

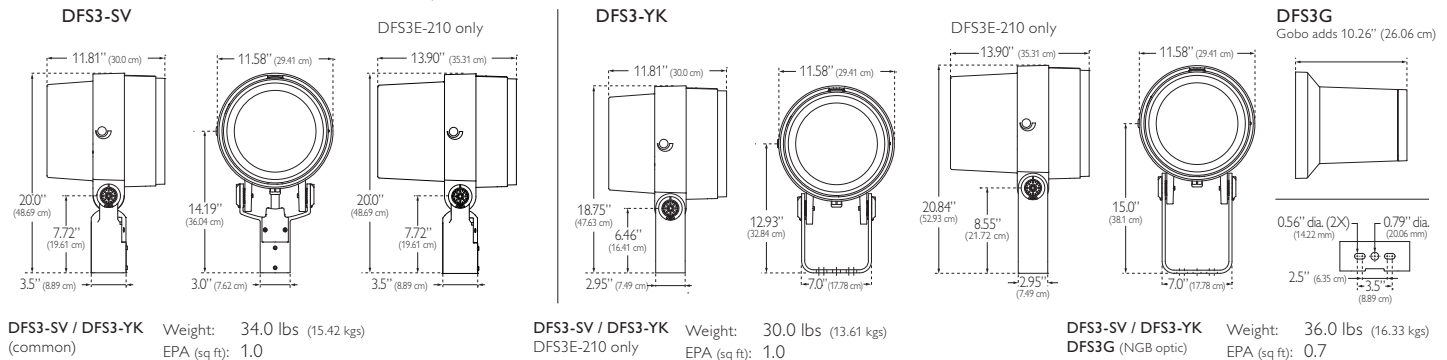
DFS3 Series

DecoFlood Medium Round - 39-210W HID

Type:	Job:	Approvals:	
Catalog Number:			
Series/Source-Wattage	Distribution	Ballast	Voltage
Style (Mounting)	Options	Lens Option(s)	Finish
Accessories (Field Installed)	Date: Page 1 of 12		

Overall Dimensions For Reference Only

See Style and Mounting Details.



Specifications

Optical System / Available Distributions

NBF	Narrow Beam	(Fixed)
MBF	Medium Beam	(Fixed)
WBF1	Wide Beam 1	(Fixed)
WBF2	Wide Beam 2	(Fixed)
WBF3	Wide Beam 3	(Fixed)
MBA	Medium Beam	(Adjustable)
WBA	Wide Beam	(Adjustable)
NBG	Narrow Beam Gobo	(Gobo Projector)

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

DFS3 'PT': T6 CMH (pulse start) lamps, G12 base.
DFS3 'E': MasterColor Elite lamps
100 / 150W: T6 envelope, G12 base.
210W: T9 envelope, PGZ18 base.
DFS3 'P': ED17 PSMH lamps, medium base.
DFS3 'S': BD17 HPS lamps, medium base.
DFS3 'G': T6 CMH (pulse start) lamps, G12 base.
150W requires short arc tube lamp.
See distribution guide for details.

Ballast / Voltage

'E': 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).
'C': High reactance high power factor core & coil ballast. Reliable starting at temperatures as low as -34°C (-30°F) for pulse start metal halide, and -40°C (-40°F) for high pressure sodium. Crest factor does not exceed 1.8.
100-210W MasterColor Elite units available with electronic ballast 'E' only.
39-150W T6 Ceramic Metal Halide, 70 and 150W Short Arc tube T6 Ceramic Metal Halide (Gobo) and 70-150W Pulse Start Metal Halide units available with either electronic 'E' or core & coil 'C' ballast.

70-150W High Pressure Sodium units available with 'C' core & coil ballast only.
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' (208/240/480V), or Double Fuse 'F3' (208/240/480V) (Canadian double pull) option available.

External Shielding:

Barn Doors 'BD' option will be available Q1-2012.

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-DFS3'; glare shield 'GS-DFS3'; cannon 'CN-DFS3'; half round louver 'HRL-DFS3'; full round louver 'RL-DFS3'. (Shielding is black unless otherwise specified).

Mounting Accessories:

See Accessory Details.

Aiming (when mounted to horizontal surface)

DFS3-SV (including DFS3G) can be aimed 82.5° up or 70.0° down.

DFS3E-210-SV can be aimed 80° up or 70.0° down.

DFS3-YK (including DFS3E-210-SV and DFS3G) can be aimed 90.0° up or 90.0° down.

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.

