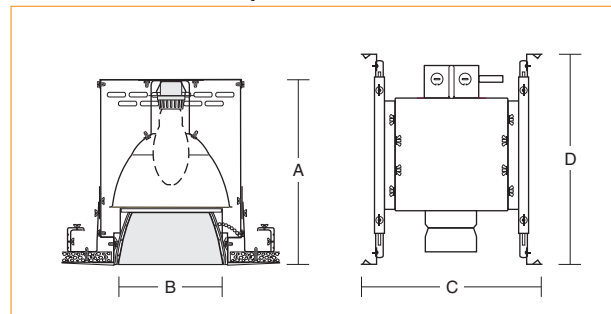


Dimensions and Lamps



Number	A Depth	B Aperture	C Width	D Length	Lamp
H8617FM*	10 7/8" 277mm	6" sq. 153mm	15" 381mm	14 1/4" 362mm	50-70-100W ED-17 Metal Halide
H8617FM-150	10 7/8" 277mm	6" sq. 153mm	17 3/4" 451mm	17" 432mm	150W ED-17 Metal Halide

*To specify add watts and volts for proper ballast, e.g. H8617FM-70277.

H8617FM

Flush Mount Downlight
50-150W ED-17 Metal Halide Lamps
6" Square Parabolic Trim

Flush Mount

Kurt Versen's flush mount fixtures eliminate overlapping flanges and lock into the ceiling for a unique, finished appearance. A clean, uncluttered ceiling emphasizes the attention to detail, enhancing the impact of the interior environment. It is a factory installed option with a proven installation technique.

Optics and Applications

An ellipsoidal primary reflector redistributes lamp output through a parabolic shielding trim. The pattern is uniform with medium wide distribution.

Design Features

A vented steel housing is standard. Flush mount design resists cracking and chipping by mechanically fastening fixture to drywall. To simplify installation, three adjustment mechanisms adapt the fixture to ceiling conditions. Adjustable mounting rails fit different support systems and accommodate ceiling thicknesses from 3/8" to 7/8". Maximum extension is 26". 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 and colors are available.

Ballast

Integral, encased, electronic ballast is standard. Features quiet operation, thermal protection and lamp shutdown at end of life. Input voltage is 120V or 277V, power factor is >.90.

General

Fixtures are pre-wired and thermally protected, UL and C-UL listed for damp location and eight wire 75°C branch circuit wiring. Union made IBEW.

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.
- WHT White complete trim.
- BR Bright trim finish.
- LL Linear lens.
- LP Large prism lens.
- MP Microprism lens.
- FR Frosted lens, specify type.
- F Ballast fuse.
- WR White trim return.
- V347 347 volt ballast, contact the factory.
- OP Open construction, no lamp shield.
- EC Emergency circuit with mini-can socket and leads.*
- TLI 60W emergency incandescent lamp.
- AOE1 Electronic ballast Auto-On restrike system 120V.*
- AOE2 Electronic ballast Auto-On restrike system 277V.*
- FMW Flush mount wood, contact the factory.

Matching Square Units

Directionals
 Wall washers

Section FMH 5
 Section FMH 6

FMH H8617FM

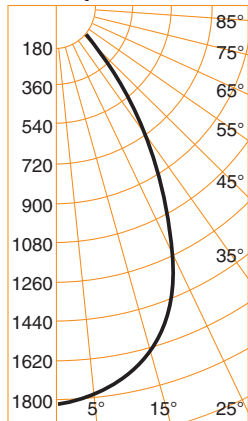
4-12

Performance Datachart

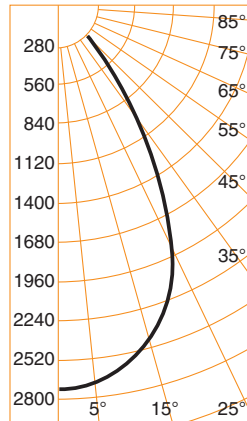
Single Unit, Initial Footcandles, 30" Work Plane						Ceiling to Floor	Multiple Units, Initial Footcandles, 30" Work Plane			
H8617FM 50W ED-17 MH/C Read Top Data						8'	Ceiling 80% Walls 50% Floor 20%			
H8617FM 70W ED-17 MH/C Read Bottom Data							Spacing is Maximum Over Work Plane			
Nadir	15°		25°		35°		Spacing	RCR 1	RCR 3	RCR 8
FC	FC	Diam	FC	Diam	FC	Diam				
60	49	3'	31	5'	11	8'	5'	75	64	46
91	73	3'	47	5'	17	8'	5'	111	96	68
32	26	4'	17	7'	6	11'	7'	40	35	25
49	39	4'	25	7'	9	11'	7'	60	52	37
20	16	5'	10	9'	4	13'	9'	25	22	16
30	25	5'	16	9'	6	13'	9'	37	32	23
14	11	6'	7	11'	3	16'	11'	17	15	11
21	17	6'	11	11'	4	16'	11'	25	22	16
10	8	7'	5	13'	2	19'	13'	12	11	8
15	12	7'	8	13'	3	19'	13'	18	16	11

