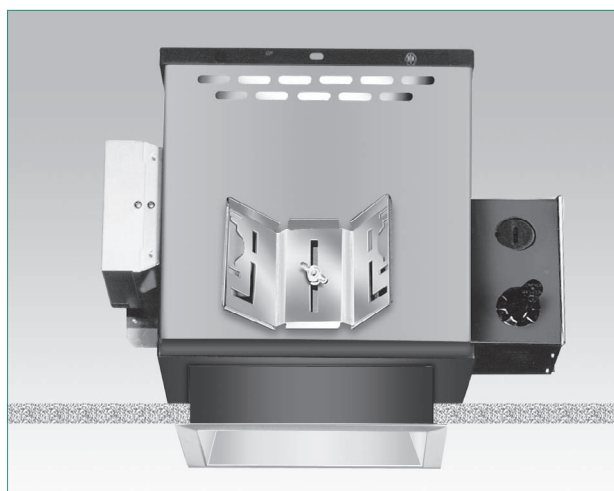
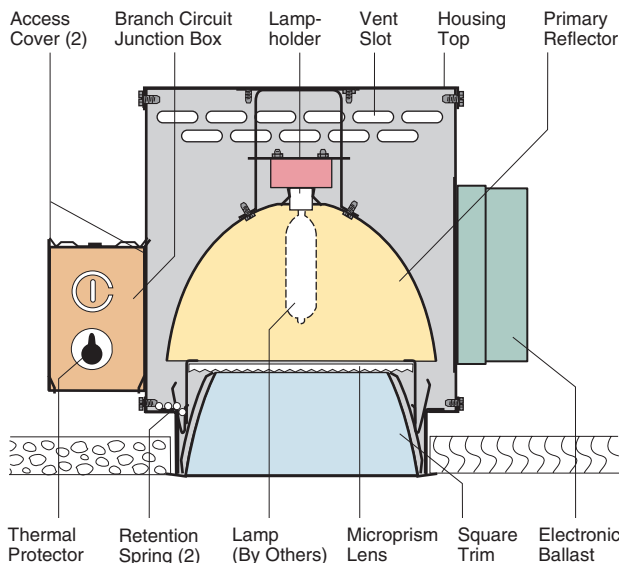


H8606



Downlight
39-70-150W Metal Halide T-6 Lamps
6" Square Parabolic Trim

Optics and Applications

The vertical lamp produces a medium distribution pattern. A microprism spread lens is supplied to satisfy code requirements and for brightness control. For general or task lighting in low to medium height ceilings.

Design Features

A sturdy steel housing protects the optical system and assures proper focal position. The trim is stabilized to prevent racking and is retained by constant pressure springs. Maximum ceiling thickness 1 1/2". Top or bottom service.

Finish

Housing and structural parts are painted matte black to suppress stray light leaks. The trim is anodized Softglow® clear. Special finishes, textures and colors are available.

Ballasts

Electronic metal halide ballasts provide more constant lumen and wattage output. They feature thermal protection with auto reset, higher CRI, fast restrike, quiet operation and automatic shutdown at end of life. They draw less energy than magnetic ballasts, permitting more fixtures on a circuit. Specify EBH5 for 150W size.

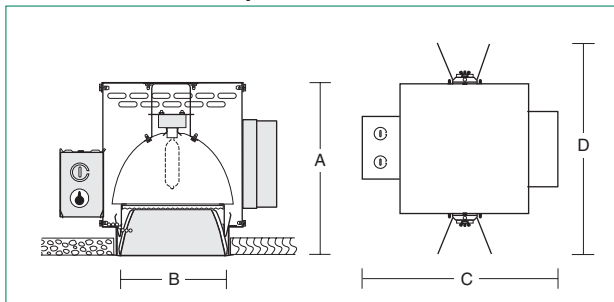
Trim Textures

Select among different embossed patterns to match the ambiance of the space being illuminated. Refer to Squares brochure for descriptive photos.

General

Fixtures are pre-wired, thermally protected, UL and C-UL listed for eight wire 75°C branch circuit wiring. Union made IBEW. Luminaire Efficiency Rating (LER) data is in the photometric directory located in Section Z.

