

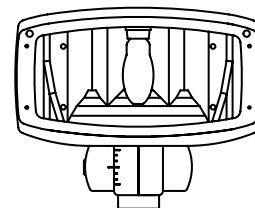
Job:
Type:
Notes:

Designer Floodlight

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DF7 - 7"

The Philips Gardco Designer Floodlight DF7 is a flood luminaire with a choice of (5) precision faceted optical systems. Each is designed to provide a specific distribution and sharp cutoff of stray light. The contemporary soft form diecast housing is available in a variety of finishes creating compatibility with most architectural and landscape elements. The high strength diecast aluminum knuckle features an integral splice compartment eliminating the need for a supplementary junction box and thereby permitting closer to grade mounting.



PREFIX	MOUNTING	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS

Enter the order code into the appropriate box above. Note: Philips Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

PREFIX

DF7

MOUNTING

C	Stub-up Conduit Mount. For direct mounting to (2) 1/2" (1.27cm) or 3/4" (1.91cm) GRC or IMC conduits. No j-box required. Must use factory supplied mounting insert when setting stub-ups.
J	J-Box Mount. For mounting into 1/2" (1.27cm) hub. Also suitable for direct surface mount to walls or ceilings when fed by EMT, BX, SJO, NM, etc. (For surface mount over outlet box, specify W or W90 mount).
W	Wall/Ceiling Canopy Mount. For mounting over (not to) a 4" (10.16cm) recessed outlet box. When mounted on vertical surface, provides vertical aiming from straight down to 100° up from nadir. When mounted on a vertical surface, long axis of luminaire must be horizontal (+/-30°). Mounts directly to wall or ceiling. The surface structure must be suitable to support the luminaire. Only suitable for use on non-combustible surfaces.
WMB	Wall Mount Bullhorn. For mounting over (not to) a 4" (10.16cm) recessed outlet box. Provides full axial 180° vertical and 358° rotational aiming. Mounts direct to wall. Surface structure must be suitable to support the assembly. Outer end of WMB must be in the "straight up" position, as shown in diagram on opposite page. Luminaire mounts with the knuckle below the body of the luminaire only.
W90	Wall Arm Mount. For mounting over (not to) a 4" (10.16cm) recessed outlet box. Provides full axial 180° vertical and 358° rotational aiming range. Mounts direct to wall. Surface structure must be suitable to support the luminaire. When mounted in wet locations, luminaire must be mounted as shown in diagrams on page 2. In damp or dry locations, arm assembly may be inverted.
ST	Stanchion Mount. 18" (45.72cm) stanchion for in-ground concrete burial mounting.
SM	Surface Mount Stanchion. For mounting to 18" (45.72cm) stanchion pole assembly.

DISTRIBUTION

HFL	Horizontal Flood
VFL	Vertical Flood
HSP	Horizontal Spot
NSP	Narrow Spot

WATTAGE

Pulse Start MH Magnetic Ballast	70MH 100MH³	200MH¹ (E) 175PSMH^{1,2} (E)
High Pressure Sodium Magnetic Ballast	70HPS	100HPS 150HPS
(E) Wattages marked with Circle "E" meet federal energy efficiency standards applicable to 150 watt through 500 watt metal halide luminaires only.		

VOLTAGE

120
208
240
277
347
UNIV³

Notes:

- Utilizes mogul based lamps (T15, E18 or E28). Available with VFL, HSP, and NSP distributions only.
- Not available with PCB, POLY, F or ESB options.
- Not available in 347V.
- Not available in 480V.

FINISH

BRP	Bronze Paint
BLP	Black Paint
WP	White Paint
NP	Natural Aluminum Paint
BGP	Beige Paint
VP	Verde Green Paint
OC	Optional Color Paint Specify RAL designation ex: OC-RAL7024.
SC	Special Color Paint Specify. Must supply color chip

OPTIONS

PCB ⁵	Button Type Photocontrol
BD ⁶	Barn Doors
CH ⁶	Cutoff Hood
POLY ^{7,11}	Polycarbonate Shield
F ⁸	Fusing
ESB ⁹	Extended Splice Box
WG ¹⁰	Wire Guard

Notes:

5. Not Available with 175PSMH or 200MH.
6. Barn Doors (BD) and Cutoff Hoods (CH) are painted to match the luminaire. Either can be used concurrently with the POLY option.
7. Not Available with WG option.
8. 120V through 277V only.
9. Supplied standard with 175PSMH and 200MH luminaires. Not available for use as additional splicing volume with 175PSMH or 200MH luminaires.
10. Not Available with BD, CH and POLY options. Field Installable.
11. Polycarbonate lenses carry a 1 year warranty only.

ADDITIONAL MOUNTING ACCESSORIES

PTA	Pole top 2 3/8" (6.03cm) tenon adapter
TAB	Twin arm bracket for use with ST or PTA
PT2	Pole top 2 3/8" (6.03cm) tenon adapter for twin back to back luminaire mounting.

SPECIFICATIONS

HOUSING: A single-piece aluminum housing is die cast in a soft barrel form. A one piece extruded gasket mates with door frame.

DOOR/LENS ASSEMBLY: A heat and impact resistant 3/16" (.48cm) tempered glass lens and one piece silicone gasket are mechanically secured to door frame.

KNUCKLE: The die cast aluminum knuckle features an integral splice compartment. A single captive 3/16" (.48cm) stainless steel allen-head bolt and stainless steel nut securely lock the knuckle aiming teeth in 5° increments. An opposite cover plate is removable for access to splices. The knuckle assembly is fully gasketed.

