



# TRAC-MASTER®

MHV™ Metal Halide Trac

## CONIX® T4, G8.5 LAMP HOLDERS

TM218

Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

### PRODUCT DESCRIPTION

The sleek sculptured look and style of the Conix T4 fixtures is unparalleled in the industry. Their elegance is carried through the entire design for a fresh, contemporary appeal. Conix T4 fixtures have integral reflectors which enable either spot, flood or narrow flood distributions to be achieved with readily available T4 lamps. All fixtures relamp from the front for simplified maintenance. These lampholders have integral snap-in accessory holders that can accommodate one accessory in place of the clear glass lens provided. Combined with the new vertical ballast design, the MHV Series offers practical functionality with one of the smallest footprints in CMH Trac fixtures.

T4 ceramic metal halide lamps produce light output equivalent to halogen lamps of 3-4 times the wattage. They produce a crisp, white light in 3000K or 4200K color temperature with a color rendering index of up to 90+. Combined with new electronic ballast technology, these lamps last up to 15,000 hours with no perceived shift in color temperature. Ceramic metal halide trac fixtures are ideal for accent and perimeter lighting from higher ceilings and/or to create dramatic accents in settings, such as display windows, where contrast with high ambient light levels are required.



### PRODUCT SPECIFICATIONS

**Construction** Die cast aluminum back housing • Formed steel front housing • Extruded aluminum vertically mounted ballast housing.

**Socket** G8.5 bi-pin base, ceramic PPS • 5kV rated with nickel plated contacts.

**Aiming** Full 360° horizontal rotation eliminates aiming dead spots • 90° vertical aiming capability.

**Reflector** Precision designed integral reflector provides either spot, flood or narrow flood distributions with commonly available T4 lamps  
• Accessory reflector assemblies available to convert from one beam distribution to another without the use of tools.

**Lens** Fixture includes clear glass lens.

**Juno Universal Trac Adapter** Universally compatible with both Trac-Master 1-circuit or 2-circuit trac, Trac-Lites trac, monopoints and special mountings • Also UL Recognized for use on ConTech® LT Series track • Oversized trac adapter for greater mounting stability • Copper alloy contacts provide precise spring action - no arcing and will not take a set • True, positive electrical ground • On/off switch included • Patented embossed polarity arrows on bottom of adapter • Spring-loaded positive latch with embossed polarity arrows secures trac light to trac • Two-position power contact provided for two-circuit application.

**Alternate TEK/HTEK Trac Adapter** Compatible with either Juno TEK or HTEK trac systems • System specific and assembled to trac fixture  
• Integrally polarized construction to prevent reverse installation – only allows insertion in proper orientation • Rotary circuit selector enables simple switching between circuits • Integral on/off switch enables individual fixtures to be switched for servicing.

**Alternate GTYPE Trac Adapter** Compatible with track systems based on GES type track, including Lithonia LT Commercial Track (not LTS type)  
• System specific and assembled to trac fixture • Consult factory for additional information.

**Alternate HTYPE Trac Adapter** Compatible with track systems which use a H-type track adapter, including Lithonia LTS Decorative Track (not LT type)  
• System specific and assembled to trac fixture • Two-position power contact provided for two-circuit application • Consult factory for additional information.

**Alternate LTYPE Trac Adapter** Compatible with track systems which use a L-type track adapter • System specific and assembled to trac fixture  
• Two-position power contact provided for two-circuit application • Consult factory for additional information.

**Ballast** Premium, high efficiency electronic enclosed in an extruded aluminum monolith • Provides optimum color and CRI uniformity from fixture and fixture • Controlled starting current and stable normal operation maximizes lamp life • Faster hot restrike and lamp warm-up time compared to magnetic ballast • Automatic resetting thermal protection • MOV transient protection • End-of-life shutdown prevents nuisance cycling and flashing.

**Labels** UL listed • CSA certified • Union made • Assembled in U.S.A.

Specifications subject to change without notice.

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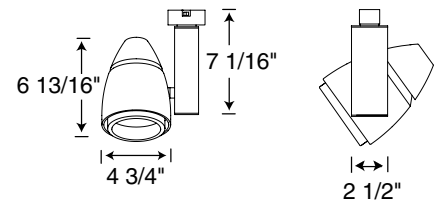
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**TRAC-MASTER®**MH<sub>v</sub><sup>TM</sup> Metal Halide Trac**CONIX® T4, G8.5  
LAMP HOLDERS****TM218****ORDERING INFORMATION**

Ordering Examples: TM218 39M SP WH, TM218 TEK 39M SP BL

**Lamp** 39W or 70W T4 **G8.5 bi-pin** base ceramic metal halide lamp.

Series	Mounting Adapter Type	Lamp Type	Distribution	Finish
<b>TM218</b> T4 Metal Halide	<b>(Blank)</b> Universal 120V Trac Adapter	<b>39M</b> 39W Metal Halide	<b>SP</b> Spot	<b>BL</b> Black
	<b>TEK</b> TEK 120V Trac Adapter	<b>70M</b> 70W Metal Halide	<b>NFL</b> Narrow Flood	<b>SL</b> Silver
	<b>HTEK</b> HTEK 277V Trac Adapter		<b>FL</b> Flood	<b>WH</b> White
	<b>GTYPE</b> G-Type Trac Adapter			
	<b>HTYPE</b> H-Type Trac Adapter			
	<b>LTYPE</b> L-Type Trac Adapter			