DFS3 Series

DecoFlood Medium Round - 39-210W HID

Type:	Job:	Page 2 of 12
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Series	Distribution	Ballast	Voltage	Style	Options
T6 Ceramic Metal Halide ☐ DFS3PT-39^{1,7} ☐ DFS3PT-70¹ ☐ DFS3PT-150¹ MasterColor Elite ☐ DFS3E-100^{1,2} ☐ DFS3E-150^{1,2} ☐ DFS3E-210^{2,3} Pulse Start Metal Halide ☐ DFS3P-70 ☐ DFS3P-100 ☐ DFS3P-150 High Pressure Sodium ☐ DFS3S-70⁴ ☐ DFS3S-100⁴ ☐ DFS3S-150⁴ T6 CMH Gobo Projector ☐ DFS3G-70⁵ ☐ DFS3G-150⁵	Fixed Beam ☐ NBF Narrow Beam ☐ MBF Medium Beam ☐ WBF1 Wide Beam 1 ☐ WBF2 Wide Beam 2 ☐ WBF3 Wide Beam 3 Adjustable Beam ☐ MBA¹ Medium Beam ☐ WBA¹ Wide Beam Gobo Projector ☐ NBG⁵ Narrow Beam Gobo See optical data tables for specific beam and candela information.	☐ E² Electronic ☐ C^{4,7} Core & Coil	☐ 120³ ☐ 208⁷ ☐ 240⁷ ☐ 277 ☐ 347^{3,7} ☐ 480^{2,3,7}	☐ SV Swivel ☐ YK Yoke Standard cord length is 3 ft.	☐ F1 Single Fuse (120/277/347V) ☐ F2 Double Fuse (208/240/480V) ☐ F3 Double Fuse (208/240/480V) (Canadian double pull) External Shielding⁵ (pre-attached) ☐ BD Barn Doors Available February 1, 2012
Notes: 1. Adjustable beam optics are only available with standard CMH and MasterColor Elite T6 lamps (T9 210W MCE not available). 2. MasterColor Elite lamps are only available with electronic ballast option 'E'. Electronic ballasts are available in 120-347 V, not available in 480 V (see 210W MCE exceptions in note #3). 3. 210 W MCE is not available in 120, 347 and 480V. 4. High Pressure Sodium is only available with core & coil ballast option 'C'. Core & coil ballasts are available in 120-480V. 5. DFS3G option available April 1, 2012. DFS3G comes with lamp from the factory and requires 'NBG' optic. Shielding and lens options are not available with the DFS3G. Compatible with standard off-the-shelf or custom Size-A metal gobos or Size-B images in a physical Size-A gobo. DFS3G-150 requires short arc tube T6 lamp. DFS3G-70 uses standard T6 lamp. 6. 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. 7. 39 W T6 Ceramic Metal Halide not available in 308, 240, 347 or 480V with 'C' core & coil ballasts.					

Accessories (must be ordered separately)

- External Shielding Accessories⁵ (black unless otherwise specified)**
- ☐ **BD-DFS3** Barn Doors
 - ☐ **GS-DFS3** Glare Shield (visor)
 - ☐ **CN-DFS3** Cannon (full snout)
 - ☐ **HRL-DFS3** Half Round Louver
 - ☐ **RL-DFS3** 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)

Lens Options (includes lens holder; holds up to two lenses)

Finish

Spread Lenses^{5,6} ☐ BSO Beam Softener ☐ HLBSP Beam Spreader Horizontal ☐ VLBSP Beam Spreader Vertical Color Lenses^{5,6} ☐ SGFBL Solgel Blue Filter ☐ SGFLB Solgel Light Blue Filter ☐ SGFYE Solgel Yellow Filter ☐ SGFGN Solgel Green Filter ☐ SGFMG Solgel Magenta Filter	Color Temp Lenses^{5,6} ☐ 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
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DFS3 Series

DecoFlood Medium Round - 39-210W HID

Type:	Job:	Page 3 of 12
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Distribution Guide and Ballast Data ^{1,5}

