

FEATURES

OPTICAL SYSTEM

- Self-flanged, matte-diffuse high impact polymer finishing trim with a durable, proprietary vapor deposition finish.
- Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of the reflector to bottom.
- One piece trim eliminates mitered flange corners and inside corner gaps.
- Interchangeable upper reflectors provide narrow, medium and wide distributions.
- 1/8" thick softening lens eliminates beam striations and provides required protective shielding.

MECHANICAL SYSTEM

- Rolled steel housing with matte black finish and 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2" thick ceiling materials.
- Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation adjustments to ensure trim to trim alignment.
- 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed.
- Post-installation adjustment possible without the use of tools from above or below ceiling.
- 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.
- 3000K lamp ships standard.
- 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.

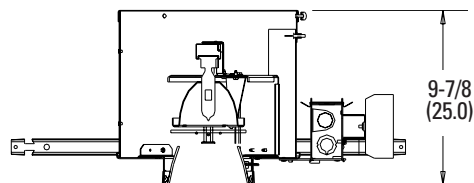
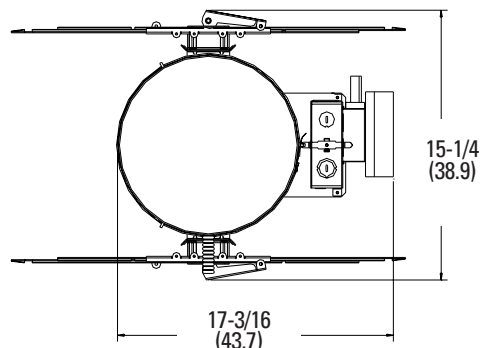
Type

Catalog number



HID Downlights 4" SQTH

Vertical Lamp
T4/T6



All dimensions are inches (centimeters)

Ceiling opening: 5-1/8 (13.0)
Overlap trim: 5-3/4 (14.6)
Aperture opening: 4-3/8 (11.1)

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: **SQTH T6 70MHC 4AR N LD 120**

SQTH

Series	Lamp Type	Wattage	Aperture/Trim	Distribution	Finish	Voltage	Options
SQTH	T4T¹ T4 T6²	20MHC 39MHC 70MHC	4AR Clear 4DSR Stepped 4PR Pewter 4WTR Wheat 4WR³ White 4BR³ Black 4DSR Stepped 4PDSR Stepped pewter 4WDSR Stepped wheat	N Narrow M Medium W Wide	(blank)⁴ Semi-specular LD Matte-diffuse	120 277 347	QRS⁵ Quartz restrike system QRSTD⁵ QRS with time delay EC⁵ Emergency circuit SF Single Fuse LRC⁶ Provides compatibility with Lithonia Reloc System. Access above ceiling required MFLG⁷ Microflange trim SQMT⁸ Square metal trim L/LP Less lamp TRW White flange CP Chicago Plenum approved

NOTES

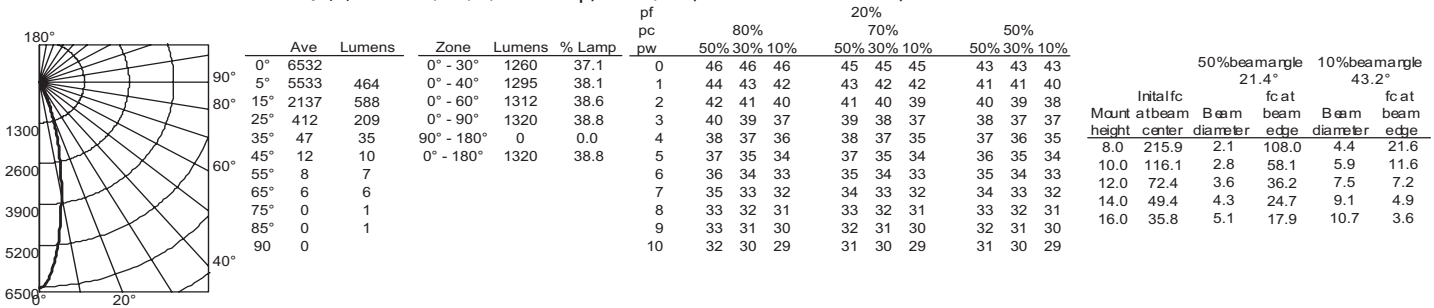
- 1 Philips Mini MasterColor available in 20W, 39W & 120V only.
- 2 Available in 39W and 70W only.
- 3 Not available with matte-diffuse finish.
- 4 Available with WR and BR trim colors and SQMT metal trim option.
- 5 Only available with SQMT metal trim option.
- 6 For compatible Reloc systems, refer to Technical bulletins tab.
- 7 MFLG standard with high impact polymer trim; must specify SQMT option for metal microflange trim.
- 8 Not available with stepped trims.

