

FEATURES

OPTICAL SYSTEM

- Center Beam optical system centers the lamp relative to the true aperture, optimizing lamp efficiency.
- Tool-less 0°- 40° vertical and 360° horizontal lamp adjustments made with the trim assembly removed for simple focusing. Lockable adjustment mechanisms maintain focus during relamping and are visible from below the ceiling with trim assembly removed.
- Self-flanged, semi-specular or matte-diffuse anodized cone designed to minimize backflash. Contour cut reduces visibility of inner housing.
- Interchangeable upper reflectors provide narrow, medium and wide distributions. These preset distribution patterns allow designers to achieve various design objectives.
- 1/8" thick softening lens eliminates beam striations and ensures maximum efficiency. Provides required protective shielding.
- Optical system retained by self-aligning torsion support springs.
- Internal housing components painted black.

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 ceiling.
- Galvanized steel junction box with hinged access covers and spring latch. Three combination 1/2"-3/4" and two 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors rated for 90°C.
- Secondary housing adjustment system for precise, final ceiling to flange alignment.

ELECTRICAL SYSTEM

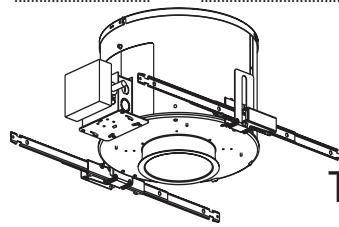
- Tool-less access door provides access to junction box and ballast through the aperture.
- G12 (T6), G8.5 (T4) or PGJ5 (T4T) base ceramic socket.
- Pre-wired, electronic, 120 or 277V ballast module is standard. Assembly can be attached before or after mounting of mounting/plaster frame.
- Thermally activated insulation detector.
- 3000°K lamp ships standard.

LISTING

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

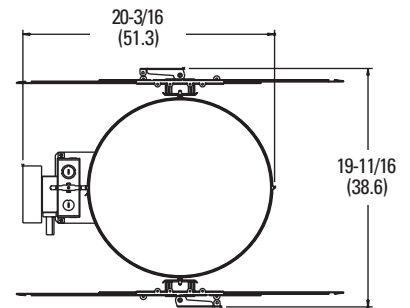
Type

Catalog number

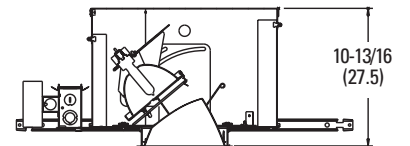


HID Downlights 6" DTH

T4/T6 Adjustable Accent
Ceramic Metal Halide Lamp



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



All dimensions are inches (centimeters).

ORDERING INFORMATION

Example: **DTH T6 39MHC 6ACT30 N LD 120**

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).

DTH

Series	Lamp Wattage	Aperture/Trim Color	Type	Finish	Voltage	Ballast	Options
DTH	20MHC	6AC Clear	T00 Cut for angles 0°-15°	(blank) Semi-specular	120	(blank) Electronic ballast	QRS ⁷ Quartz restrike system (uses 100W max. DC base quartz lamp by others)
	39MHC	6BC ⁵ Black	T20 Cut for angles 15°-25°	LD Matte-diffuse	277	EMB Electro-magnetic ballast	QRSTD ⁷ Quartz restrike system with time delay
	70MHC	6PC Pewter	T30 Cut for angles 25°-40°		347 ⁶		EC Emergency circuit (DC socket with leads for connection to external emergency power source; 100W max. lamp)
	150MHC	6UBC Umber					SF Single fuse
		6WTC Wheat					TRW White painted flange
							TRBL Black painted flange
							L/LP Less lamp
							LRC ⁸ Provides compatibility with Lithonia Reloc [®] System. Access above ceiling required
							CP Chicago Plenum

NOTES

- 1 Philips Mini MasterColor[®] available in 20W & 120V only. Consult factory for availability on 39W.
- 2 Available with electronic ballast only.
- 3 Available in 39W & 70W only.
- 4 Available in 39W, 70W & 150W only.
- 5 Not available with finishes.
- 6 Available with 70W & 150W electromagnetic ballast only.
- 7 Not available with electronic ballast.
- 8 For compatible Reloc system, refer to Technical Bulletins tab.
- 9 Refer to Technical Bulletins tab for lens color availability.