T6 CMH Pulse Start ² Series/Source-Wattage	Lamp ² / Base Axial orientation	Ballast Type	ANSI Code	Initial Lamp lm	Rated Life (hrs)	Line Current 120 / 208 / 240 / 277 / 347 / 480	Line Watts ⁴
DFS3PT-39	T6 / G12	Electronic	C130/E	3,300	12,000	0.38 / 0.25 / 0.21 / 0.18 / 0.18 / NA	46 / 56 ⁴
DFS3PT-39	T6 / G12	HX-HPF	M130	3,300	12,000	0.90 / NA / NA / 0.40 / NA / NA	56
DFS3PT-70	T6 / G12	Electronic	C139/E	6,600	12,000	0.70 / 0.46 / 0.38 / 0.31 / 0.31 / NA	80 / 90 ⁴
DFS3PT-70	T6 / G12	HX-HPF	M98 / M143	6,600	12,000	1.90 / 1.04 / 0.90 / 0.80 / 0.70 / 0.50	95
DFS3PT-150	T6 / G12	Electronic	C142/E	14,000	12,000	1.41 / 1.00 / 0.86 / 0.69 / 0.56 / NA	165 / 175 ⁴
DFS3PT-150	T6 / G12	HX-HPF	M102 / M142	14,000	12,000	3.70 / 2.10 / 1.80 / 1.60 / 1.30 / 1.00	185
MasterColor Elite ³ Series/Source-Wattage	Lamp ³ / Base Axial orientation	Ballast Type	ANSI Code	Initial Lamp lm	Rated Life (hrs)	Line Current 120 / 208 / 240 / 277 / 347 / 480	Line Watts ⁴
DFS3E-100	T6 / G12	Electronic	C90/E	11,000	15,000	0.98 / 0.67 / 0.52 / 0.42 / 0.42 / NA	116 / 126 ⁴
DFS3E-150	T6 / G12	Electronic	C142/E	15,000	12,000	1.41 / 1.00 / 0.86 / 0.69 / 0.56 / NA	165 / 175 ⁴
DFS3E-210	T9 / PGZ18	Electronic	C183/E	24,150	24,000	NA / 1.20 / 1.00 / 0.82 / NA / NA	227
Pulse Start Metal Halide Series/Source-Wattage	Lamp / Base Axial orientation	Ballast Type	ANSI Code	Initial Lamp lm	Rated Life (hrs)	Line Current 120 / 208 / 240 / 277 / 347 / 480	Line Watts ⁴
DFS3P-70	ED17 / medium	Electronic	M98 / M139 / M143	6,200	20,000	0.70 / 0.48 / 0.40 / 0.31 / 0.31 / NA	83 / 93 ⁴
DFS3P-70	ED17 / medium	HX-HPF	M98 / M143	6,200	20,000	1.90 / 1.04 / 0.90 / 0.80 / 0.70 / 0.50	95
DFS3P-100	ED17 / medium	Electronic	M90 / M140	9,500	20,000	0.98 / 0.67 / 0.52 / 0.42 / 0.42 / NA	116 / 126 ⁴
DFS3P-100	ED17 / medium	HX-HPF	M90 / M140	9,500	20,000	2.80 / 1.40 / 1.40 / 1.20 / 1.00 / 0.62	130
DFS3P-150	ED17 / medium	Electronic	M102 / M142	14,000	20,000	1.41 / 1.00 / 0.86 / 0.69 / 0.56 / NA	165 / 175 ⁴
DFS3P-150	ED17 / medium	HX-HPF	M102 / M142	14,000	20,000	3.70 / 2.10 / 1.80 / 1.60 / 1.30 / 1.00	185
High Pressure Sodium Series/Source-Wattage	Lamp / Base Axial orientation	Ballast Type	ANSI Code	Initial Lamp lm	Rated Life (hrs)	Line Current 120 / 208 / 240 / 277 / 347 / 480	Line Watts
DFS3S-70	BD17 / medium	HX-HPF	S62	6,300	24,000	1.70 / 1.00 / 0.90 / 0.80 / 0.60 / 0.40	94
DFS3S-100	BD17 / medium	HX-HPF	S54	9,500	24,000	2.30 / 1.30 / 1.10 / 1.00 / 0.70 / 0.60	135
DFS3S-150	BD17 / medium	HX-HPF	S55	16,000	24,000	3.20 / 1.70 / 1.60 / 1.40 / 1.10 / 0.72	195
T6 CMH Gobo Projector ⁵ Series/Source-Wattage	Lamp ⁵ / Base Axial orientation	Ballast Type	ANSI Code	Initial Lamp lm	Rated Life (hrs)	Line Current 120 / 208 / 240 / 277 / 347 / 480	Line Watts ⁴
DFS3G-70	T6 / G12	Electronic	C139/E	6,600	12,000	0.70 / 0.46 / 0.38 / 0.31 / 0.31 / NA	80 / 90 ⁴
DFS3G-70	T6 / G12	HX-HPF	M98 / M143	6,600	12,000	1.90 / 1.04 / 0.90 / 0.80 / 0.70 / 0.50	95
DFS3G-150	T6 / G12 short arc tube	Electronic	C142/E	14,000	9,000	1.41 / 1.00 / 0.86 / 0.69 / 0.56 / NA	165 / 175 ⁴
DFS3G-150	T6 / G12 short arc tube	HX-HPF	M102 / M142	14,000	9,000	3.70 / 2.10 / 1.80 / 1.60 / 1.30 / 1.00	185

