

DFS2 Series

DecoFlood Small Round - 39-100W HID

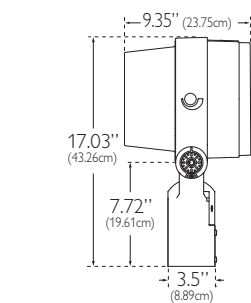
Type:	Job:	Approvals:	
Catalog Number:	E		
Series/Source-Wattage	Distribution	Ballast	Voltage
Style (Mounting)	Options	Lens Option(s)	Finish
Accessories (Field Installed)	Date: Page 1 of 8		

Overall Dimensions *For Reference Only* See Style and Mounting Details.

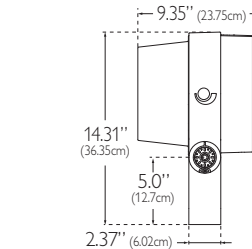
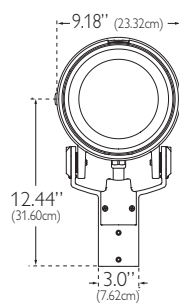
DFS2 Small Round

Weight:
17.0 lbs (7.71 kgs)

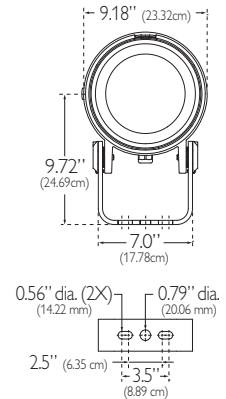
EPA (sq ft):
0.7



DFS2-SV



DFS2-YK



Specifications

Optical System / Available Distributions

NBF	Narrow Beam	(Fixed)
WBF	Wide Beam	(Fixed)
MBA	Medium Beam	(Adjustable)
WBA	Wide Beam	(Adjustable)

See optical data for details.

Housing / Construction

Die-cast aluminum housing and silicone gasket. Double wall housing design. Outer housing works as a barrier and watershed to protect the optical assembly from intrusion of contaminants. Inner housing and dedicated internal IP compartment are sealed for optimum photometric performance. Optic chamber features an integrated breather to prevent the formation of condensation. Optic chamber constructed to IP65.

Lamp / Socket

DFS2 'PT': T6 CMH pulse start lamps, G12 base.
DFS2 'E': T6 MasterColor Elite lamps, G12 base.
CCT: 3000 K. See distribution guide for details.

Ballast / Voltage

High efficiency electronic ballast. THD of < 10% to < 20%. Suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). See distribution guide for details.

Style / Mounting

SV	Swivel
YK	Yoke (standard cord length is 3 ft.)

Options (pre-installed)

Fusing:
Single Fuse 'F1' (120/277/347V),
Double Fuse 'F2' (208/240V), or
Double Fuse 'F3' (208/240V) (Canadian double pull) option available.

Lens Options

Lens options includes a pre-attached lens holder that can hold up to two lenses.

Spread Lenses:

BSO	Beam Softener
HLBSP	Beam Spreader Horizontal
VLBSP	Beam Spreader Vertical

Color Lenses:

SGFBL	Solgel Blue Filter
SGFLB	Solgel Light Blue Filter
SGFYE	Solgel Yellow Filter
SGFGN	Solgel Green Filter
SGFMG	Solgel Magenta Filter

Color Temp Lenses:

WAF1	Warm n°1 Solgel Filter
WAF2	Warm n°2 Solgel Filter
WAF3	Warm n°3 Solgel Filter
COF2	Cool n°2 Solgel Filter
COF3	Cool n°3 Solgel Filter
COF4	Cool n°4 Solgel Filter

Finish

Standard finishes:

TWO	Two-Tone (dark gray, silver)
TBK	Textured Black
TDB	Textured Dark Bronze
TSA	Textured Satin Aluminum
TWHT	Textured White
TGN	Textured Green
TGR	Textured Gray
TPG	Textured Philips Gray

Custom RAL colors may be specified.

Accessories (ordered separately)

External Shielding:

Barn doors 'BD-DFS2', glare shield 'GS-DFS2', cannon 'CN-DFS2', half round louver 'HRL-DFS2', full round louver 'RL-DFS2'. (Shielding is black unless otherwise specified).