4" SQTH

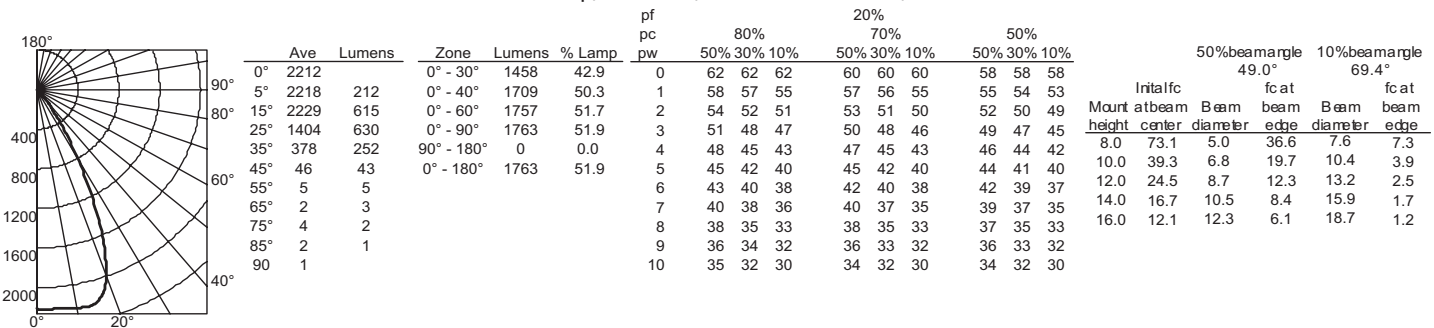
LAMP PERFORMANCE DATA

All data was calculated from each lamp manufacturer's published data and is subject to normal lamp variations. Maximum footcandle is usually at the aiming point, but not always on wider spread lamps. Lamp data supplied by manufacturers is approximate, and individual lamp performance may vary.

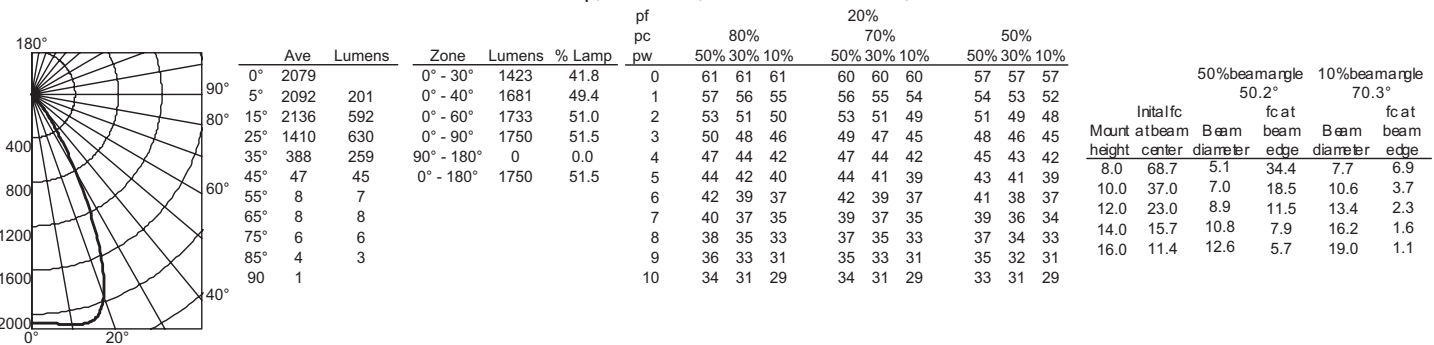
SQTH T4 39MHC 4AR LD N, (1) CMH39/TC/U/830 lamp, 0.4 s/mh, 3400 rated lumens, Test No. LTL18055



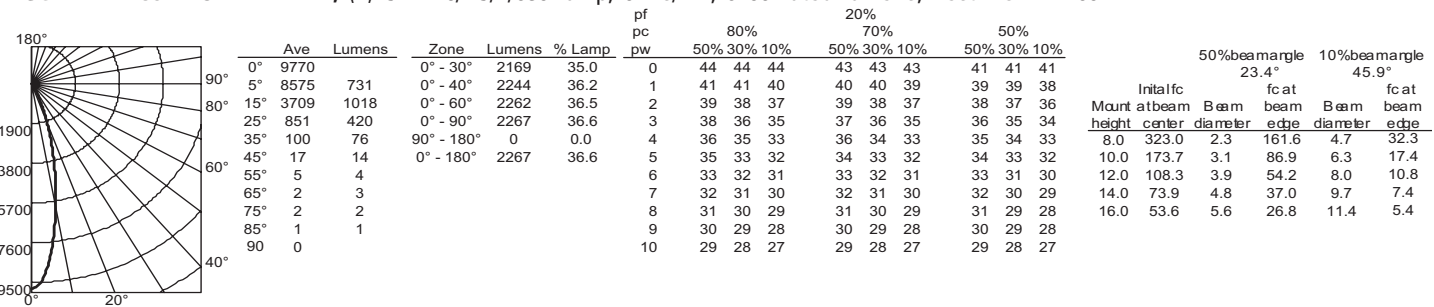
SQTH T4 39MHC 4AR LD W, (1) CMH39/TC/7/830 lamp, 0.9 s/mh, 3400 rated lumens, Test No. LTL18056



SQTH T4 39MHC 4AR LD W, (1) CMH39/TC/U/830 lamp, 0.9 s/mh, 3400 rated lumens, Test No. LTL18057



SQDTH T4 39MHC 4AR LD W, (1) CMH70/TC/7/830 lamp, 0.4 s/mh, 6200 rated lumens, Test No. LTL18044



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.

DHID-960

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