

PRODUCT SPECIFICATIONS

Lamp One, two or three T6 metal halide lamps.

Lamp Holder: G12 socket base with recessed female contacts • 660W, 600V, rated for 5KV pulse

Lamp Housing Integral accessory holder and metal snoot for improved lamp shielding • Can be combined with accessory louver and/or accessory color filters.

Aiming 45° vertical aiming capability and 360° horizontal rotation • Each lampholder is individually aimable.

Trim Finish All black with white flange (BL) or all white with white lamp cartridge and white flange (WH).

Electronic Ballast Premium, high efficiency, constant power electronic ballast provides optimum color and CRI uniformity from fixture to fixture • Offers most consistent lumen output and photometric performance over life of lamp • 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 • May be replaced from above or below ceiling • 120/277VAC input voltage.

Lamp Guard Clear tempered glass.

Labels UL/C-UL listed for through-branch wiring, damp locations, and IP • Product thermally protected against improper use of lamps or insulation • I.B.E.W. Union made • CSA certified.

Product specifications subject to change without notice.

INSTALLATION

Mounting Bracket Mounting brackets have 2.5" vertical adjustment and accept proprietary Tru-Lock bar hangers, 1 1/2" C-channel and flat linear bars (ordered as accessories) or 1/2" EMT, 3/4" and 1 1/2" C-channel (by others) • One-piece Tru-Lock bar hangers have integral T-bar locking screws and alignment notches for locating and locking fixture in the center or 1/4 tile increments.

Housing 22 gauge die-formed galvanized steel, vented • Electrical connections can be made from below the ceiling in an internal wireway or from above the ceiling through a wireway access cover • Wireway access cover has (2) 1/2" knockouts with pry-out slot for conduit attachment • 1/2" knockouts with pry-out slots are located on each end of fixture for conduit attachment or continuous row, end-to-end fixture installation.

Trim Attaches to housing using torsion springs • Lamps are replaced by removing lampholder insert/snoot assembly but without removing trim section.

Accessories Up to three accessories may be used simultaneously in each lampholder including the optional snoot.

T6 METAL HALIDE MULTI-SPOTS®

Multi-Lamp Recessed Adjustables

Ceramic Arc Tube

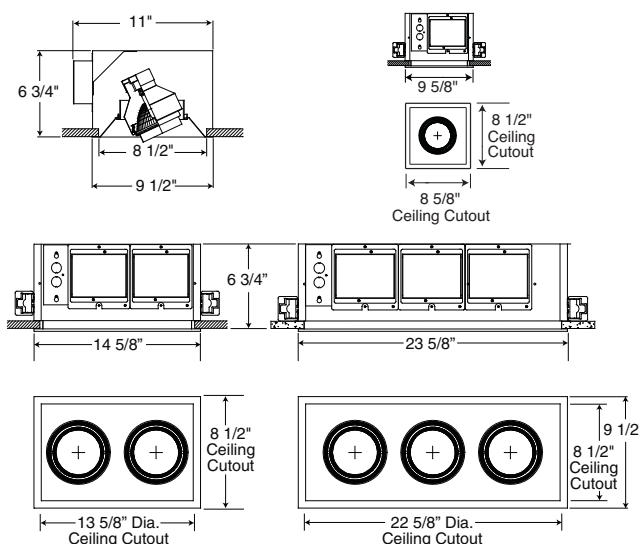
20/39/70W T6/T4.5

MST6

ELECTRONIC BALLAST

Type	Cat. No.
_____	_____
_____	_____
Project: _____	
Notes: _____	

DIMENSIONS



ORDERING INFORMATION: Rough-in and accessories ordered separately.

Example: **MST6-SS-70H-BL**

Rough-In	Beam Spread / One per Lamp			Wattage/Lamp	Finish	Options
	1	2	3			
MST6	☐	☐	☐	☐	☐	☐
MST6 T6/T4.5 MH Lamp G12 base	S Spot N Narrow Flood F Flood			20H 20W T4.5 MH 120/277V Electronic 39H 39W T6 MH 120/277V Electronic 70H 70W T6 MH 120/277V Electronic	WH White BL Black	†347 347 Volt ***F Fuse and Fuse Holder (Where *** = voltage) †CP Chicago Plenum
	Note: Only use one beam spread designations for 1-lamp units. (see example below)					
	Note: Only use two beam spread designations for 2-lamp units. (see example below)					

Ordering Example: 1-Lamp Unit; MST6-S-70H-BL
2-Lamp Unit; MST6-SS-70H-BL
3-Lamp Unit; MST6-FSF-70H-BL