Mounting Accessories:

See Accessory Details.

Aiming

DFS2-SV can be aimed 70.0° up or 57.5° down when mounted to a horizontal surface.
DFS2-YK can be aimed 90.0° up or 90.0° down when mounted to a horizontal surface.
See Aiming Diagrams.

Listings

ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations. The quality systems of this facility have been registered by UL to the ISO 9001 Series Standards.

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.

 Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled 'Contain Mercury' and/or with the symbol 'Hg'. Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycle and disposal can be found at www.lamprecycle.org.

PHILIPS

GARDCO

DFS2 Series

DecoFlood Small Round - 39-100W HID

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DFS2-SV



DFS2-YK



Series	Distribution	Ballast	Voltage	Style	Options
T6 Ceramic Metal Halide	Fixed Beam	☒ E Electronic	☐ 120	☐ SV Swivel	☐ F1 Single Fuse (120/277/347V)
☐ DFS2PT-39	☐ NBF Narrow Beam		☐ 208	☐ YK Yoke Standard cord length is 3 ft.	☐ F2 Double Fuse (208/240V)
☐ DFS2PT-70	☐ WBF Wide Beam		☐ 240		☐ F3 Double Fuse (208/240V) (Canadian double pull)
MasterColor Elite	Adjustable Beam		☐ 277		☐ BD Barn Doors Available February 1, 2012
☐ DFS2E-39	☐ MBA Medium Beam		☐ 347		
☐ DFS2E-70	☐ WBA Wide Beam				
☐ DFS2E-100	See optical data tables for specific beam and candela information.				

Notes: 1. Lens options include lens holder that can hold up to two lenses. Lens holder comes pre-attached to the fixture. Photometry for the 'BSO' lens should be used for reference only. Lens performance can vary slightly due to manufacturing tolerances.

Lens Options (includes lens holder; holds up to two lenses)	Finish
Spread Lenses¹ ☐ BSO Beam Softener ☐ HLBSP Beam Spreader Horizontal ☐ VLBSP Beam Spreader Vertical Color Lenses¹ ☐ SGFBL Solgel Blue Filter ☐ SGFLB Solgel Light Blue Filter ☐ SGFYE Solgel Yellow Filter ☐ SGFGN Solgel Green Filter ☐ SGFMG Solgel Magenta Filter	☐ WAF1 Warm n°1 Solgel Filter ☐ WAF2 Warm n°2 Solgel Filter ☐ WAF3 Warm n°3 Solgel Filter ☐ COF2 Cool n°2 Solgel Filter ☐ COF3 Cool n°3 Solgel Filter ☐ COF4 Cool n°4 Solgel Filter ☐ TWO Two-Tone (dark gray, silver) ☐ TBK Textured Black ☐ TDB Textured Dark Bronze ☐ TSA Textured Satin Aluminum ☐ TWHT Textured White ☐ TGN Textured Green ☐ TGR Textured Gray ☐ TPG Textured Philips Gray ☐ RAL(*) Specify Custom RAL color number

Accessories (must be ordered separately)

- External Shielding Accessories** (black unless otherwise specified)
- ☐ **BD-DFS2** Barn Doors
 - ☐ **GS-DFS2** Glare Shield (visor)
 - ☐ **CN-DFS2** Cannon (full snoot)
 - ☐ **HRL-DFS2** Half Round Louver
 - ☐ **RL-DFS2** Full Round Louver
- Swivel Mount Accessories**
- ☐ **WMB-16.5-(F)** Wall Mounting Bracket
 - ☐ **SMT-2-(F)** Surface Mounted Tenon
 - ☐ **JB-VMT-(F)** Junction Box with SMT-2
 - ☐ **SM-18-(F)** 18" Stanchion Mount
 - ☐ **PTA-2180-16.5-(F)** Pole Top Adaptor 2@180
 - ☐ **PTA-2090-16.5-(F)** Pole Top Adaptor 2@90
 - ☐ **PTA-3090-16.5-(F)** Pole Top Adaptor 3@90
 - ☐ **PTA-4090-16.5-(F)** Pole Top Adaptor 4@90
- Yoke Mount Accessories**
- ☐ **MF4-(F)** Slip Fitter (fits 2-3/8" O.D. tenon)
 - ☐ **BP-(F)** Surface Mount Base Plate
 - ☐ **JB-BP-(F)** Junction Box with BP
(F = specify finish)

