	8PR Pewter	specular	lens	220	TRW White painted flange
	70MHC	8WTR Wheat	LD Matte-	CGL Safety	240	TRBL Black painted flange
	100MHC	8BC^{2,4} Black cone	diffuse	glass	277	GSKT Foam gasketing
	150MHC	8WC^{2,4} White painted		T73 Tempered		WLP With 3000°K lamp (shipped separately)
				prismatic lens		

NOTES

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



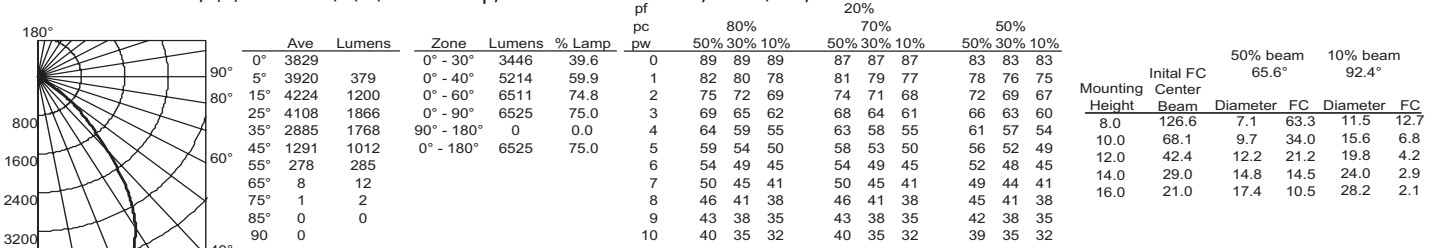
GOTHAM ARCHITECTURAL DOWNLIGHTING
 1400 Lester Road Conyers Georgia 30012
 P 800 315 4982 F 770 860 3129
 www.gothamlighting.com

AHI/AHWI 8 OPEN DHID-220-I

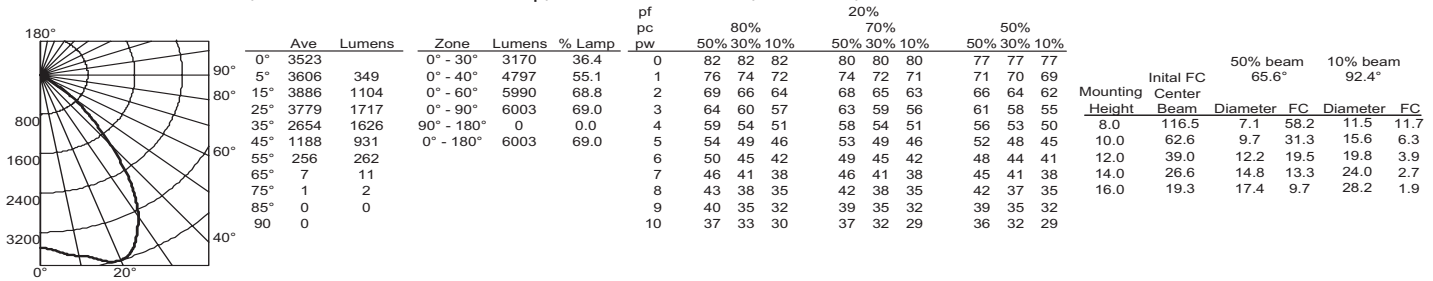
8" AHI/AHWI Open Reflector

Distribution curve Distribution data Output data Coefficient of utilization Illuminance Data at 30" Above Floor for a Single Luminaire

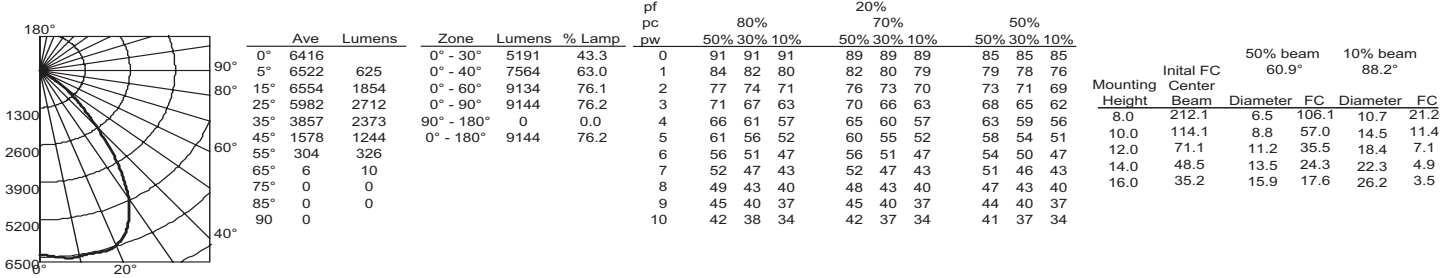
AHI 100MHC 8AR, (1) MHC100/C/U/MED lamp, 8700 rated lumens, 1.3 s/mh, Test no. LTL7958



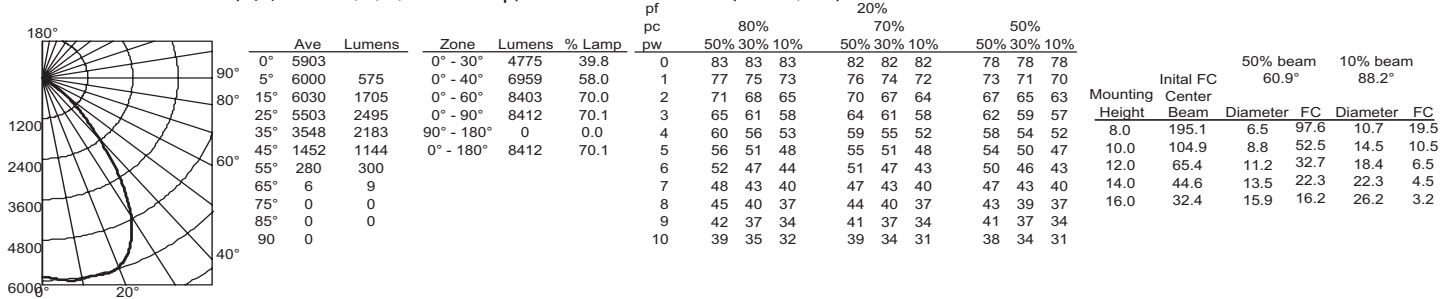
AHI 100MHC 8AR CGL, (1) MHC100/C/U/MED lamp, 8700 rated lumens, 1.3 s/mh, Test no. LTL8011



AHI 150M 8AR, (1) MP150/C/U/MED lamp, 12000 rated lumens, 1.2 s/mh, Test no. LTL7959



AHI 150M 8AR CGL, (1) MP150/C/U/MED lamp, 12000 rated lumens, 1.2 s/mh, Test no. LTL8012



ENERGY (Calculated in accordance with NEMA standard LE-5A)					
LER.DOL	Annual* Energy Cost	Lamps	Lamp Lumens	Ballast Factor	Input Watts
59	\$4.05	(1) 100M	8700	1.00	110
54	\$4.44	(1) 100M	1200	1.00	169

*Comparative yearly lighting energy cost per 1000 lumens

NOTES:
 1. For electrical characteristics consult Technical Bulletin 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.

DHID-220-I

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 Rev. 5/10

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