Dimensions and Lamps



Number	A Depth	B Aperture	C Width	D Length	Lamps
H8606*	11" 280mm	6" sq. 153mm	13 1/4" 337mm	13 3/4" 350mm	39-70W T-6 Metal halide bi-pin base
H8606-150	11" 280mm	6" sq. 153mm	17 1/4" 438mm	16 1/2" 419mm	150W T-6 Metal halide bi-pin base

*To specify add watts and volts for proper ballast, e.g. H8606-39277.

Matching Square Units

- Compact fluorescent [Pages H22, H23](#)
- Directionals [Page H27](#)
- Halogena, A lamps [Page H10](#)
- Low voltage [Pages H5, H6](#)
- Tungsten Halogen [Page H11](#)
- Metal halide [Pages H27, H28](#)
- Wall washer [Page H42](#)

* Click for link to pages in blue.

Accessories

- SB Softglow black.
- SG Softglow gold.
- SH Softglow mocha.
- SP Softglow graphite.
- ST Softglow titanium.
- SW Softglow wheat.
- SY Softglow pewter.
- SZ Softglow bronze.
- F Ballast fuse.
- FC Four cell cross baffle.
- V347 347 volt ballast, contact the factory.
- R2 26" support rails.
- R5 52" support rails.
- WT White trim flange.
- WHT White complete trim.
- BP Ball Peen texture.
- CG Corrugated texture.
- DS Distressed texture.
- WV Woven texture.
- BR Bright trim finish.
- LL Linear lens.
- LP Large prism lens.
- FR Frosting on lens.

EBH5 Electronic ballast, 150W.

EC Emergency circuit with mini-can socket and leads.

AOE1 Electronic ballast Auto-On restrike system 120V.

AOE2 Electronic ballast Auto-On restrike system 277V.

Brightness

Number	Lamps	85°	75°	65°	55°	45°
H8606	39W MH T-6 Clear	62	174	322	9794	38733
	70W MH T-6 Clear	122	342	632	19197	75914
	150W MH T-6 Clear	83	334	670	17576	84681

Data in footlamberts. Photometer readings, Maximum Brightness Method.



Kurt Versen Company Point Source Lighting
 Westwood, New Jersey 07675

H26 H8606

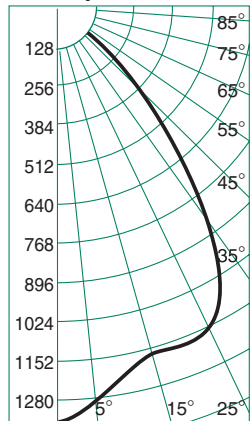
Performance Datachart

Single Unit, Initial Footcandles, 30" Work Plane						Ceiling to Floor		Multiple Units, Initial Footcandles, 30" Work Plane			
H8606 39W T-6 MH Clear Read Top Data								Ceiling 80% Walls 50% Floor 20%			
H8606 70W T-6 MH Clear Read Bottom Data								Spacing is Maximum Over Work Plane			
Nadir		15°		25°		35°					
FC	FC	Diam	FC	Diam	FC	Diam					
44	35	3'	29	5'	13	8'	8'	6'	50	42	29
83	66	3'	56	5'	27	8'		6'	90	75	52
24	19	4'	15	7'	7	11'	10'	8'	27	23	16
44	35	4'	30	7'	15	11'		9'	48	40	28
15	12	5'	10	9'	4	13'	12'	11'	17	14	10
28	22	5'	19	9'	9	13'		12'	30	25	17
10	8	6'	7	11'	3	16'	14'	13'	11	10	7
19	15	6'	13	11'	6	16'		14'	21	17	12
7	6	7'	5	13'	2	19'	16'	15'	8	7	5
14	11	7'	9	13'	4	19'		16'	15	12	9

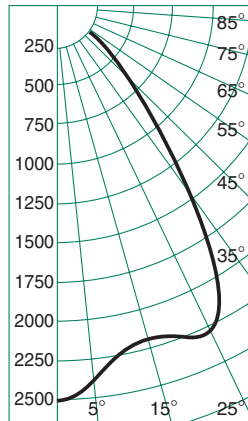
Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor		Multiple Units Initial Footcandles, 30" Work Plane			
H8606 150W T-6 MH Clear								Ceiling 80% Walls 50% Floor 20%			
								Spacing is Maximum Over Work Plane			
Nadir		15°		25°		35°					
FC	FC	Diam	FC	Diam	FC	Diam					
108	77	5'	44	9'	14	13'	12'	8'	144	125	91
74	53	6'	30	11'	9	16'		14'	98	86	62
53	38	7'	22	13'	7	19'	16'	11'	71	62	45
41	29	8'	16	14'	5	22'		18'	54	47	34
32	23	9'	13	16'	4	25'	20'	14'	42	37	27

Colored trim multipliers: Gold x .90, Wheat x .85, Mocha x .80, Pewter x .80, Graphite x .75, Titanium x .75, Bronze x .70, Black x .70.