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Distribution Guide and Ballast Data ¹

T6 CMH Pulse Start Series/Source-Wattage	Lamp ² / Base Axial orientation	Ballast Type	ANSI Code	Initial Lamp Lumens	Rated Life (hrs)	Line Current 120 / 208 / 240 / 277 / 347	Line Watts 120-277 / 347
DFS2PT-39	T6 / G12	Electronic	C130/E	3,300	12,000	0.38 / 0.25 / 0.21 / 0.18 / 0.18	46 / 56
DFS2PT-70	T6 / G12	Electronic	C139/E	6,600	12,000	0.70 / 0.46 / 0.38 / 0.31 / 0.31	80 / 90
MasterColor Elite Series/Source-Wattage	Lamp ² / Base Axial orientation	Ballast Type	ANSI Code	Initial Lamp Lumens	Rated Life (hrs)	Line Current 120 / 208 / 240 / 277 / 347	Line Watts 120-277 / 347
DFS2E-39	T6 / G12	Electronic	C130/E	3,500	12,000	0.38 / 0.25 / 0.21 / 0.18 / 0.18	46 / 56
DFS2E-70	T6 / G12	Electronic	C139/E	7,300	12,000	0.70 / 0.46 / 0.38 / 0.31 / 0.31	80 / 90
DFS2E-100	T6 / G12	Electronic	C191/E	11,000	15,000	0.94 / 0.64 / 0.53 / 0.42 / 0.42	113 / 123

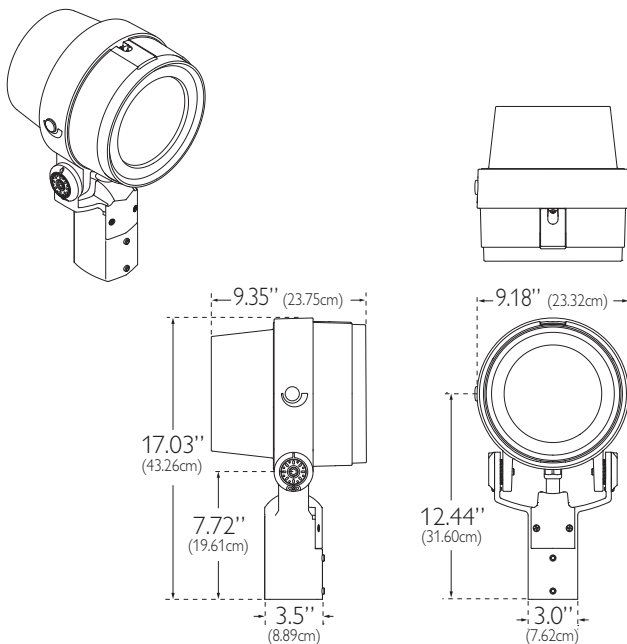
Notes

- 1) Photometry available online. IES file names reflect catalog logic.
- 2) MasterColor ceramic metal halide lamps: CCT of 3000 K and CRI of 81.
39W: CDM135/T6/830; 70W: CDM70/T6/830.