Example: **HB-TL**

Accessories	
HB-TL	Two 25" Tru-Lock Bar Hangers, Pair
HB-28	Two 28" C-channel Bar Hangers, Pair
HB-52	Two 52" C-channel Bar Hangers, Pair
LB-27	Two 27" Linear Bar Hangers, Pair
T569BL	Louver-3 3/4" Dia. with 1/2 Sq. Cells
T561	Med. Pink Color Filter
T562	Warm Red Color Filter
T563	Daylight Blue Color Filter
T564	Med. Blue Color Filter
T565	Med. Amber Color Filter
T566	Med. Green Color Filter
T5677	Prismatic Spread Lens
T5678	Linear Spread Lens
T5621	Uniformity Lens
T5619	Color Correction Lens/UV Filter
T5622	UV Filter

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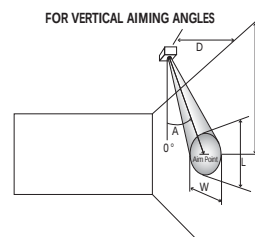
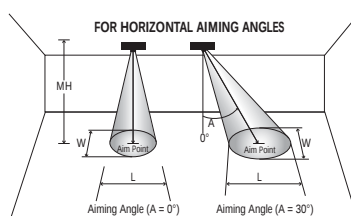
20/39/70W T6/T4.5

MST6

ELECTRONIC BALLAST

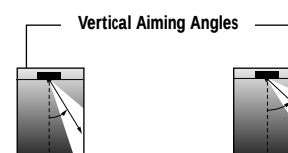
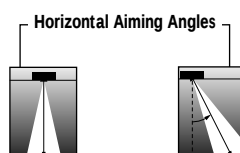
ENGINEERING DATA

	20W	39W	70W
ANSI #	M-156	M-130	M-98/M-139/M-143
Input Voltage	120V 277V	120V 277V	120V 277V
Input Current	0.21A 0.10A	0.37A 0.17A	0.67A 0.29A
Input Power	24W	44W	79W
Power Factor	>0.90	>0.90	>0.90
Lamp Current Crest Factor	<1.2 Typ.	<1.2 Typ.	<1.2 Typ.
Ballast Factor	1.0 Typ.	1.0 Typ.	1.0 Typ.
T.H.D.	<15%	<15%	<15%
Max. Recommended Ambient			
Operating Temperature	40° C	40° C	40° C
EMI	FCC Part 18 Class A	FCC Part 18 Class A	FCC Part 18 Class A
Sound Rating	A	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°).



Lamp	Beam Type	Beam Spread°	Rated Life	CBCP	0°				30°				30°				45°			
					MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
70W T6 G12 Ceramic Metal Halide	SP	8°	15000	53513	10	535	1.5	1.5	348	2.0	1.7	4	418	6.9	2.4	1.2	1182	4.0	1.2	0.8
					12	372	1.8	1.8	241	2.4	2.0	6	186	10.4	3.6	1.8	526	6.0	1.8	1.2
					14	273	2.1	2.1	177	2.7	2.4	8	105	13.9	4.8	2.3	296	8.0	2.4	1.7
					16	209	2.3	2.3	136	3.1	2.7	10	67	17.3	6.0	2.9	189	10.0	3.0	2.1
					18	165	2.6	2.6	107	3.5	3.1	12	46	20.8	7.2	3.5	131	12.0	3.5	2.5
					8	254	3.5	3.5	165	4.7	4.0	2	508	3.5	4.1	1.7	1438	2.0	1.8	1.2
	NFL	25°	15000	16270	10	163	4.4	4.4	106	5.9	5.0	4	127	6.9	8.1	3.5	360	4.0	3.8	2.5
					12	113	5.2	5.2	73	7.1	6.0	6	56	10.4	12.2	5.2	160	6.0	5.5	3.7
					14	83	6.1	6.1	54	8.3	7.0	8	32	13.9	16.3	7.0	90	8.0	7.3	4.9
					16	64	7.0	7.0	41	9.5	8.1	10	20	17.3	20.3	8.7	58	10.0	9.2	6.2
					8	121	6.1	6.1	79	8.5	7.0	2	243	3.5	10.8	3.0	686	2.0	3.6	2.2
					10	78	7.6	7.6	50	10.7	8.8	3	108	5.2	16.2	4.6	305	3.0	5.3	3.2
	FL	42°	15000	7765	12	54	9.1	9.1	35	12.8	10.6	4	61	6.9	21.6	6.1	172	4.0	7.1	4.3
					14	40	10.7	10.7	26	14.9	12.3	5	39	8.7	**	7.6	110	5.0	8.9	5.4
					16	30	12.2	12.2	20	17.1	14.1	6	27	10.4	**	9.1	76	6.0	10.7	6.5

For 39W lamps use 0.55 multiplier.
For 20W lamps use 0.26 multiplier.

The beam spread in degrees and the beam "L" and "W" in the above 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'.