Candlepower Distribution



H8606 39W T-6 MH Clear
Eff. 54% S/M 1.13



H8606 70W T-6 MH Clear
Eff. 55% S/M 1.18

Candelas

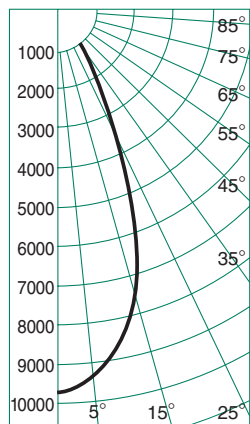
°	39W	70W
	3200*	6200*
0	1340	2497
5	1290	2387
10	1196	2225
15	1164	2200
20	1179	2247
25	1164	2258
30	1012	2010
35	733	1489
40	487	1002
45	290	603
50	155	322
55	70	145
60	25	50
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

° Vertical Angles
* Initial Lamp Lumens

Coefficients of Utilization

Ceiling	80%				70%		50%		30%		0
	Wall %	70	50	30	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Floor Reflectance 20%										
1	.62	.61	.59	.58	.60	.57	.57	.55	.55	.54	.51
2	.59	.56	.53	.51	.55	.51	.53	.50	.51	.49	.47
3	.55	.51	.48	.46	.51	.46	.49	.45	.48	.44	.42
4	.52	.47	.44	.41	.47	.41	.45	.41	.44	.40	.39
5	.49	.44	.40	.37	.43	.37	.42	.37	.41	.37	.35
6	.46	.40	.37	.34	.40	.34	.39	.34	.38	.33	.32
7	.43	.38	.34	.31	.37	.31	.36	.31	.36	.31	.30
8	.41	.35	.31	.29	.35	.29	.34	.28	.33	.28	.27
9	.39	.33	.29	.26	.32	.26	.32	.26	.31	.26	.25
10	.36	.30	.27	.24	.30	.24	.30	.24	.29	.24	.23

H8606 39W T-6 MH Clear
70W T-6 MH Clear



H8606 150W T-6 MH Clear
Eff. 57% S/M .81

Notes

- All data calculated using clear Softglow® trims.
- Datachart spacing is rounded off to the nearest foot.
- Datachart degree headings measure one side from nadir. Diameter data includes both sides. Therefore the 10° column value describes a 20° pattern diameter at the work plane 30" above the floor. Footcandle values are at the diameter edge.
- Our brightness data derives from direct photometer readings which approximate what the eye perceives when evaluating glare. For a complete discussion refer to Z section brochure Z1.

°	150W
	13500*
0	9731
5	9474
10	8738
15	7749
20	6737
25	5283
30	3751
35	2237
40	1310
45	723
50	385
55	188
60	73
65	0
70	0
75	0
80	0
85	0
90	0

° Vertical Angles
* Initial Lamp Lumens

Ceiling	80%				70%		50%		30%		0
	Wall %	70	50	30	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Floor Reflectance 20%										
1	.65	.63	.62	.60	.62	.59	.60	.58	.57	.56	.53
2	.61	.59	.56	.55	.58	.54	.56	.53	.54	.52	.50
3	.58	.55	.52	.50	.54	.49	.52	.49	.51	.48	.46
4	.55	.51	.48	.46	.51	.45	.49	.45	.48	.44	.43
5	.53	.48	.45	.42	.47	.42	.46	.42	.45	.41	.40
6	.50	.45	.42	.39	.45	.39	.44	.39	.43	.39	.38
7	.48	.42	.39	.37	.42	.37	.41	.36	.41	.36	.35
8	.45	.40	.37	.34	.40	.34	.39	.34	.38	.34	.33
9	.43	.38	.34	.32	.38	.32	.37	.32	.37	.32	.31
10	.41	.36	.33	.30	.36	.30	.35	.30	.35	.30	.29

H8606 150W T-6 MH Clear