

HIGH INTENSITY DISCHARGE

1050 Series—10½" Soft Cube 100 Watts High Pressure Sodium, 50 Watts Metal Halide

1400 Series—14" Sphere 100 Watts High Pressure Sodium, 50 Watts Metal Halide

1800 Series—18" Sphere 150 Watts High Pressure Sodium, 100 Watts Metal Halide

2200 Series—22" Sphere 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 soft cube and 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**. Also available in UV-stabilized acrylic, providing superior clarity for low-abuse areas. Colors include clear, opal white and smoke bronze. Model series 1050 soft cube enclosure is attached to dish-type post fitter by 2 screws. Model series 1400 globe enclosure is attached to dish-type post fitter by 1 screw. Model series 1800 and 2200 globe enclosures are molded with flange at base for easy twist-lock attachment 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. Provided with three stainless steel tamperproof set screws for attachment to any 3" O.D. post. Models 1800 and 2200 will fit both 3" and 4" O.D. posts.

Socket: UL Listed medium base 4kV pulse rated 660W 500V with leads suitable for 200° C.

Ballast: HID postline ballast available in Normal Power Factor (NPF) or High Power Factor (HPF) 120V. 70W HPS and 100W HPS also available in dedicated 208V, 240V, 277V. 2⁷/₃₂" diameter ballast is mounted to a zinc-plated steel bracket attached to socket and post fitter assembly. 100W MH core and coil ballast available for mounting in Models 1800 and 2200 sphere enclosure only.

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. PD15 Glass diffuser suitable for 150W maximum.

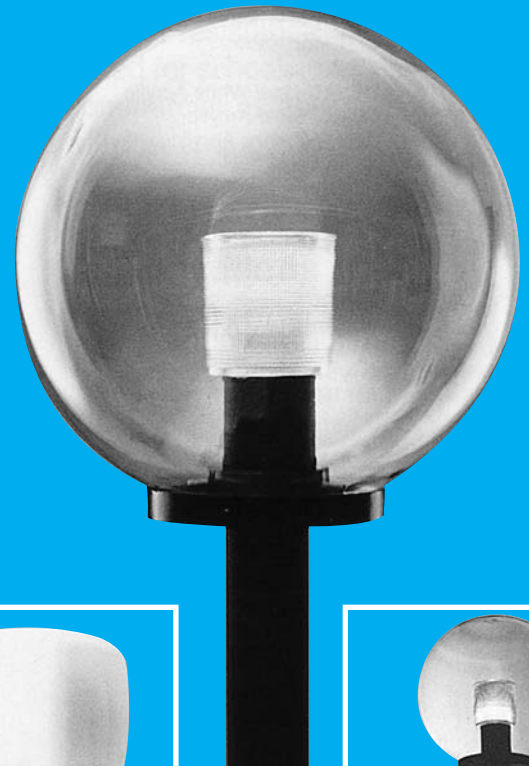
Wall Bracket: (optional) Aluminum or steel welded construction in black or bronze painted finish. Base measures 6" x 9" and arm measures 2" wide x 3" high x 10" long. Stem comes in 14" or 19" lengths depending on specific ballast dimensions.

Post: Available separately. Luminaires suitable for use with non-insulated metal posts only, minimum I.D. 2⁵/₈". See post fitter for maximum O.D. Maximum recommended mounting height is 14'.

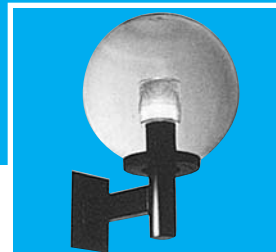
UL Listed For Wet Locations.

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.

