



TRAC-MASTER®

MH_v™ Metal Halide Trac CYLINDRA™ MR16 LAMPHOLDER

TM241

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

PRODUCT DESCRIPTION

The contemporary styling of the Cylindra fixture enables it to subtly enhance practically any decor without diverting attention from the surrounding environment. Soft curved surfaces combine with clean, crisp edges to provide a uniquely attractive aesthetic. Cylindra's integral, bayonet-mounted accessory holder accommodates up to two accessories simultaneously. Combined with the new vertical ballast design, the MH_v Series offers practical functionality with one of the smallest footprints in CMH Trac fixtures.

Ceramic metal halide lamps produce light output equivalent to halogen PAR lamps of 3-4 times the wattage. They produce a crisp, white light in 3000K color temperature with a color rendering index of up to 80+. Combined with new electronic ballast technology, these lamps last up to 12,000 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 housing • Extruded aluminum vertically mounted ballast housing.

Socket GX10 twist & lock, PPS • 5kV rated with nickel plated contacts.

Accessory Holder Integral to fixture design • Die cast aluminum construction • Precision bayonet mounting design • Accommodates up to two accessories simultaneously.

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

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 stability and CRI uniformity from fixture to fixture • Controlled lamp output ensures stable normal operation maximizing 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 and C-UL Listed • Union made • Assembled in U.S.A.

Specifications subject to change without notice.

ENGINEERING DATA

	20W	39W
ANSI #	M-156	M-130
Input Voltage	120V	120V
Input Current	0.20A	0.38A
Input Power	24.5W	45W
Power Factor	>.90	>.90
Lamp Current Crest Factor	<1.4 Typ.	<1.5 Typ.
Ballast Factor	1.0 Typ.	1.0 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

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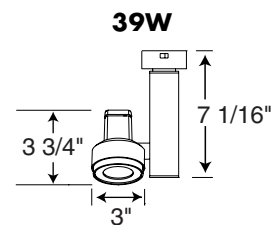
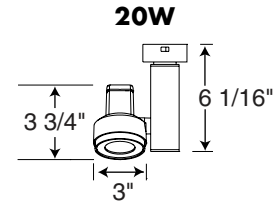
MH_v™ Metal Halide Trac
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ORDERING INFORMATION

Ordering Examples: TM241 39M WH, TM241 TEK 39M BL

Lamp 20W or 39W MR16 **GX10 twist & lock** base ceramic metal halide lamp.

Series	Mounting Adapter	Lamp Type	Finish
TM241 MR16 Metal Halide	(Blank) Universal Trac Adapter	20M 20W Metal Halide	BL Black
	TEK TEK 120V Trac Adapter	39M 39W Metal Halide	SL Silver
	HTEK ² HTEK 277V Trac Adapter		WH White
	GTYPE G-Type Trac Adapter		
	HTYPE H-Type Trac Adapter		
	LTYPE L-Type Trac Adapter		



Accessories			
HCLBL 200	Hexagonal Cell Louver - Black	DIFF 200	Diffusion Lens
SNOOTBL 200	Snoot - Black	SOLITE 200	Uniformity Lens
EYEBROWBL 200	Eyebrow - Black	PRISM 200	Prismatic Spread Lens
CGF 200	Color Glass Filters	LSPREAD 200	Linear Spread Lens
DGF 200	Dichroic Glass Filters	T74BL 175	Barn Doors - Black
DCCF 200	Dichroic Color Correction Filter	T40N¹	Monopoint Canopy
UVF 200	UV Filter		

See specification sheet [D1.2.2](#) for details.Other accessories can be found on specification sheet [D1.2.0](#).

Notes:

- 1 Add finish code to complete catalog number (Example: T40N WH).
- 2 HTEK version only available with 39M option.