Notes

1) Photometry available online. IES file names reflect catalog logic.

2) 'DFS3PT' series MasterColor ceramic metal halide lamps: CCT of 3000 K.
 39W: MasterColor CDM-T 35W/830 T6 CRI: 81
 70W: MasterColor CDM-T 70W/830 T6 CRI: 84
 150W: MasterColor CDM-T 150W/830 T6 CRI: 88

3) 'DFS3E' series MasterColor Elite ceramic metal halide lamps: CCT of 3000 K.
 100W: MasterColor CDM-T Elite 100W/930 T6 CRI: 90
 150W: MasterColor CDM-T Elite 150W/930 T6 CRI: 90
 210W: CDM Elite MW 210/T9/930 CRI: 90

4) Line Watts with Electronic Ballast: 120-277V / 347V

5) 'DFS3G' series with T6 CMH Gobo Projector ships with factory installed lamp.
 DFS3G-150 requires short arc tube lamp: CDM-SA/T 150W/942.
 DFS3G-70 uses standard T6 lamp.

DFS3 Series

DecoFlood Medium Round - 39-210W HID

Type:	Job:	Page 4 of 12
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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 (Pulse Start)													
DFS3PT-39	NBF	3,300	63,256	7.3°	7.3°	16.3°	16.3°	1H	1V	T6	G12	Axial	DFS3PT-39-NBF.IES
	MBF	3,300	25,424	13.8°	13.8°	24.2°	24.2°	2H	2V	T6	G12	Axial	DFS3PT-39-MBF.IES
	WBF1	3,300	9,301	21.5°	21.5°	42.7°	42.8°	3H	3V	T6	G12	Axial	DFS3PT-39-WBF1.IES
	WBF2	3,300	3,437	42.0°	43.0°	69.9°	70.3°	4H	5V	T6	G12	Axial	DFS3PT-39-WBF2.IES
	WBF3	3,300	2,002	61.2°	61.8°	98.5°	98.8°	5H	5V	T6	G12	Axial	DFS3PT-39-WBF3.IES
	MBA (low)	3,300	52,888	8.4°	8.4°	18.8°	18.8°	2H	2V	T6	G12	Axial	DFS3PT-39-MBA-LOW.IES
	MBA (mid)	3,300	25,719	13.2°	13.2°	25.6°	25.6°	2H	2V	T6	G12	Axial	DFS3PT-39-MBA-MID.IES
	MBA (high)	3,300	8,428	25.4°	25.4°	41.5°	41.5°	3H	3V	T6	G12	Axial	DFS3PT-39-MBA-HIGH.IES
	WBA (low)	3,300	13,009	18.9°	19.9°	40.6°	40.6°	3H	3V	T6	G12	Axial	DFS3PT-39-WBA-LOW.IES
	WBA (mid)	3,300	5,068	36.6°	36.6°	61.3°	61.3°	4H	4V	T6	G12	Axial	DFS3PT-39-WBA-MID.IES
	WBA (high)	3,300	2,574	55.0°	55.0°	88.9°	88.9°	5H	5V	T6	G12	Axial	DFS3PT-39-WBA-HIGH.IES
DFS3PT-70	NBF	6,600	126,513	7.3°	7.3°	16.3°	16.3°	1H	1V	T6	G12	Axial	DFS3PT-70-NBF.IES
	MBF	6,600	50,848	13.8°	13.8°	24.2°	24.2°	2H	2V	T6	G12	Axial	DFS3PT-70-MBF.IES
	WBF1	6,600	18,601	21.5°	21.5°	42.7°	42.8°	3H	3V	T6	G12	Axial	DFS3PT-70-WBF1.IES
	WBF2	6,600	6,874	42.0°	43.0°	69.9°	70.3°	4H	5V	T6	G12	Axial	DFS3PT-70-WBF2.IES
	WBF3	6,600	4,004	61.2°	61.8°	98.5°	98.8°	5H	5V	T6	G12	Axial	DFS3PT-70-WBF3.IES
	MBA (low)	6,600	110,310	8.4°	8.4°	18.8°	18.8°	2H	2V	T6	G12	Axial	DFS3PT-70-MBA-LOW.IES
	MBA (mid)	6,600	53,643	13.2°	13.2°	25.6°	25.6°	2H	2V	T6	G12	Axial	DFS3PT-70-MBA-MID.IES
	MBA (high)	6,600	17,579	25.4°	25.4°	41.5°	41.5°	3H	3V	T6	G12	Axial	DFS3PT-70-MBA-HIGH.IES
	WBA (low)	6,600	27,133	18.9°	19.9°	40.6°	40.6°	3H	3V	T6	G12	Axial	DFS3PT-70-WBA-LOW.IES
	WBA (mid)	6,600	10,571	36.6°	36.6°	61.3°	61.3°	4H	4V	T6	G12	Axial	DFS3PT-70-WBA-MID.IES
	WBA (high)	6,600	5,369	55.0°	55.0°	88.9°	88.9°	5H	5V	T6	G12	Axial	DFS3PT-70-WBA-HIGH.IES
DFS3PT-150	NBF	14,000	268,360	7.3°	7.3°	16.3°	16.3°	1H	1V	T6	G12	Axial	DFS3PT-150-NBF.IES
	MBF	14,000	107,860	13.8°	13.8°	24.2°	24.2°	2H	2V	T6	G12	Axial	DFS3PT-150-MBF.IES
	WBF1	14,000	39,458	21.5°	21.5°	42.7°	42.8°	3H	3V	T6	G12	Axial	DFS3PT-150-WBF1.IES
	WBF2	14,000	14,580	42.0°	43.0°	69.9°	70.3°	4H	5V	T6	G12	Axial	DFS3PT-150-WBF2.IES
	WBF3	14,000	8,494	61.2°	61.8°	98.5°	98.8°	5H	5V	T6	G12	Axial	DFS3PT-150-WBF3.IES
	MBA (low)	14,000	211,553	8.4°	8.4°	18.8°	18.8°	2H	2V	T6	G12	Axial	DFS3PT-150-MBA-LOW.IES
	MBA (mid)	14,000	102,877	13.2°	13.2°	25.6°	25.6°	2H	2V	T6	G12	Axial	DFS3PT-150-MBA-MID.IES
	MBA (high)	14,000	33,712	25.4°	25.4°	41.5°	41.5°	3H	3V	T6	G12	Axial	DFS3PT-150-MBA-HIGH.IES
	WBA (low)	14,000	52,035	18.9°	19.9°	40.6°	40.6°	3H	3V	T6	G12	Axial	DFS3PT-150-WBA-LOW.IES
	WBA (mid)	14,000	20,273	36.6°	36.6°	61.3°	61.3°	4H	4V	T6	G12	Axial	DFS3PT-150-WBA-MID.IES
	WBA (high)	14,000	10,297	55.0°	55.0°	88.9°	88.9°	5H	5V	T6	G12	Axial	DFS3PT-150-WBA-HIGH.IES

DFS3 Series

DecoFlood Medium Round - 39-210W HID

Type:	Job:	Page 5 of 12
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Optical Data (continued)