OPTICAL SYSTEM: The wide flood, vertical flood and horizontal spot optical systems are homogenous sheet and extruded aluminum, electrochemically brightened, anodized and sealed. The narrow spot reflector is hydroformed faceted Alzak[®] aluminum.

ELECTRICAL: HID UNITS: Each high power factor ballast is the separate component magnetic type capable of providing reliable lamp starting to -20°F/-29°C.

LAMPHOLDER: The pulse rated socket is glazed porcelain with nickel plated screw shell. All sockets are medium base except 175PSMH and 200MH units.

FINISH: Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured textured, polyester powdercoat finish.

LABELS: All luminaires bear UL or CUL (where applicable) Wet Location labels.

WARRANTY: Philips Gardco luminaires feature a 5 year limited warranty. See Warranty Information on www.sitelighting.com for complete details and exclusions. Polycarbonate lenses carry a 1 year warranty only.

DF7 Splice Compartment Capacity	Standard Units	Extended Splice Box	175PSMH and 200MH Units
#12 AWG Conductors ¹²	5	9	5
#10 AWG Conductors ¹²	3	7	3

12. Including ground.

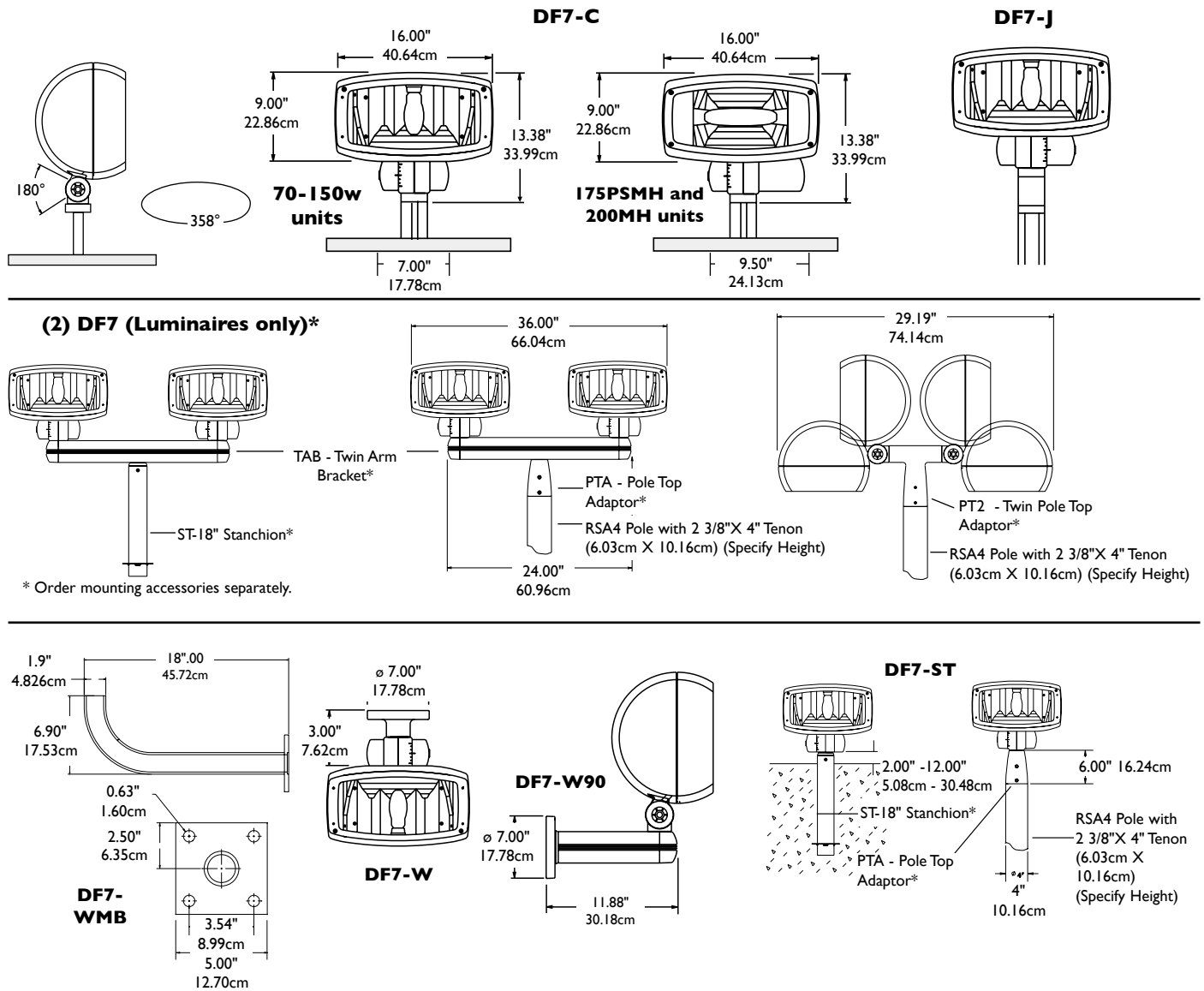
DF7 Pole Loading Data	EPA
Single Luminaire on PTA Adapter	1.3 ft ² /1.2m ²
Twin Luminaires on PTA Adapter	1.9 ft ² /1.8m ²
Twin Luminaires on TAB Adapter	2.8ft ² /2.6m ²

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DIMENSIONS AND MOUNTING



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