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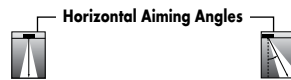
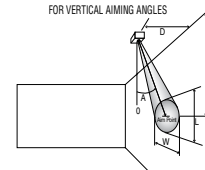
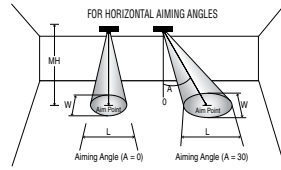
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CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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	D	FC	X	L	W				
20W MR16 Ceramic Metal Halide 	SP	12°	15000	9000	6	250	1.3	1.3	162	1.7	1.5	4	70	6.9	3.5	1.7	199	4.0	1.7	1.2	6	162	3.5	1.7	1.5
					8	141	1.7	1.7	91	2.3	1.9	5	45	8.7	4.3	2.1	127	5.0	2.1	1.5	9	72	5.2	2.5	2.2
					10	90	2.1	2.1	58	2.8	2.4	6	31	10.4	5.2	2.5	88	6.0	2.6	1.8	12	41	6.9	3.4	2.9
					12	63	2.5	2.5	41	3.4	2.9	7	23	12.1	6.1	2.9	65	7.0	3.0	2.1	15	26	8.7	4.2	3.6
	FL	25°	15000	2900	4	181	1.8	1.8	118	2.4	2.0	2	91	3.5	4.2	1.8	256	2.0	1.9	1.3	4	118	2.3	2.4	2.0
					6	81	2.7	2.7	52	3.6	3.1	3	40	5.2	6.2	2.7	114	3.0	2.8	1.9	6	52	3.5	3.6	3.1
					8	45	3.5	3.5	29	4.8	4.1	4	23	6.9	8.3	3.5	64	4.0	3.7	2.5	8	29	4.6	4.8	4.1
					10	29	4.4	4.4	19	6.0	5.1	5	15	8.7	10.4	4.4	41	5.0	4.7	3.1	10	19	5.8	6.0	5.1
	WFL	40°	15000	1500	4	94	2.9	2.9	61	4.1	3.4	2	47	3.5	9.7	2.9	133	2.0	3.4	2.1	2	244	1.2	2.0	1.7
					5	60	3.6	3.6	39	5.1	4.2	3	21	5.2	14.5	4.4	59	3.0	5.0	3.1	3	108	1.7	3.0	2.5
					6	42	4.4	4.4	27	6.1	5.0	4	12	6.9	19.3	5.8	33	4.0	6.7	4.1	4	61	2.3	4.1	3.4
					7	31	5.1	5.1	20	7.1	5.9	5	8	8.7	24.2	7.3	21	5.0	8.4	5.1	5	39	2.9	5.1	4.2
39W MR16 Ceramic Metal Halide 	SP	12°	15000	16000	8	250	1.7	1.7	162	2.3	1.9	4	125	6.9	3.5	1.7	354	4.0	1.7	1.2	6	289	3.5	1.7	1.5
					10	160	2.1	2.1	104	2.8	2.4	6	56	10.4	5.2	2.5	157	6.0	2.6	1.8	9	128	5.2	2.5	2.2
					12	111	2.5	2.5	72	3.4	2.9	8	31	13.9	7.0	3.4	88	8.0	3.4	2.4	12	72	6.9	3.4	2.9
					14	82	2.9	2.9	53	3.9	3.4	10	20	17.3	8.7	4.2	57	10.0	4.3	3.0	15	46	8.7	4.2	3.6
	FL	25°	15000	5500	6	153	2.7	2.7	99	3.6	3.1	2	172	3.5	4.2	1.8	486	2.0	1.9	1.3	4	223	2.3	2.4	2.0
					8	86	3.5	3.5	56	4.8	4.1	3	76	5.2	6.2	2.7	216	3.0	2.8	1.9	6	99	3.5	3.6	3.1
					10	55	4.4	4.4	36	6.0	5.1	4	43	6.9	8.3	3.5	122	4.0	3.7	2.5	8	56	4.6	4.8	4.1
					12	38	5.3	5.3	25	7.2	6.1	5	28	8.7	10.4	4.4	78	5.0	4.7	3.1	10	36	5.8	6.0	5.1
	WFL	40°	15000	3000	5	120	3.6	3.6	78	5.1	4.2	2	94	3.5	9.7	2.9	265	2.0	3.4	2.1	3	217	1.7	3.0	2.5
					6	83	4.4	4.4	54	6.1	5.0	3	42	5.2	14.5	4.4	118	3.0	5.0	3.1	4	122	2.3	4.1	3.4
					7	61	5.1	5.1	40	7.1	5.9	4	23	6.9	19.3	5.8	66	4.0	6.7	4.1	5	78	2.9	5.1	4.2
					8	47	5.8	5.8	30	8.1	6.7	5	15	8.7	24.2	7.3	42	5.0	8.4	5.1	6	54	3.5	6.1	5.0
9	37	6.6	6.6	24	9.1	7.6	6	10	10.4	**	8.7	29	6.0	10.1	6.2	7	40	4.0	7.1	5.9					

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'.