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 #
MasterColor Elite (CMH Pulse Start)													
DFS3E-100	NBF	11,000	210,855	7.3°	7.3°	16.3°	16.3°	1H	1V	T6	G12	Axial	DFS3E-100-NBF.IES
	MBF	11,000	84,747	13.8°	13.8°	24.2°	24.2°	2H	2V	T6	G12	Axial	DFS3E-100-MBF.IES
	WBF1	11,000	31,002	21.5°	21.5°	42.7°	42.8°	3H	3V	T6	G12	Axial	DFS3E-100-WBF1.IES
	WBF2	11,000	11,456	42.0°	43.0°	69.9°	70.3°	4H	5V	T6	G12	Axial	DFS3E-100-WBF2.IES
	WBF3	11,000	6,674	61.2°	61.8°	98.5°	98.8°	5H	5V	T6	G12	Axial	DFS3E-100-WBF3.IES
	MBA (low)	11,000	166,221	8.4°	8.4°	18.8°	18.8°	2H	2V	T6	G12	Axial	DFS3E-100-MBA-LOW.IES
	MBA (mid)	11,000	80,832	13.2°	13.2°	25.6°	25.6°	2H	2V	T6	G12	Axial	DFS3E-100-MBA-MID.IES
	MBA (high)	11,000	26,488	25.4°	25.4°	41.5°	41.5°	3H	3V	T6	G12	Axial	DFS3E-100-MBA-HIGH.IES
	WBA (low)	11,000	40,885	18.9°	18.9°	40.6°	40.6°	3H	3V	T6	G12	Axial	DFS3E-100-WBA-LOW.IES
	WBA (mid)	11,000	15,929	36.6°	36.6°	61.3°	61.3°	4H	4V	T6	G12	Axial	DFS3E-100-WBA-MID.IES
	WBA (high)	11,000	11,032	55.0°	55.0°	88.9°	88.9°	5H	5V	T6	G12	Axial	DFS3E-100-WBA-HIGH.IES
DFS3E-150	NBF	15,000	287,529	7.3°	7.3°	16.3°	16.3°	1H	1V	T6	G12	Axial	DFS3E-150-NBF.IES
	MBF	15,000	115,565	13.8°	13.8°	24.2°	24.2°	2H	2V	T6	G12	Axial	DFS3E-150-MBF.IES
	WBF1	15,000	42,276	21.5°	21.5°	42.7°	42.8°	3H	3V	T6	G12	Axial	DFS3E-150-WBF1.IES
	WBF2	15,000	15,622	42.0°	43.0°	69.9°	70.3°	4H	5V	T6	G12	Axial	DFS3E-150-WBF2.IES
	WBF3	15,000	9,101	61.2°	61.8°	98.5°	98.8°	5H	5V	T6	G12	Axial	DFS3E-150-WBF3.IES
	MBA (low)	15,000	226,664	8.4°	8.4°	18.8°	18.8°	2H	2V	T6	G12	Axial	DFS3E-150-MBA-LOW.IES
	MBA (mid)	15,000	110,225	13.2°	13.2°	25.6°	25.6°	2H	2V	T6	G12	Axial	DFS3E-150-MBA-MID.IES
	MBA (high)	15,000	36,120	25.4°	25.4°	41.5°	41.5°	3H	3V	T6	G12	Axial	DFS3E-150-MBA-HIGH.IES
	WBA (low)	15,000	52,035	18.9°	18.9°	40.6°	40.6°	3H	3V	T6	G12	Axial	DFS3E-150-WBA-LOW.IES
	WBA (mid)	15,000	21,721	36.6°	36.6°	61.3°	61.3°	4H	4V	T6	G12	Axial	DFS3E-150-WBA-MID.IES
	WBA (high)	15,000	11,032	55.0°	55.0°	88.9°	88.9°	5H	5V	T6	G12	Axial	DFS3E-150-WBA-HIGH.IES
DFS3E-210	NBF	24,150	341,807	8.1°	8.1°	17.9°	17.9°	1H	1V	T9	PGZ18	Axial	DFS3E-210-NBF.IES
	MBF	24,150	162,687	14.2°	14.2°	24.7°	24.8°	2H	2V	T9	PGZ18	Axial	DFS3E-210-MBF.IES
	WBF1	24,150	60,150	21.7°	21.7°	43.7°	43.8°	3H	3V	T9	PGZ18	Axial	DFS3E-210-WBF1.IES
	WBF2	24,150	18,525	50.1°	50.2°	85.2°	85.9°	5H	5V	T9	PGZ18	Axial	DFS3E-210-WBF2.IES
	WBF3	24,150	11,516	69.2°	69.5°	103.2°	103.3°	6H	6V	T9	PGZ18	Axial	DFS3E-210-WBF3.IES

DFS3 Series

DecoFlood Medium Round - 39-210W HID

Type:	Job:	Page 6 of 12
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Optical Data (continued)

