

G12 DF / G20 DF GLOBE DOWN LIGHT SERIES

SPECIFICATIONS

GENERAL

The DF Globe Down Light series is a decoratively styled fixture, which consists of a decorative, cast aluminum fitter, cast ballast housing assembly and a white polycarbonate or acrylic globe.

FITTER

The fitter shall be heavy wall cast aluminum, 356 alloy for high tensile strength. It shall have an 8¹/₄" inside diameter opening to attach to the 8" neck of the globe. When ordered with a Sternberg aluminum pole, the fitter shall be welded to the pole top or tenon for safety and to ensure the fixture will be plumb, secure and level over the life of the installation. The fitter shall have a one-piece ring bug gasket to resist insect penetration into lamp assembly.

BALLAST HOUSING

The ballast housing shall be heavy wall cast aluminum, 356 alloy for high tensile strength. The housing shall be cast as an integral part of the fitter to prevent water entry into the ballast compartment and to ensure high capacity heat sinking of ballast temperatures, keeping the ballast cooler and ensuring long life. The ballast mounting plate shall be cast aluminum and provide tool-less removal from the housing using 2 ea finger latches.

ELECTRICAL

Fixture shall be U.L. or E.T.L. listed in U.S. and Canada. H.I.D. ballasts shall be high power factor with lamp starting down to -30 degrees C. Medium base and mogul base porcelain sockets shall be are 4KV rated. The ballast/socket assembly shall be pre-wired when ballast is located in the fitter. All compact fluorescent (PL) ballasts shall be instant start electronic with a starting temperature of down to 0 degrees F. They shall have a 4-pin socket to accept quad or triple tube lamps. Ballasts shall be DOE EISA compliant.

GLOBE

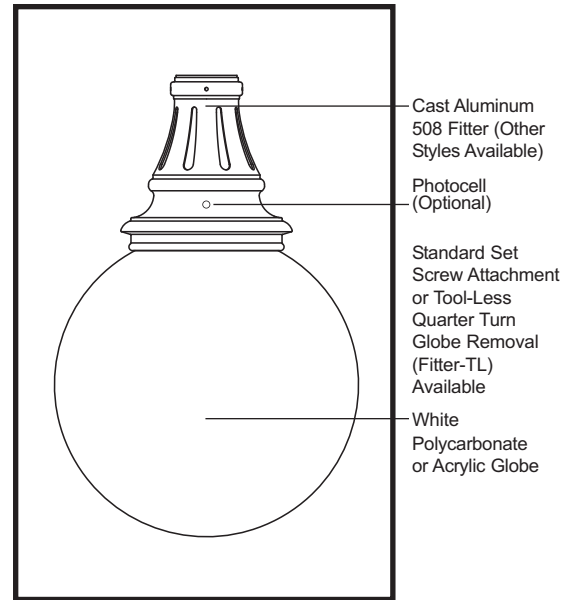
The globe shall be 12"+-20" in diameter with an 8" aluminum neck. It will be made of vandal resistant white polycarbonate or dent resistant (DR) white acrylic.

OPTICAL

House Side Shield (HSS) is an option that will block 120° of light in any one direction (clear globes only).

QUARTZ RE-STRIKE

The DF Globe Down Light fixture can be supplied with an optional quartz re-strike system to retain constant fixture light if the H.I.D. lamp fails. The fixture will be equipped with a 100 watt quartz lamp and a controller to run on a 120 volt circuit and must be used in conjunction with a 120 volt or multi-tap ballast.



**G16 EPA = 0.86 (ft²)
WEIGHT = 8 LBS**

**LIST NO.
G12DF/G20DF
GLOBE DOWN
LIGHT SERIES**

G12 DF / G20 DF GLOBE DOWN LIGHT GLOBES/FITTERS/ARMS PM-WB

GLOBES / OPTIONAL TOPS / OPTICAL SYSTEMS HANGING BRACKETS

GLOBES / OPTIONAL TOPS / OPTICAL SYSTEMS

HANGING BRACKETS

28"

G20WA - Acrylic
G20WP - Polycarbonate

G18WA / G18WP

G16WA / G16WP

120°

HSS
House Side Shield

SH44
Stem Hung

CH44
Chain Hung

SPECIFY OVERALL DROP IN INCHES

WA - White Acrylic
WP - White Polycarbonate

G14WA / G14WP

G12WA / G12WP

FITTERS WALL BRACKETS (WB)

