

HIGH INTENSITY DISCHARGE

1400 Series – 14" Sphere
1800 Series – 18" Sphere
2200 Series – 22" Sphere

100 Watts High Pressure Sodium, 50 Watts Metal Halide
 150 Watts High Pressure Sodium, 100 Watts Metal Halide
 150 Watts High Pressure Sodium, 100 Watts Metal Halide



Rustproof, Vandal Resistant Post Top Fixtures

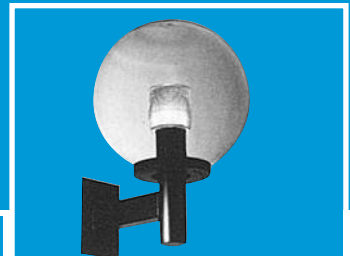
These contemporary post-top luminaires offer versatility in architectural lighting at its best. One-piece seamless spheres are blow molded for excellent lumen transmittance. On posts or wall brackets, these quality luminaires provide a beautiful solution for accent lighting. The simple construction affords easy installation and a long life of maintenance-free service.

Specifications

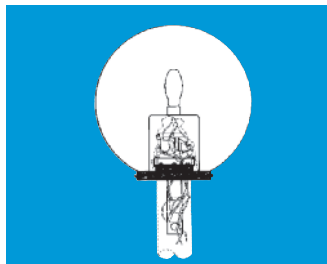
Lens Enclosures:	Standard in UV-stabilized, virtually unbreakable polycarbonate . Colors include clear, opal white and bronze. Model 1400 globe enclosure is attached to twist-lock post fitter. Model series 1800 and 2200 globe enclosures are molded with flange at base attached and secured by three 10-32 set screws to post fitter. Optional Lens Lock employs stainless steel tamperproof set screw to prevent removal of lens.
Post Fitter:	Injection molded UV-stabilized, noncorrosive and nonconductive polycarbonate in black or bronze. Model 1400 is attached to 3" O.D. post and held by 1 screw. Models 1800 and 2200 are secured to a 3" I.D. - 4" O.D. post by three 1/4-20 stainless steel tamperproof set screws.
Socket:	UL Listed medium base 4kV pulse rated 660W 500V with leads suitable for 200° C.
Ballast:	High Power Factor (HPF) 120V for 50 MH, and all HPS – 35-HPS, 50-HPS, 70-HPS, 100-HPS and 150-HPS. HPF 120/208/240/277V for 100 MH.
Lamp: (optional)	HPS medium base 35W (ANSI S76), 50W (S68), 70W (S62), 100W (S54), and 150W (S55). MH medium base 50W (M110) and 100W (M90).
Diffuser: (optional)	Prismatic diffuser softens the lamp image and enhances appearance and the general distribution of light in translucent lenses. PD7 Lexan® polycarbonate diffuser suitable for 50W maximum.
Wall Bracket: (optional)	Aluminum or steel welded construction in black or bronze painted finish. Base measures 6" x 9" and arm measures 2" wide x 3" high x 10" long. Stem comes in a 14" length.



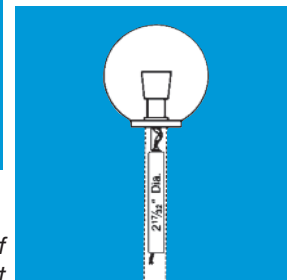
1400-CL Post
(Posts not offered by manufacturer)



1400-CL on wall bracket.



View of ballast in sphere (100W MH)



View of postline ballast



ETL-US and ETL-C Listed For Wet Locations.

All polycarbonate components meet Underwriters Laboratories 746C tests for polymeric material and carry a flammability rating of 94HB or better on lenses and the superior 94-5V rating on housings.

Luminaire Type _____
 Catalog Number _____
 Job Name _____
 Approval _____

WF Harris Lighting, Inc.