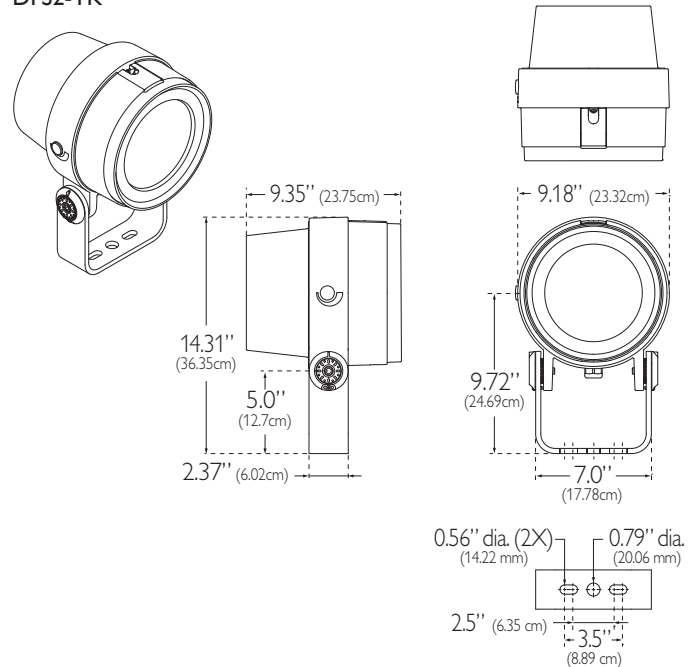
- 3) MasterColor Elite lamps: CDM Elite (wattage)/T6/930 with CCT of 3000 K and CRI of 90.

Style and Mounting Details

DFS2-SV

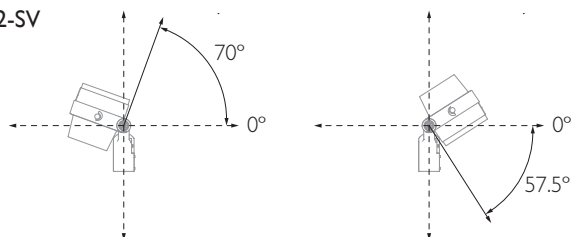


DFS2-YK

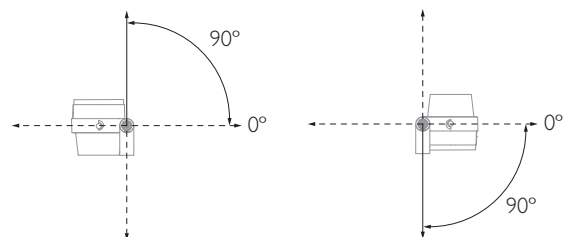


Aiming Diagrams (when mounted to a horizontal surface)