FITTERS

WALL BRACKETS (WB)

10 1/8" W

10 1/8" W

10 1/8" W

10 1/8" W

10 1/8" W

9 3/4" W

10 1/8" W

9 3/4" W

10 1/8"

10 1/8"

10 1/8"

10 1/8"

11 3/4"

11 3/4"

13 3/4"

14 1/4"

14 3/8"

14 3/8"

30 1/2"

33 3/4"

17"

22 3/4"

5P or 5T*
(508)
Fits 3" poles or tenons and arms below

BD4
(508BD4)
Fits 4" poles or tenons

BD5
(508BD5)
Fits 5" poles or tenons

B7
(508B7)
Fits 7" poles or tenons

BD7
(508BD7)
Fits 7" poles or tenons

7 or 7T*
(708)
Fits 4" poles or tenons - 3" with adapter & large arms

588
(ART DECO 1)
Fits 3" poles or tenons and arms below

9 or 9T*
(980)
Fits 3" poles or tenons and large arms

RPM

91W

508L
Lighted same size as above

4 (408) Fits 4" poles or tenons

10 1/8" W

5 1/2"

*Twist Lock Acorn (Fitter TL)

ARMS - POST MOUNT (PM) or WALL BRACKETS (WB) See Arms Section for more information

ARMS - POST MOUNT (PM) or WALL BRACKETS (WB)

See Arms Section for more information

11 3/4"

11 7/8"

80D

11 1/4"

19 7/8"

39DWB Only

16 1/8"

21 3/8"

478DS

16 1/2"

17"

TASC RD

17 3/4"

16 1/2"

10 1/2"

480D

10 1/2"

55D

15 1/4"

15 1/4"

478D

11 1/4"

TAD

18 3/4"

15 5/8"

16 1/2"

16 1/2"

10 1/2"

6236D

15"

12 1/4"

19 1/4"

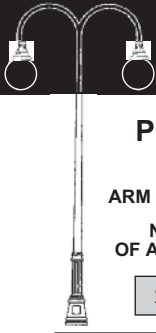
579D

3 3/4"

450PB

11-13

BUILDING A PART NUMBER



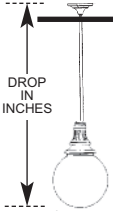
POST & ARM FIXTURES

ARM MOUNTED FIXTURE	CENTER POST TOP FIXTURE (PT)	POST	POST CAP	LIGHT SOURCE BALLAST	OPTICS	OPTIONS	FINISH
NO. OF ARMS	FIXTURE	(See Post Section)		WATTS / TYPE / VOLTS			
2	G18WA/5P/RPM	PT		100 HPS120		HPS100/MED	BK



WALL FIXTURES

GLOBE / FITTER / WALLBRACKET	LIGHT SOURCE BALLAST	OPTICS	OPTIONS	FINISH
WATTS / TYPE / VOLTS				
G16WA/5P/80DWB	100 HPS120		PEC1	BK



HANGING FIXTURES

GLOBE / FITTER / HANGING BRACKET	OVERALL DROP IN INCHES	LIGHT SOURCE BALLAST	OPTIONS	FINISH
WATTS / TYPE / VOLTS				
G16WA/5P/SH44	48 INCHES	70HPS120		BK

PART NUMBER SELECTIONS

GLOBES

- G20WA⁴
- G20WP⁴
- G18WA⁵
- G18WP⁵
- G16WA⁵
- G16WP⁵
- G14WA⁶
- G14WP⁶
- G12WA⁷
- G12WP⁷

FITTERS

- 5P
- 5T
- 7
- 7T
- 9
- 9T
- BD4
- BD5
- BD7
- 588
- 408
- 508L
- M Post Top Only

POST ARMS

- 50PM
- 50DPM
- 478PM
- 478TSPM
- 80PM
- 80DPM
- 480PM
- 480DPM
- 55PM
- 55LPM
- 779PM
- 6236PM
- 579PT
- TAPT
- TASCRPT
- 91WPM
- R2PM
- M48PT**

**No Fitter Required

VOLTAGES

- 120
- 208
- 240
- 277
- 480
- MULTI (120-277)

WALL BRACKET ARMS

- 39DWB*
- 62DWB
- 478DWB
- 478DSWB
- 80DWB
- 480DWB
- 55DWB
- 55DLWB
- 6236DWB
- 579DWB
- TADWB
- TADSCRWB
- 91WWB
- R2WB
- TADSCRWB
- 91WWB

