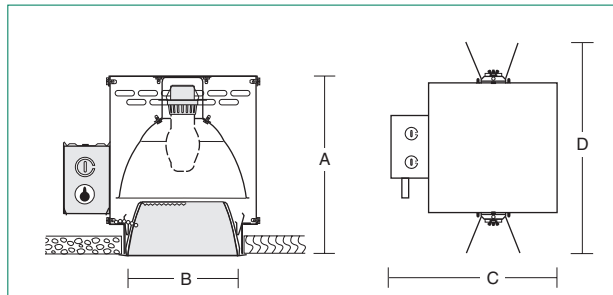


**Dimensions and Lamps**



Number	A Depth	B Aperture	C Width	D Length	Lamps
H8615	10 1/2" 267mm	6" sq. 153mm	11" 280mm	13 3/4" 350mm	60-150W A-19* 60-150W BT-15 Halogen

\*Factory sets focal position for BT-15. Add A-19 for pre-set position. May be converted on the job as required.

**H8615**

**Downlight**  
**Halogen and A Lamps to 150W**  
**6" Square Parabolic Trim**

**Optics and Applications**

Halogen lamps offer advantages such as high CRI, 3000 hour life and a desirable color temperature. Output is constant to end of life. They are interchangeable with A-19 incandescent lamps. The hydroformed primary reflector produces a smooth medium wide pattern for general use. Suitable for damp locations.

**Design Features**

The pyramidal trim has parabolic contours for maximum brightness control. Spill light is redirected into useful zones to increase efficiency. Aperture appearance from all normal viewing angles is soft and luminous. Maximum ceiling thickness 1 1/2". Top or bottom service.

**Finish**

Trims are anodized Softglow® clear with optional colors available. Housing and structural parts are painted optical matte black to suppress stray light leaks. Steel parts are phosphate conditioned for corrosion resistance before painting, then baked for superior adhesion and durability.

**Trim Textures**

Textured trims create a subtle new aperture appearance. 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.

**Accessories**

- R2 26" support rails.
- R5 52" support rails.
- SB Softglow black.
- SG Softglow gold.
- SH Softglow mocha.
- SP Softglow graphite.
- ST Softglow titanium.
- SW Softglow wheat.
- SY Softglow pewter.
- SZ Softglow bronze.
- BR Bright trim finish.
- FR Frosted lens. Example: LLFR for linear lens frosted.
- FLT6 Full lens trim, specify lens type, e.g. H8615-FLT6LL.
- WRL Wattage restriction label, specify wattage.
- WT White trim flange.
- WHT White complete trim.
- BP Ball Peen texture.
- CG Corrugated texture.
- DS Distressed texture.
- WV Woven texture.
- HL Hexcell louver.
- LL Linear spread lens.
- LP Large prism lens.
- MP Microprism lens.
- FC Four cell cross baffle.

**Matching Square Units**

- Compact fluorescent [Pages H22, H23](#)
- Directional [Pages H5, H6, H9](#)
- Low voltage [Pages H5, H6](#)
- Tungsten halogen [Page H11](#)
- Metal halide [Pages H26, H27, H28](#)
- Wall washer [Page H40](#)

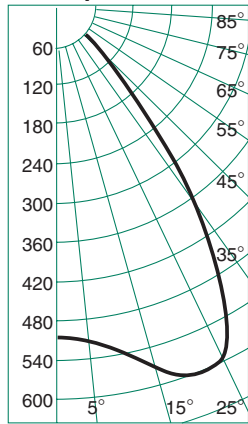
\* Click for link to pages in blue.