DFS2-SV



DFS2-YK



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Optical Data

Cat No.	Optic	Initial Lamp Lumens	Max CD	50% Main Beam (hor.)	50% Main Beam (vert.)	10% Field Beam (hor.)	10% Field Beam (vert.)	NEMA Beam (hor.)	NEMA Beam (vert.)	Lamp Type	Base	Lamp Axis	IES File #
T6 Ceramic Metal Halide (CMH Pulse Start)													
DFS2PT-39	NBF	3,300	44,654	8.9°	8.9°	19.5°	19.4°	2H	2V	T6	G12	Axial	DFS2PT-39-NBF.IES
	WBF	3,300	15,582	16.8°	16.7°	32.3°	32.4°	3H	3V	T6	G12	Axial	DFS2PT-39-WBF.IES
	MBA (low)	3,300	39,166	8.3°	8.3°	19.0°	19.1°	2H	2V	T6	G12	Axial	DFS2PT-39-MBA-LOW.IES
	MBA (mid)	3,300	16,216	15.1°	15.2°	29.2°	29.3°	3H	3V	T6	G12	Axial	DFS2PT-39-MBA-MID.IES
	MBA (high)	3,300	10,611	15.0°	15.1°	38.2°	38.3°	3H	3V	T6	G12	Axial	DFS2PT-39-MBA-HIGH.IES
	WBA (low)	3,300	8,385	22.1°	22.2°	47.6°	47.7°	4H	4V	T6	G12	Axial	DFS2PT-39-WBA-LOW.IES
	WBA (mid)	3,300	2,925	46.9°	47.0°	83.5°	84.2°	5H	5V	T6	G12	Axial	DFS2PT-39-WBA-MID.IES
	WBA (high)	3,300	1,816	63.3°	63.5°	102.8°	103.0°	6H	6V	T6	G12	Axial	DFS2PT-39-WBA-HIGH.IES
DFS2PT-70	NBF	6,600	89,308	8.9°	8.9°	19.5°	19.4°	2H	2V	T6	G12	Axial	DFS2PT-70-NBF.IES
	WBF	6,600	31,163	16.8°	16.7°	32.3°	32.4°	3H	3V	T6	G12	Axial	DFS2PT-70-WBF.IES
	MBA (low)	6,600	78,331	8.3°	8.3°	19.0°	19.1°	2H	2V	T6	G12	Axial	DFS2PT-70-MBA-LOW.IES
	MBA (mid)	6,600	32,432	15.1°	15.2°	29.2°	29.3°	3H	3V	T6	G12	Axial	DFS2PT-70-MBA-MID.IES
	MBA (high)	6,600	21,222	15.0°	15.1°	38.2°	38.3°	3H	3V	T6	G12	Axial	DFS2PT-70-MBA-HIGH.IES
	WBA (low)	6,600	16,770	22.1°	22.2°	47.6°	47.7°	4H	4V	T6	G12	Axial	DFS2PT-70-WBA-LOW.IES
	WBA (mid)	6,600	5,850	46.9°	47.0°	83.5°	84.2°	5H	5V	T6	G12	Axial	DFS2PT-70-WBA-MID.IES
	WBA (high)	6,600	3,632	63.3°	63.5°	102.8°	103.0°	6H	6V	T6	G12	Axial	DFS2PT-70-WBA-HIGH.IES
MasterColor Elite (CMH Pulse Start)													
DFS2E-39	NBF	3,500	47,360	8.9°	8.9°	19.5°	19.4°	2H	2V	T6	G12	Axial	DFS2E-39-NBF.IES
	WBF	3,500	16,526	16.8°	16.7°	32.3°	32.4°	3H	3V	T6	G12	Axial	DFS2E-39-WBF.IES
	MBA (low)	3,500	41,539	8.3°	8.3°	19.0°	19.1°	2H	2V	T6	G12	Axial	DFS2E-39-MBA-LOW.IES
	MBA (mid)	3,500	17,199	15.1°	15.2°	29.2°	29.3°	3H	3V	T6	G12	Axial	DFS2E-39-MBA-MID.IES
	MBA (high)	3,500	11,254	15.0°	15.1°	38.2°	38.3°	3H	3V	T6	G12	Axial	DFS2E-39-MBA-HIGH.IES
	WBA (low)	3,500	8,893	22.1°	22.2°	47.6°	47.7°	4H	4V	T6	G12	Axial	DFS2E-39-WBA-LOW.IES
	WBA (mid)	3,500	3,102	46.9°	47.0°	83.5°	84.2°	5H	5V	T6	G12	Axial	DFS2E-39-WBA-MID.IES
	WBA (high)	3,500	1,926	63.3°	63.5°	102.8°	103.0°	6H	6V	T6	G12	Axial	DFS2E-39-WBA-HIGH.IES
DFS2E-70	NBF	7,300	98,780	8.9°	8.9°	19.5°	19.4°	2H	2V	T6	G12	Axial	DFS2E-70-NBF.IES
	WBF	7,300	34,468	16.8°	16.7°	32.3°	32.4°	3H	3V	T6	G12	Axial	DFS2E-70-WBF.IES
	MBA (low)	7,300	86,639	8.3°	8.3°	19.0°	19.1°	2H	2V	T6	G12	Axial	DFS2E-70-MBA-LOW.IES
	MBA (mid)	7,300	35,872	15.1°	15.2°	29.2°	29.3°	3H	3V	T6	G12	Axial	DFS2E-70-MBA-MID.IES
	MBA (high)	7,300	23,473	15.0°	15.1°	38.2°	38.3°	3H	3V	T6	G12	Axial	DFS2E-70-MBA-HIGH.IES
	WBA (low)	7,300	27,950	22.1°	22.2°	47.6°	47.7°	4H	4V	T6	G12	Axial	DFS2E-70-WBA-LOW.IES
	WBA (mid)	7,300	6,471	46.9°	47.0°	83.5°	84.2°	5H	5V	T6	G12	Axial	DFS2E-70-WBA-MID.IES
	WBA (high)	7,300	4,017	63.3°	63.5°	102.8°	103.0°	6H	6V	T6	G12	Axial	DFS2E-70-WBA-HIGH.IES
DFS2E-100	NBF	11,000	148,847	8.9°	8.9°	19.5°	19.4°	2H	2V	T6	G12	Axial	DFS2E-100-NBF.IES
	WBF	11,000	51,938	16.8°	16.7°	32.3°	32.4°	3H	3V	T6	G12	Axial	DFS2E-100-WBF.IES
	MBA (low)	11,000	130,552	8.3°	8.3°	19.0°	19.1°	2H	2V	T6	G12	Axial	DFS2E-100-MBA-LOW.IES
	MBA (mid)	11,000	54,054	15.1°	15.2°	29.2°	29.3°	3H	3V	T6	G12	Axial	DFS2E-100-MBA-MID.IES
	MBA (high)	11,000	35,370	15.0°	15.1°	38.2°	38.3°	3H	3V	T6	G12	Axial	DFS2E-100-MBA-HIGH.IES
	WBA (low)	11,000	27,950	22.1°	22.2°	47.6°	47.7°	4H	4V	T6	G12	Axial	DFS2E-100-WBA-LOW.IES
	WBA (mid)	11,000	9,750	46.9°	47.0°	83.5°	84.2°	5H	5V	T6	G12	Axial	DFS2E-100-WBA-MID.IES
	WBA (high)	11,000	6,053	63.3°	63.5°	102.8°	103.0°	6H	6V	T6	G12	Axial	DFS2E-100-WBA-HIGH.IES