Accessories					
<b>HCLBL 375</b>	Hexcell Louver - Black	<b>DCCF 375</b>	Dichroic Color Correction Filter	<b>LSPREAD 375</b>	Linear Spread Glass Lens
<b>CCLBL 375</b>	Cube Cell Louver - Black	<b>DIFF 375</b>	Diffusion Glass Lens	<b>TMCR T4 SP</b>	Reflector Assembly - Spot
<b>SNOOTBL 375</b>	Snoot - Black	<b>UVF 375</b>	UV Filter	<b>TMCR T4 NFL</b>	Reflector Assembly - Narrow Flood
<b>CGF 375</b>	Color Glass Filter	<b>SOLITE 375</b>	Uniformity Lens (Solite)	<b>TMCR T4 FL</b>	Reflector Assembly - Flood
<b>DGF 375</b>	Dichroic Glass Filter	<b>PRISM 375</b>	Prismatic Spread Glass Lens	<b>T4ON<sup>1</sup></b>	Monopoint

See specification sheet [D1.2.0](#) and [D1.2.2](#) for details

## Notes:

<sup>1</sup> Add finish code to complete catalog number (Example: T4ON WH).

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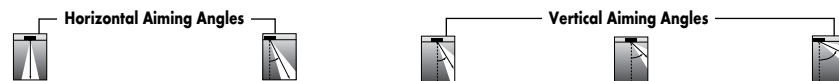
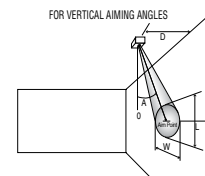
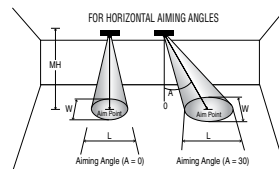
TM218

### ENGINEERING DATA

	39W	70W
ANSI #	M-130	-98/M-139/M-143
Input Voltage	120V	20V
Input Current	0.38A	0.64A
Input Power	45W	75W
Power Factor	>.90	>.90
Lamp Current Crest Factor	<1.5 Typ.	1.4 Typ.
Ballast Factor	1.0 Typ.	11.0 Typ.
T.H.D.	<20%	<20%
Max. Recommended Ambient		
Operating Temperature	40° C	40° C
EMI	FCC Part 18 Class B	FCC Part 18 Class B
Sound Rating	A	A

**CBCP** • Centerbeam candlepower  
**FC** • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°, 1.732 for 60°).



Lamp	Beam Type	Beam Spread	Rated Life	CBCP	0°				30°			30°				45°				60°					
					MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W	D	FC	X	L	W
39W T4 G8.5 Ceramic Metal Halide	SP	10°	12000	27520	10	275	1.7	1.7	179	2.3	2.0	4	215	6.9	2.9	1.4	608	4.0	1.4	1.0	6	497	3.5	0.9	0.8
					12	191	2.1	2.1	124	2.8	2.4	6	96	10.4	4.3	2.1	270	6.0	2.1	1.5	9	221	5.2	1.4	1.2
					14	140	2.4	2.4	91	2.3	2.8	8	54	13.9	5.7	2.8	152	8.0	2.8	2.0	12	124	6.9	1.9	1.6
					16	108	2.8	2.8	70	3.7	3.2	10	34	17.3	7.2	3.5	97	10.0	3.5	2.5	15	79	8.7	2.3	2.0
					18	85	3.1	3.1	55	4.2	3.6	12	24	20.8	8.6	4.2	68	12.0	4.2	3.0	18	55	10.4	2.8	2.4
					8	124	3.8	3.8	80	5.2	4.4	2	248	3.5	4.6	1.9	700	2.0	2.0	1.4	4	322	2.3	1.3	1.1
	NFL	27°	12000	7924	10	79	4.8	4.8	51	6.5	5.5	4	62	6.9	9.3	3.8	175	4.0	4.1	2.7	6	143	3.4	2.6	2.2
					12	55	5.8	5.8	36	7.8	6.7	6	28	10.4	13.9	5.8	78	6.0	6.1	4.1	8	80	4.6	3.9	3.3
					14	40	6.7	6.7	26	9.1	7.8	8	15	13.9	18.6	7.7	44	8.0	8.2	5.4	10	51	5.8	5.2	4.4
					16	31	7.7	7.7	20	10.4	8.9	10	10	17.3	23.2	9.6	28	10.0	10.2	6.8	12	36	6.9	6.5	5.5
					8	74	5.8	5.8	48	8.1	6.7	2	148	3.5	9.7	2.9	419	2.0	3.4	2.1	2	770	1.2	2.0	1.7
					10	47	7.3	7.3	31	10.2	8.4	3	66	5.2	14.5	4.4	186	3.0	5.0	3.1	3	342	1.7	3.0	2.5
	FL	40°	12000	4741	12	33	8.7	8.7	21	12.2	10.1	4	37	6.9	19.3	5.8	105	4.0	6.7	4.1	4	192	2.3	4.1	3.4
					14	24	10.2	10.2	16	14.2	11.8	5	24	8.7	24.2	7.3	67	5.0	8.4	5.1	5	123	2.9	5.1	4.2
					16	19	11.6	11.6	22	16.2	13.4	6	16	10.4	**	8.7	47	6.0	10.1	6.2	6	86	3.5	6.1	5.0

For 70W lamps use 1.82 multiplier.

The beam spread in degrees and the beam "L" and "W" in the following tables are computed at 50% of centerbeam candlepower and represent areas of "effective illumination."

\*\*Due to steep aiming angle, length of beam extends beyond 25'.