Innovative Lighting Designs Since 1970
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 www.wfharrislighting.com

Form 1533 5/17

"A Live Operator Company Standing Ready to Serve Your Lighting Needs"

HIGH INTENSITY DISCHARGE

Ordering Information (Fill In Blanks For Complete Catalog Number)

Model	Lens	Fitter	Watts-Lamp	Power Factor - Volts	Options
Model	Lens Color	Fitter	Watts Lamp	Power Factor / Volts	Options
1400 1800 2200	CL-Clear OW-Opal White ⁶ BZ-Bronze	FK-Black FZ-Bronze	50 MH ^{3,5} 100 MH ^{2,4,5} 35 HPS ^{3,5} 50 HPS ^{3,5} 70 HPS ^{3,5} 100 HPS ^{3,5} 150 HPS ^{3,5}	HPF-120 HPF-120/208/240/277V	PC-Photo Control ¹ LP-Lamp LL-Lens Lock PD7-50W Max. Polycarbonate Diffuser FS-Fuse and Holder SMWBK-14" Steel Medium-Stem Black for 35 HPS Only

¹ Specify 120V or 277V Only

² 1800 and 2200 Series Only

³ Available for HPF-120 Only

⁴ Available for HPF-120/ 208/240/277V Only

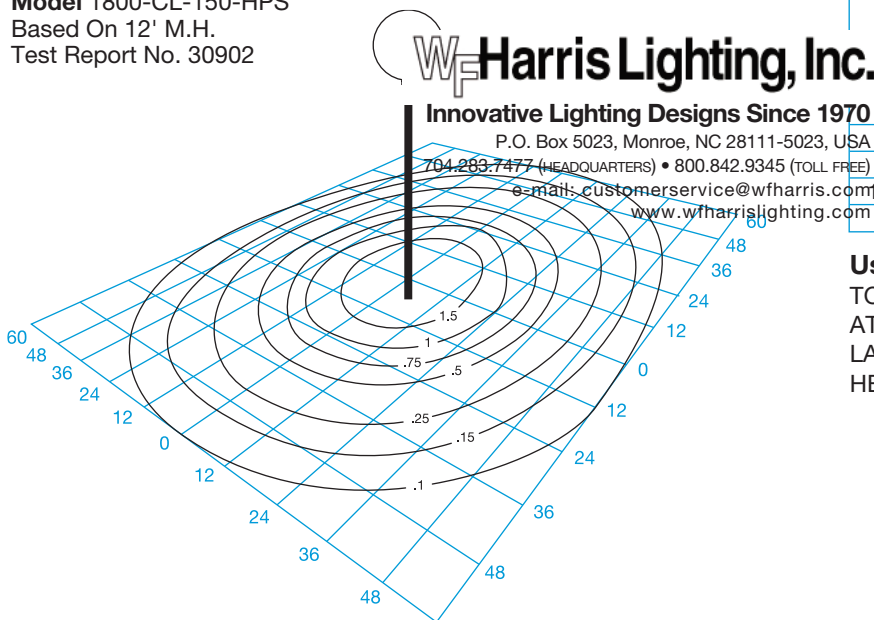
⁵ Opal White Lens Not Available for High Pressure Sodium or Metal Halide Luminaires

Light Distribution Pattern

Model 1800-CL-150-HPS

Based On 12' M.H.

Test Report No. 30902



Conversion Table

Lamp	Lamp Conversion Factor	Mounting Height	Height Conversion Factor
10-HPS	1.00	8'	2.25
10-HPS	.59	10'	1.44
70-HPS	.39	12'	1.00
50-HPS	.25	14'	.74
35-HPS	.14		
100-MH	.53		
50-MH	.21		

Using Conversion Table

TO ADJUST FOOTCANDLES (FC) IN DIAGRAM AT LEFT, USE FOLLOWING FORMULA WITH LAMP CONVERSION FACTOR (LCF) AND HEIGHT CONVERSION FACTOR (HCF):

$FC \times LCF = FC$ with alternate lamp

$FC \times HCF = FC$ at alternate height

$FC \times LCF \times HCF = FC$ with alternate lamp at alternate height

Specifications Subject to Change Without Notice

Luminaire is Warranted to be Free of Defects in Materials and Workmanship for One Year From Invoice Date.



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"W. F. Harris Lighting Will Not Sacrifice Quality for the Sake of Price."