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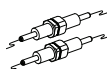
Option Details (factory installed)

Ballast Fusing options

F1 Single Fuse (120/277/347V)
(KTK 30 amp fuse)
(Voltage must be specified)
(ships installed)



F2 Double Fuse (208/240V)
F3 Double Fuse (208/240V)
(Canadian double pull)
(Two KTK 30 amp fuses)
(Voltage must be specified)
(ships installed)



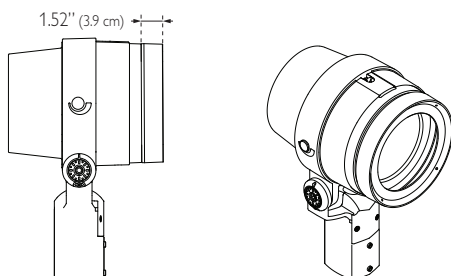
External Shielding option Pre-attached

BD Barn Doors
Available February 1, 2012

Lens Option Details (Includes factory installed lens holder that can hold up to two lenses, or one lens option and the stone guard option.)

External Lens Holder

(included with any lens option or stone guard option)
(ships installed)



Spread Lenses

May be combined with a color or color temp lens. Beam images are for reference only.



Clear Glass
(standard) beam is unchanged



BSO Beam Softener
softens beam in both directions



HL BSP Beam Spreader Horizontal
unidirectional horizontal beam spreader



VL BSP Beam Spreader Vertical
unidirectional vertical beam spreader

Color Lenses

SGFBL	Solgel Blue Filter	Lee/Rosco equivalent:	Medium blue 132
SGFLB	Solgel Light Blue Filter	Lee/Rosco equivalent:	Marine blue 131
SGFYE	Solgel Yellow Filter	Lee/Rosco equivalent:	Yellow 101
SGFGN	Solgel Green Filter	Lee/Rosco equivalent:	Primary green 139
SGFMG	Solgel Magenta Filter	Lee/Rosco equivalent:	Calcolor Pink 4890

Color Temp Lenses

		installed lamp CCT (no filter)	approx. % change with filter	resulting CCT with filter
WAF1	Warm n°1 Solgel Filter	3000 K	-23.3%	2300 K
WAF2	Warm n°2 Solgel Filter	3000 K	-16.7%	2500 K
WAF3	Warm n°3 Solgel Filter	3000 K	-10.0%	2700 K
COF2	Cool n°2 Solgel Filter	3000 K	+26.7%	3800 K
COF3	Cool n°3 Solgel Filter	3000 K	+16.7%	3500 K
COF4	Cool n°4 Solgel Filter	3000 K	+10.0%	3300 K