Distribution

N Narrow
M Medium
W Wide

Accessories

F700⁹ Filters and beam shaping lenses

6" DTH Adjustable Accent

Distribution curve	Distribution data	Output data	Coefficient of utilization	Illuminance Data at 30" Above Floor for a Single Luminaire																																																																					
DTH T6 70M 6ACT00 N , CMH70/T/U/942/G12 lamp, 6400 rated lumens, 0.3 s/mh, Test No. LTL15176																																																																									
	From 0°	Ave Lumens	Zone Lumens % Lamp	<table border="1"> <tr> <td>pf</td> <td colspan="4">80%</td> <td colspan="4">20%</td> <td colspan="2">50% beam angle</td> <td colspan="2">10% beam angle</td> </tr> <tr> <td>pc</td> <td></td> <td></td> <td></td> <td colspan="2">50%</td> <td colspan="2">70%</td> <td colspan="2">50%</td> <td colspan="2">17.0°</td> <td colspan="2">38.1°</td> </tr> <tr> <td>pw</td> <td>50%</td> <td>30%</td> <td>50%</td> <td>30%</td> <td>50%</td> <td>30%</td> <td>50%</td> <td>30%</td> <td>Initial fc</td> <td>fc at</td> <td>Beam</td> <td>Beam</td> <td>fc at</td> </tr> <tr> <td></td> <td>height</td> <td>center</td> <td>diameter</td> <td>edge</td> <td>diameter</td> <td>edge</td> <td>diameter</td> <td>edge</td> <td>Mount at beam</td> <td>Beam</td> <td>beam</td> <td>Beam</td> <td>fc at</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>height</td> <td>center</td> <td>diameter</td> <td>diameter</td> <td>beam</td> </tr> </table>	pf	80%				20%				50% beam angle		10% beam angle		pc				50%		70%		50%		17.0°		38.1°		pw	50%	30%	50%	30%	50%	30%	50%	30%	Initial fc	fc at	Beam	Beam	fc at		height	center	diameter	edge	diameter	edge	diameter	edge	Mount at beam	Beam	beam	Beam	fc at										height	center	diameter	diameter	beam
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	35	475	90° - 180° 0.0 0.0	5	.52	.49	.51	.49	.51	.48	16	112.5	4.0	56.3	9.3	11.2																																																									
45	238	0° - 180° 3657.8 *57.2	6	.50	.47	.49	.47	.49	.46																																																																
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	15	4846	0° - 60° 4426.3 67.1	3	.65	.62	.64	.61	.62	.60	12	69.1	7.1	34.5	13.4	6.9																																																									
	25	2844	0° - 90° 4496.8 68.1	4	.61	.57	.60	.57	.59	.56	14	47.2	8.6	23.6	16.3	4.7																																																									
	35	1172	90° - 180° 0.0 0.0	5	.57	.53	.56	.53	.55	.52	16	34.2	10.1	17.1	19.1	3.4																																																									
45	434	0° - 180° 4496.8 *68.1	6	.54	.50	.53	.49	.52	.49																																																																
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	15	3474	0° - 60° 4693.5 71.1	3	.67	.63	.66	.63	.64	.61	12	38.3	10.9	19.1	17.4	3.8																																																									
	25	3283	0° - 90° 4837.5 73.3	4	.62	.58	.61	.57	.60	.56	14	26.1	13.2	13.1	21.0	2.6																																																									
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45	657	0° - 180° 4837.5 *73.3	6	.53	.48	.53	.48	.51	.47																																																																
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45	549	0° - 180° 7321.9 *56.3	6	.47	.45	.47	.44	.46	.44																																																																
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75	50		9	.42	.39	.42	.39	.41	.39																																																																
85	24		10	.40	.37	.40	.37	.40	.37																																																																
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NOTES:

- For electrical characteristics consult Technical Bulletins tab.
- 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-150

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