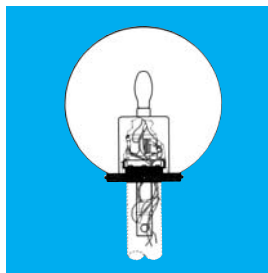
1400-CL with
PD15 Diffuser
on Post



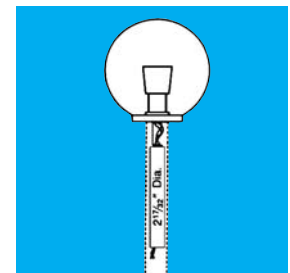
1050-OW on post



1400-CL with PD15
diffuser on wall
bracket.



View of ballast in sphere
(100W MH)



View of postline ballast

Luminaire Type _____
Catalog Number _____
Job Name _____
Approval _____

WF Harris Lighting

Innovative Lighting Solutions Since 1970

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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 |
| 1050 | OW-Opal White | FK-Black | 50-MH ¹ | NPF | 120 | PC-Photo Control |
| 1400 | CL-Clear | FZ-Bronze | 100-MH ^{1,2,5} | HPF | 120/277 ⁵ | LP-Lamp |
| 1800 | BZ-Bronze | | 35-HPS | | | LL-Lens Lock |
| 2200 | OW/AC-Opal White Acrylic | | 50-HPS | | | PD7-50W Max. Polycarbonate Diffuser |
| | CL/AC-Clear Arcylic | | 70-HPS | | | PD15-150W Max. Glass Diffuser |
| | BZ/AC-Bronze Acrylic | | 100-HPS ³ | | | FS-Fuse and Holder |
| | | | 150-HPS ² | | | ALWBK-Aluminum Black Wall Bracket ⁴ |
| | | | | | | ALWBZ-Aluminum Bronze Wall Bracket ⁴ |
| | | | | | | SLWBK-Steel Black Wall Bracket ⁴ |
| | | | | | | SLWBZ-Steel Bronze Wall Bracket ⁴ |

¹ Not Available in Acrylic

² 1800 and 2200 Series Only

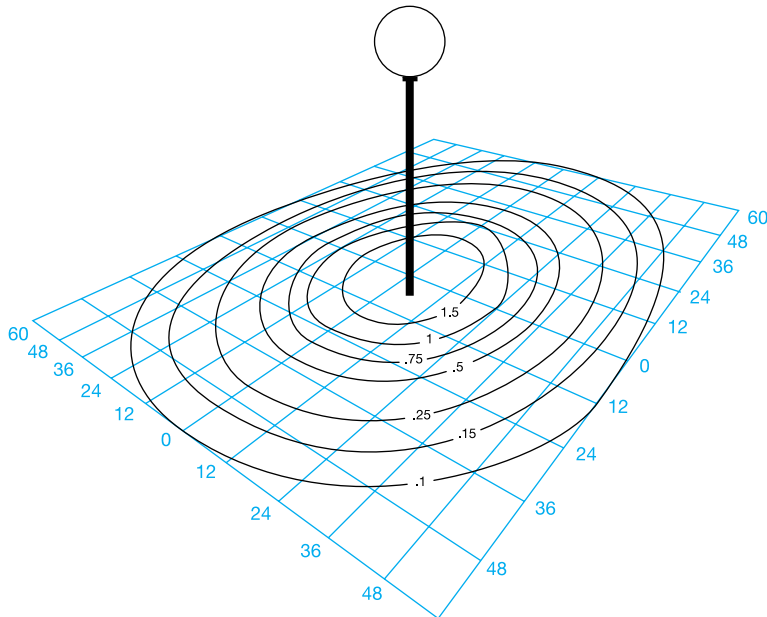
³ Also Available in Dedicated 208V, 240V, 277V Ballasts

⁴ N/A with 100W or 150W HPS HPF

⁵ Ballast in Sphere HPF Only

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 |
|---------|------------------------|-----------------|--------------------------|
| 150-HPS | 1.00 | 8' | 2.25 |
| 100-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):

$$FC \times LCF = FC \text{ with alternate lamp}$$

$$FC \times HCF = FC \text{ at alternate height}$$

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

Specifications Subject to Change Without Notice

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

MADE IN USA 

WF Harris Lighting

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