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 #
Pulse Start Metal Halide													
DFS3P-70	NBF	6,200	76,236	7.9°	7.9°	19.4°	19.3°	2H	2V	ED17	MED	Axial	DFS3P-70-NBF.IES
	MBF	6,200	28,767	15.7°	15.6°	27.1°	27.6°	2H	2V	ED17	MED	Axial	DFS3P-70-MBF.IES
	WBF1	6,200	14,179	22.5°	22.5°	44.7°	44.7°	3H	3V	ED17	MED	Axial	DFS3P-70-WBF1.IES
	WBF2	6,200	6,098	43.7°	43.6°	75.2°	75.6°	5H	5V	ED17	MED	Axial	DFS3P-70-WBF2.IES
	WBF3	6,200	3,742	62.5°	62.6°	100.6°	100.8°	6H	6V	ED17	MED	Axial	DFS3P-70-WBF3.IES
DFS3P-100	NBF	9,500	116,813	7.9°	7.9°	19.4°	19.3°	2H	2V	ED17	MED	Axial	DFS3P-100-NBF.IES
	MBF	9,500	44,079	15.7°	15.6°	27.1°	27.6°	2H	2V	ED17	MED	Axial	DFS3P-100-MBF.IES
	WBF1	9,500	21,725	22.5°	22.5°	44.7°	44.7°	3H	3V	ED17	MED	Axial	DFS3P-100-WBF1.IES
	WBF2	9,500	9,344	43.7°	43.6°	75.2°	75.6°	5H	5V	ED17	MED	Axial	DFS3P-100-WBF2.IES
	WBF3	9,500	5,734	62.5°	62.6°	100.6°	100.8°	6H	6V	ED17	MED	Axial	DFS3P-100-WBF3.IES
DFS3P-150	NBF	14,000	172,145	7.9°	7.9°	19.4°	19.3°	2H	2V	ED17	MED	Axial	DFS3P-150-NBF.IES
	MBF	14,000	64,959	15.7°	15.6°	27.1°	27.6°	2H	2V	ED17	MED	Axial	DFS3P-150-MBF.IES
	WBF1	14,000	32,017	22.5°	22.5°	44.7°	44.7°	3H	3V	ED17	MED	Axial	DFS3P-150-WBF1.IES
	WBF2	14,000	13,770	43.7°	43.6°	75.2°	75.6°	5H	5V	ED17	MED	Axial	DFS3P-150-WBF2.IES
	WBF3	14,000	8,450	62.5°	62.6°	100.6°	100.8°	6H	6V	ED17	MED	Axial	DFS3P-150-WBF3.IES
High Pressure Sodium													
DFS3S-70	NBF	6,300	43,979	8.3°	8.2°	26.7°	26.3°	2H	2V	BD17	MED	Axial	DFS3S-70-NBF.IES
	MBF	6,300	16,689	19.4°	20.4°	40.5°	41.1°	3H	3V	BD17	MED	Axial	DFS3S-70-MBF.IES
	WBF1	6,300	10,479	25.2°	25.2°	53.6°	53.7°	4H	4V	BD17	MED	Axial	DFS3S-70-WBF1.IES
	WBF2	6,300	5,812	38.6°	39.1°	87.6°	87.7°	5H	5V	BD17	MED	Axial	DFS3S-70-WBF2.IES
	WBF3	6,300	3,578	60.6°	61.0°	107.2°	107.3°	6H	6V	BD17	MED	Axial	DFS3S-70-WBF3.IES
DFS3S-100	NBF	9,500	66,318	8.3°	8.2°	26.7°	26.3°	2H	2V	BD17	MED	Axial	DFS3S-100-NBF.IES
	MBF	9,500	25,165	19.4°	20.4°	40.5°	41.1°	3H	3V	BD17	MED	Axial	DFS3S-100-MBF.IES
	WBF1	9,500	15,802	25.2°	25.2°	53.6°	53.7°	4H	4V	BD17	MED	Axial	DFS3S-100-WBF1.IES
	WBF2	9,500	8,765	38.6°	39.1°	87.6°	87.7°	5H	5V	BD17	MED	Axial	DFS3S-100-WBF2.IES
	WBF3	9,500	5,396	60.6°	61.0°	107.2°	107.3°	6H	6V	BD17	MED	Axial	DFS3S-100-WBF3.IES
DFS3S-150	NBF	16,000	111,692	8.3°	8.2°	26.7°	26.3°	2H	2V	BD17	MED	Axial	DFS3S-150-NBF.IES
	MBF	16,000	42,384	19.4°	20.4°	40.5°	41.1°	3H	3V	BD17	MED	Axial	DFS3S-150-MBF.IES
	WBF1	16,000	26,614	25.2°	25.2°	53.6°	53.7°	4H	4V	BD17	MED	Axial	DFS3S-150-WBF1.IES
	WBF2	16,000	14,762	38.6°	39.1°	87.6°	87.7°	5H	5V	BD17	MED	Axial	DFS3S-150-WBF2.IES
	WBF3	16,000	9,088	60.6°	61.0°	107.2°	107.3°	6H	6V	BD17	MED	Axial	DFS3S-150-WBF3.IES

DFS3 Series

DecoFlood Medium Round - 39-210W HID

Type:

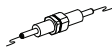
Job:

Page 7 of 12

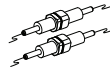
Option Details (factory installed)

Ballast Fusing options

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



F2 Double Fuse (208/240/480V)
F3 Double Fuse (208/240/480V)
(Canadian double pull)
(Two KTK 30 amp fuses)
(Voltage must be specified)
(ships installed)