Single Unit, Initial Footcandles, 30" Work Plane						Ceiling to Floor	Multiple Units, Initial Footcandles, 30" Work Plane			
H8617FM 100W ED-17 MH/C Read Top Data						12'	Ceiling 80% Walls 50% Floor 20%			
H8617FM 150W ED-17 MH/C Read Bottom Data							Spacing is Maximum Over Work Plane			
Nadir	15°		25°		35°		Spacing	RCR 1	RCR 3	RCR 8
FC	FC	Diam	FC	Diam	FC	Diam				
47	40	5'	24	9'	8	13'	9'	54	48	35
63	56	5'	33	9'	10	13'	9'	75	65	47
32	27	6'	16	11'	5	16'	11'	37	33	24
43	38	6'	23	11'	7	16'	11'	51	44	32
23	20	7'	12	13'	4	19'	13'	27	24	17
31	28	7'	17	13'	5	19'	13'	37	32	23
18	15	8'	9	14'	3	22'	15'	20	18	13
24	21	8'	13	14'	4	22'	15'	28	24	18
14	12	9'	7	16'	2	25'	16'	16	14	10
19	16	9'	10	16'	3	25'	17'	22	19	14

Candlepower Distribution



H8617FM 50W ED-17 MH/C
Eff. 45% S/M .94



H8617FM 70W ED-17 MH/C
Eff. 47% S/M .94

Candelas

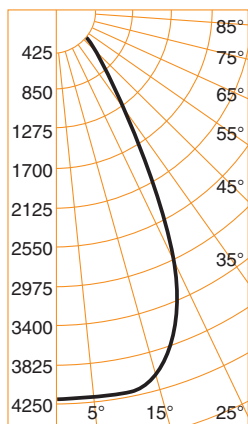
o	50W	70W
	4000*	5700*
0	1825	2738
5	1801	2702
10	1726	2589
15	1637	2456
20	1502	2253
25	1265	1898
30	966	1447
35	625	937
40	363	542
45	188	282
50	92	138
55	39	59
60	16	24
65	9	15
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

o Vertical Angles
* Initial Lamp Lumens

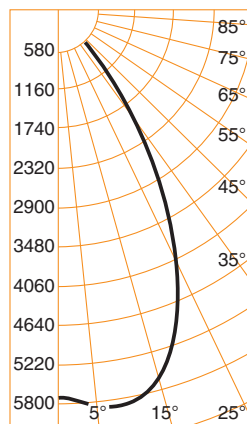
Coefficients of Utilization

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

H8617FM 50W ED-17 MH/C x .95 H8617FM 100W ED-17 MH/C x .98
H8617FM 70W ED-17 MH/C H8617FM 150W ED-17 MH/C x .97



H8617FM 100W ED-17 MH/C
Eff. 46% S/M .94



H8617FM 150W ED-17 MH/C
Eff. 46% S/M .95

o	100W	150W
	8500*	12000*
0	4221	5723
5	4215	5855
10	4222	5865
15	4031	5599
20	3604	5005
25	2914	4047
30	2134	2964
35	1234	1714
40	606	843
45	264	367
50	122	170
55	53	74
60	24	34
65	16	23
70	5	0
75	0	0
80	0	0
85	0	0
90	0	0

o Vertical Angles
* Initial Lamp Lumens

Notes

- All data calculated using clear Softglow® trims.
- 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.
- Datachart spacing is rounded off to the nearest foot.
- Datachart degree headings measure one side from nadir. Diameter data includes both sides. Therefore the 15° column value describes a 30° pattern diameter at the work plane 30" above the floor. Footcandle values are at the diameter edge.