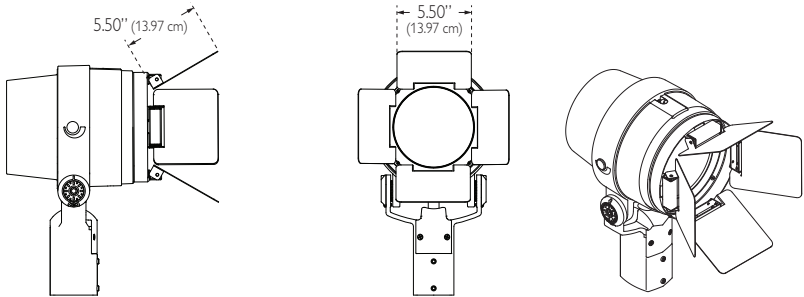
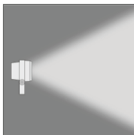
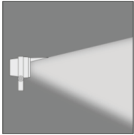
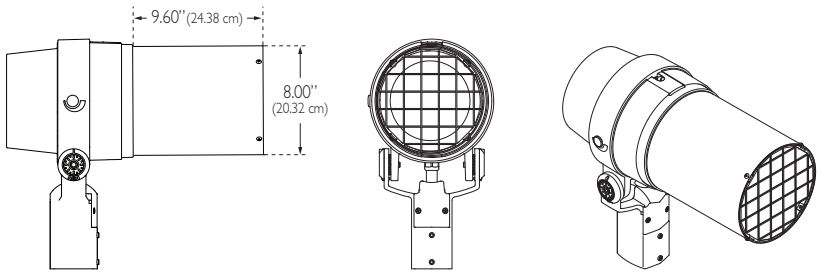
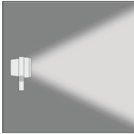
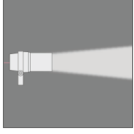
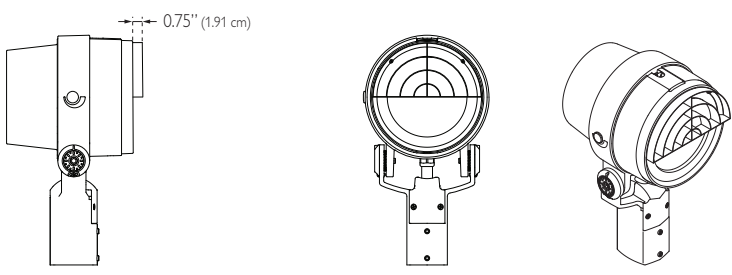
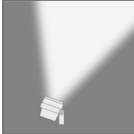
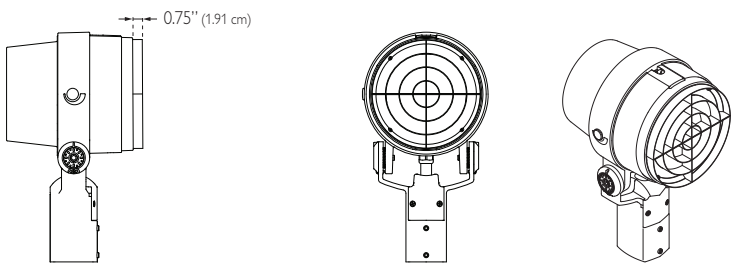
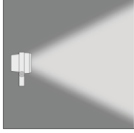
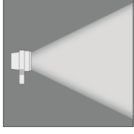
Color Temp Lenses are used to adjust the color temperature of the existing lamp to a warmer or cooler CCT depending on the surface to be illuminated. Approximate percentage change in CCT (warmer or cooler) with filter is shown. Results can vary by lamp type, source, and optical distribution.

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External Shielding Accessory Details (black unless otherwise specified) (must be ordered separately) (beam images are for reference only)

BD-DFS2 Barn Doors		 	Helps to frame beam and increase visual comfort without impairing the main distribution.
GS-DFS2 Glare Shield (visor)		 	Helps to increase visual comfort from certain viewing angles without impairing the main distribution.
CN-DFS2 Cannon (full snoot)		 	Helps to limit glare and spill light in all directions.
HRL-DFS2 Half Round Louver		 	Helps to limit glare and spill light in one direction.
RL-DFS2 Full Round Louver		 	Helps to limit glare and spill light in all directions.