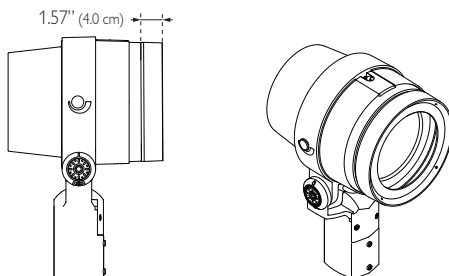
External Shielding option Pre-attached

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

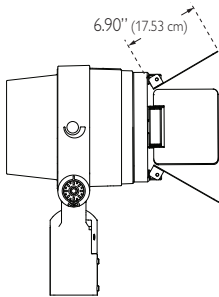
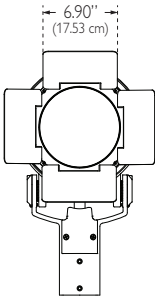
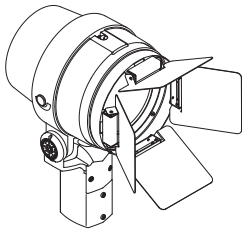
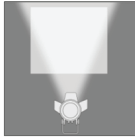
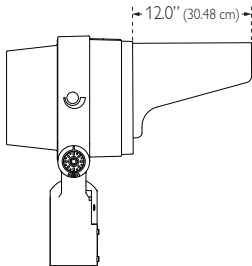
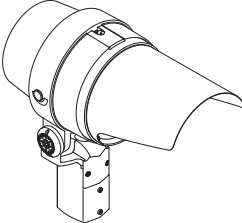
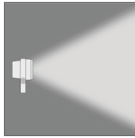
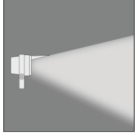
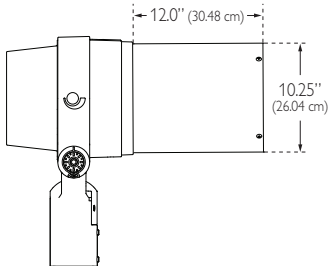
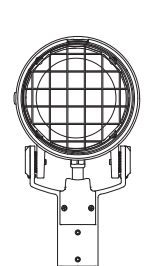
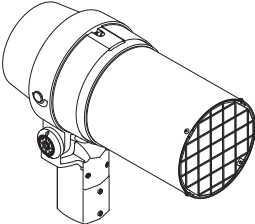
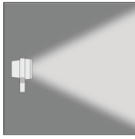
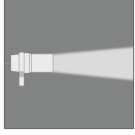
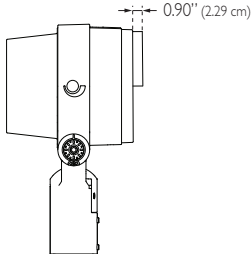
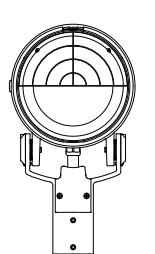
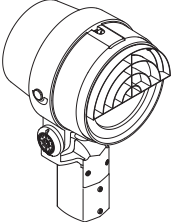
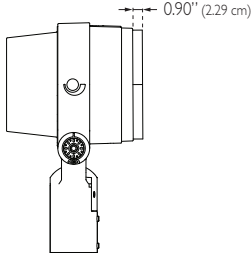
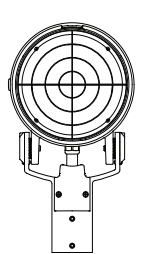
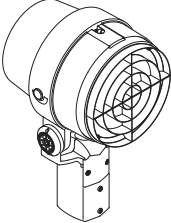
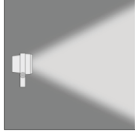
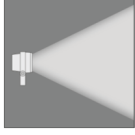
Color Temp Lenses are used to adjust the color temperature of the existing lamp to a warmer or cooler CCT depending on the surface to be illuminated. Approximate percentage change in CCT (warmer or cooler) with filter is shown. Results can vary by lamp type, source, and optical distribution.

DFS3 Series

DecoFlood Medium Round - 39-210W HID

Type:	Job:	Page 8 of 12
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External Shielding Accessory Details (black unless otherwise specified) (must be ordered separately) (beam images are for reference only)

BD-DFS3 Barn Doors				 	Helps to frame beam and increase visual comfort without impairing the main distribution.
GS-DFS3 Glare Shield (visor)				 	Helps to increase visual comfort from certain viewing angles without impairing the main distribution.
CN-DFS3 Cannon (full snoot)				 	Helps to limit glare and spill light in all directions.
HRL-DFS3 Half Round Louver				 	Helps to limit glare and spill light in one direction.
RL-DFS3 Full Round Louver				 	Helps to limit glare and spill light in all directions.

DFS3 Series

DecoFlood Medium Round - 39-210W HID

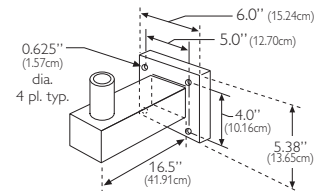
Type:	Job:	Page 9 of 12
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Swivel Mount Accessory Details (must be ordered separately) (F = specify finish)

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.

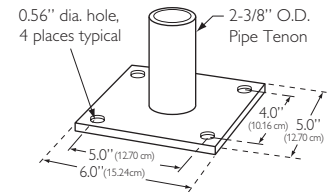
Suitable for mounting single luminaire only.
Mounting hardware by others.



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.

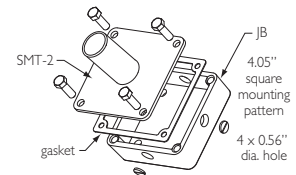
Single floodlight may be pad mounted or wall mounted.
Mounting hardware by others.



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.

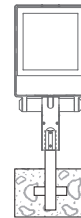


SM-18-(F) 18" Stanchion Mount

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

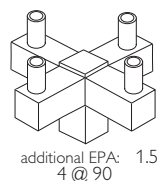
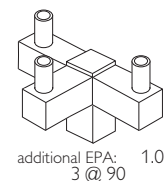
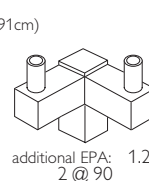
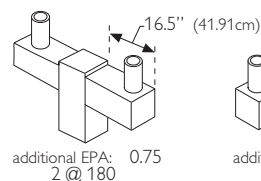
Vertically mounted 2-3/8" O.D. tenons welded to extruded aluminum arms with removable end cap for wiring. Arms bolted to cast aluminum pole top bracket. Fits poles having a 2-3/8" O.D. x 4" vertical tenon.

PTA-2090-16.5-(F) Pole Top Adapter, 2@90

Components shipped separately. Field assembly required.

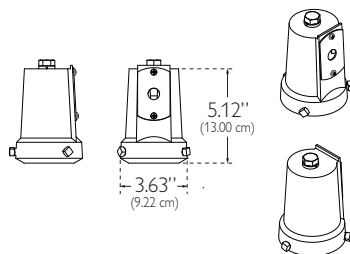
PTA-3090-16.5-(F) Pole Top Adapter, 3@90

PTA-4090-16.5-(F) Pole Top Adapter, 4@90

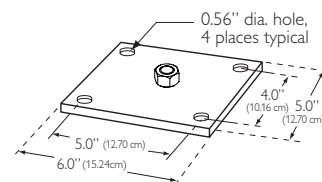


Yoke Mount Accessory Details (must be ordered separately) (F = specify finish)

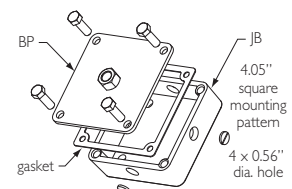
MF4-(F) Slip Fitter (fits 2-3/8" O.D. tenon)



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.