# H10 H8615

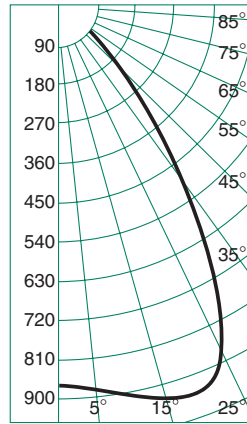
## Performance Datachart

Single Unit, Initial Footcandles, 30" Work Plane						Ceiling to Floor		Multiple Units, Initial Footcandles, 30" Work Plane			
H8615 100W A-19 IF Read Top Data								Ceiling 80% Walls 50% Floor 20%			
H8615 150W BT-15/HAL/SW Read Bottom Data								Spacing is Maximum Over Work Plane			
Nadir	10°		20°		30°						
FC	FC	Diam	FC	Diam	FC	Diam	Spacing	RCR 1	RCR 3	RCR 8	
17	17	2'	17	4'	11	6'	8'	7'	18	15	10
29	29	2'	26	4'	16	6'		7'	32	27	19
12	12	2'	12	5'	8	8'	9'	8'	13	11	7
20	21	2'	19	5'	12	8'		8'	23	19	13
9	9	3'	9	5'	6	9'	10'	10'	9	8	6
15	16	3'	14	5'	9	9'		9'	17	14	10
7	7	3'	7	6'	5	10'	11'	11'	7	6	4
12	12	3'	11	6'	7	10'		10'	13	11	8
6	6	3'	6	7'	4	11'	12'	12'	6	5	3
10	10	3'	9	7'	5	11'		12'	11	9	6

## Candlepower Distribution



H8615 100W A-19  
Eff. 48% S/M 1.30



H8615 150W BT-15 Halogena  
Eff. 50% S/M 1.23

## Candelas

Candelas	100W	150W
	1690*	2650*
0	502	866
5	508	887
10	529	925
15	574	947
20	608	942
25	598	883
30	518	762
35	376	577
40	213	382
45	92	209
50	27	94
55	11	33
60	7	17
65	5	0
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	.53	.52	.50	.52	.50	.50	.48	.48	.47
2	.51	.49	.47	.45	.48	.44	.46	.43	.45	.42
3	.48	.45	.42	.40	.44	.40	.43	.39	.42	.39
4	.46	.42	.39	.37	.41	.36	.40	.36	.39	.35
5	.43	.39	.36	.33	.38	.33	.37	.33	.36	.32
6	.41	.36	.33	.30	.35	.30	.35	.30	.34	.29
7	.38	.33	.30	.28	.33	.28	.32	.28	.32	.27
8	.36	.31	.28	.26	.31	.26	.30	.26	.30	.25
9	.34	.29	.26	.24	.29	.24	.28	.24	.28	.23
10	.32	.27	.24	.22	.27	.22	.27	.22	.26	.21

H8615 100W A-19 IF.

## Brightness

Number	Lamps	85°	75°	65°	55°	45°
H8615	100W A-19 IF	27	83	129	427	6565
	150W BT-15 Halogena	55	151	259	3315	18296

Data in footlamberts. Photometer readings. Maximum Brightness Method. See note 5.

## 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 10° column value describes a 20° pattern diameter at the work plane 30" above the floor. Footcandle values are at the diameter edge.
- Average Luminance Method brightness data are inaccurate for downlights. They are theoretical calculations for large surfaces such as troffer lenses. 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.

## 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	.56	.55	.53	.52	.54	.51	.52	.50	.50	.48
2	.53	.50	.48	.46	.50	.46	.48	.45	.46	.44
3	.50	.46	.44	.42	.46	.41	.44	.41	.43	.40
4	.47	.43	.40	.38	.42	.37	.41	.37	.40	.35
5	.44	.40	.37	.34	.39	.34	.38	.34	.37	.32
6	.42	.37	.34	.31	.36	.31	.36	.31	.35	.30
7	.39	.34	.31	.29	.34	.29	.33	.28	.33	.27
8	.37	.32	.29	.26	.32	.26	.31	.26	.30	.25
9	.35	.30	.27	.24	.30	.24	.29	.24	.29	.23
10	.33	.28	.25	.23	.28	.23	.27	.22	.27	.22

H8615 150W BT-15 Halogena.