DFS2 Series

DecoFlood Small Round - 39-100W HID

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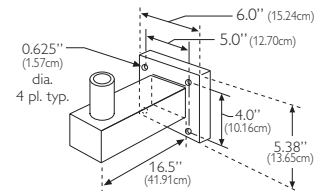
Swivel Mount Accessory Details (must be ordered separately) (F = specify finish)

WMB-16.5-(F)

Wall Mounting Bracket

2-3/8" O.D. vertical tenon welded to extruded aluminum arm with removable end cap for wiring. Arm is bolted to a cast aluminum plate that has four 5/8" diameter mounting holes.

Suitable for mounting single luminaire only.
Mounting hardware by others.

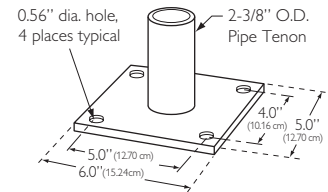


SMT-2-(F)

Surface Mounted Tenon

2-3/8" O.D. aluminum tenon welded to a flat aluminum plate with four 1/2" diameter mounting holes.

Single floodlight may be pad mounted or wall mounted.
Mounting hardware by others.

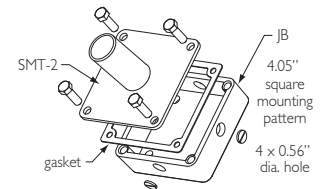


JB-VMT-(F)

Junction Box with SMT-2

For mounting to flat surfaces when using surface mount conduit.

Box has four 1/2" pipe entrances.
Mounting hardware by others.



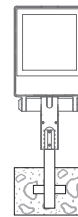
SM-18-(F)

18" Stanchion Mount

Stanchion mounting allows stable positioning of vertical tenon member in aggregate or substrate.

2-3/8" O.D. aluminum tenon welded to a 2-7/8" stanchion.

Standard length: 18"



PTA-2180-16.5-(F)

Pole Top Adapter, 2@180

Vertically mounted 2-3/8" O.D. tenons welded to extruded aluminum arms with removable end cap for wiring. Arms bolted to cast aluminum pole top bracket. Fits poles having a 2-3/8" O.D. x 4" vertical tenon.

PTA-2090-16.5-(F)

Pole Top Adapter, 2@90

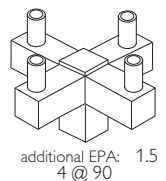
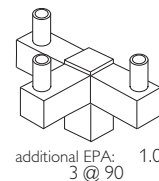
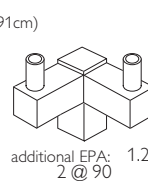
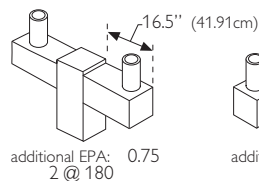
Components shipped separately. Field assembly required.

PTA-3090-16.5-(F)

Pole Top Adapter, 3@90

PTA-4090-16.5-(F)

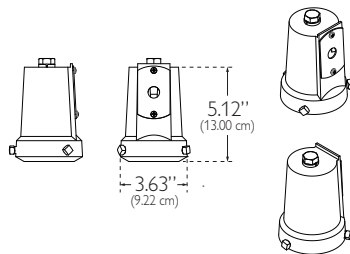
Pole Top Adapter, 4@90



Yoke Mount Accessory Details (must be ordered separately) (F = specify finish)

MF4-(F)

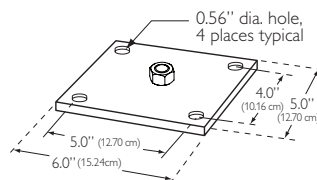
Slip Fitter
(fits 2-3/8" O.D. tenon)



BP-(F)

Surface Mount Base Plate

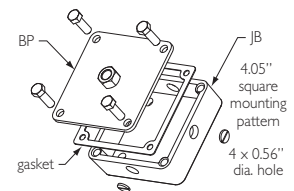
Flat aluminum plate with four 1/2" diameter mounting holes. Single floodlight may be pad mounted or wall mounted.
Mounting hardware by others.



JB-BP-(F)

Junction Box with BP

For mounting to flat surfaces when using surface mount conduit. Box has four 1/2" pipe entrances.
Mounting hardware by others.



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Notes



ISO 9001
Certified



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