HANGING BRACKETS

- HCH44
- HSH44

OPTICS

- RSC
- HSS

BALLASTS

- 35HPS¹
- 50HPS
- 70HPS
- 100HPS
- 150HPS
- 200HPS
- 250HPS
- 50MHP
- 70MHP
- 100MHP
- 150MHP
- 200MHP
- 250MHP
- 26PLT
- 32PLT
- 42PLT
- 57PLT
- 70PLT
- INCAND
- QL55*
- QL85*
- QL165*

LAMPS¹¹

- HPS35/MED
- HPS50/MED
- HPS70/MED
- HPS100/MED
- HPS150/MED
- HPS200/MED
- HPS250/MOG/ED18
- MHP50/MED
- MHP70/MED
- MHP100/MED
- MHP150/MED
- MHP200/MED
- MHP250/MOG/ED28
- PLT26
- PLT32
- PLT42
- PLT57
- PLT70

* Consult factory for specification details

STANDARD FINISHES*

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

*Smooth Finishes are available upon request

CUSTOM FINISHES

- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

STERNBERG SELECT FINISHES

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

OPTIONS

- PEC1 Photocell-Bimetal 120 Volt
- PEC2 Photocell-Bimetal 208-277 Volt
- PEC1-E Photocell-Electronic 120 Volt
- PEC2-E Photocell-Electronic 208-277 Volt
- R¹⁰ Receptacle only for Rotolock Photo Cell
- R1¹⁰ Rotolock Photo Cell 120-277 Volt
- G¹⁰ GFI 15 Amp for 980
- FHS Single Fuse and Holder-120, 277 Volt
- FHD Dual Fuse and Holder-208, 240, 480 Volt
- QR Quartz Re-Strike
- PF Pineapple Finial or Font (TA, TASCRT)
- BF Ball Finial or Font (TA, TASCRT)
- SR⁸ Solid Roof
- LAMPS Select from List

NOTES:

- 35HPS is 120 volt only.
- Clear Polycarbonate and Acrylic globes are available. Specify CP or CA after globe.
- Medium base sockets standard with ballasts up to 200 watts. Mogul base socket are standard with ballasts 250 watts and over.
- 250 Watt Maximum
- 100 Watt Maximum
- 70 Watt Maximum
- 50 Watt Maximum
- G18 - G16 globes only.
- Lit with 15 Watt PL
- For 9 or 9T fitter only.
- Metal halide systems are pulse start.

G12 DF / G20 DF GLOBE DOWN LIGHT SERIES**SPECIFICATIONS****LIST NO.
G12DF / G20DF
GLOBE DOWN
LIGHT SERIES****PHOTOCELLS**

Photocells shall be either the thermo bi-metal button type or the electronic button type. On single post top fixtures the photocell shall be mounted in the fitter and pre-wired to ballast. On multiple head fixture assemblies photocells shall be mounted in the pole shaft on an access plate and are not pre-wired as ballast housing assemblies and fitters are packaged separately for ease of wiring to source. The thermo bi-metal photocell shall be designed to turn on at 1.0 footcandle and turn off at not more than 5 footcandles. The electronic button type photocell is instant on and a 5-10 second turn off and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocells are either 120 volt or 208 thru 277 volt.

ARMS

All arms are made of cast aluminum and/or extruded aluminum. Arms with decorative filigree have meticulously detailed scroll work and gracefully curved brackets. All DF Globe fixtures will have its fitter either welded to the arm or will be mechanically attached at the factory to ensure arms will be plumb, secure and level over the life of the installation. Each arm shall be bolted to a post mount adapter, which is welded to the pole to ensure proper alignment to the base. Twin TA, TASCRA and 579 arms will be attached to a decorative center hub which will slip-fit the center tenon of the pole (not shown). BA and 779 arms are available as a twin application. Arms are pre-wired for ease of installation.

FINISH

Prior to coating, each assembly shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water rinsing, and non-chrome sealing to ensure corrosion resistance and excellent adhesion for the finish coating. The finish coating shall be electrostatically applied semi-gloss, super durable polyester powder baked at 400 degrees for a durable and superior, color retentive finish. Our optional antique Verde Green finish and Swedish Iron finish are hand brushed using a 3-step process. The total assembly shall be wrapped in shockproof wrapping or fully enclosed in corrugated cartons.

WARRANTY

Five-year limited warranty. See product and finish warranty guide for details.