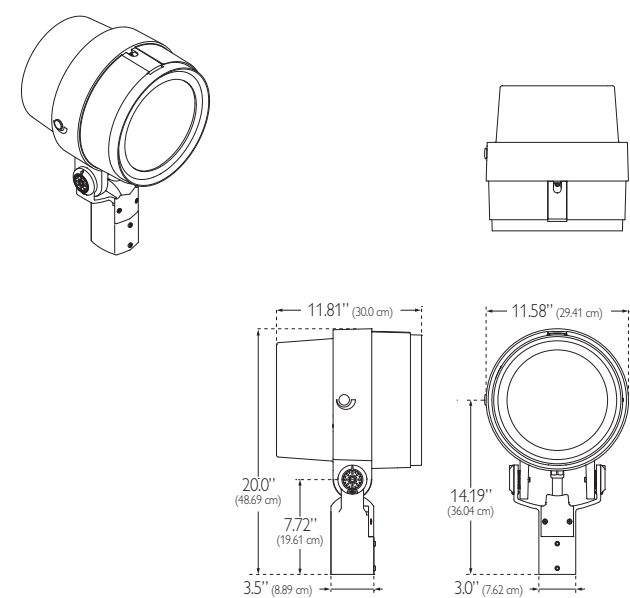
DFS3 Series

DecoFlood Medium Round - 39-210W HID

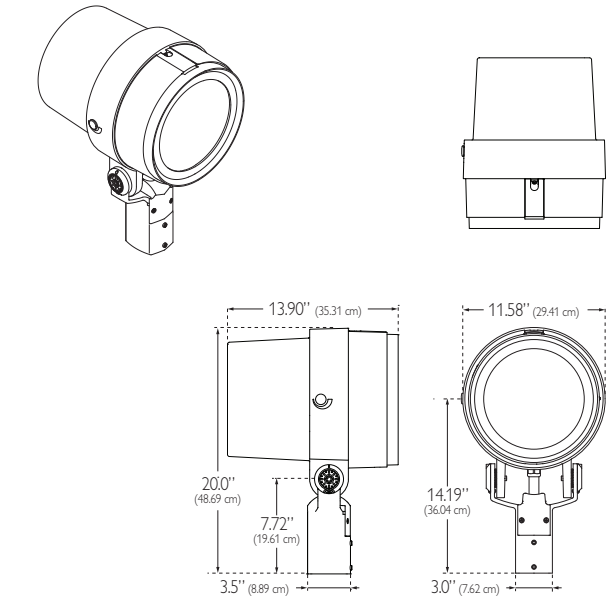
Type:	Job:	Page 10 of 12
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Style and Mounting Details

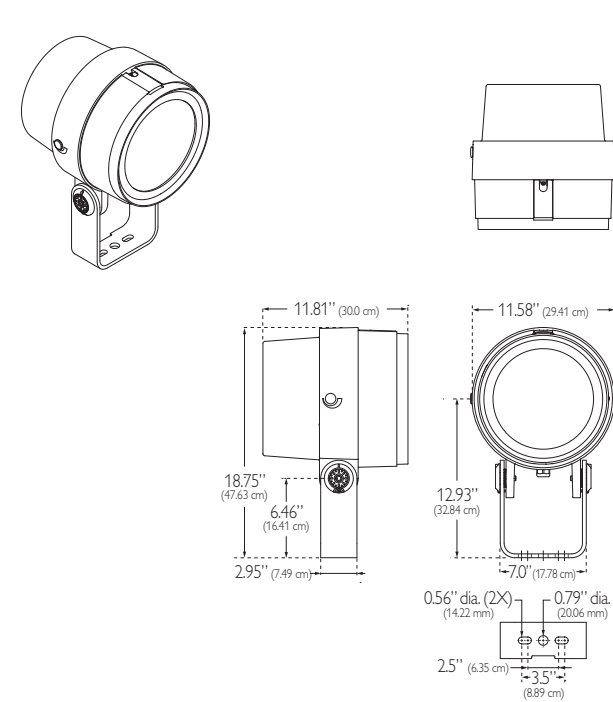
DFS3-SV



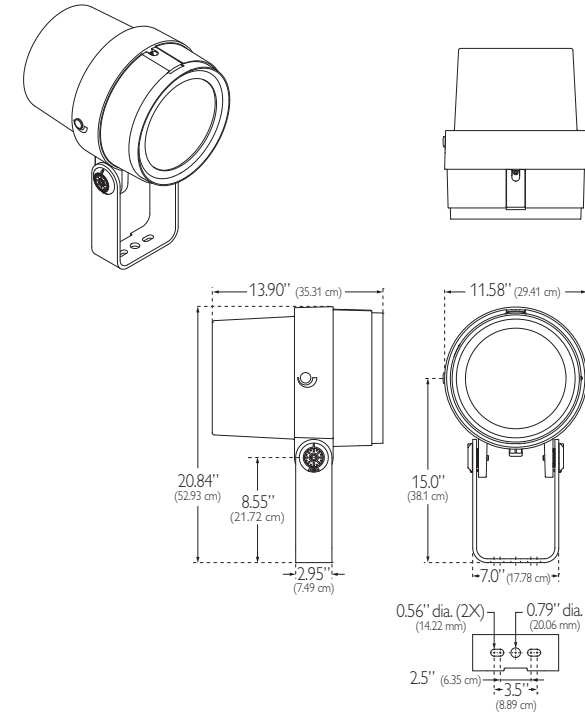
DFS3-SV (DFS3E-210 only)



DFS3-YK



DFS3-YK (DFS3E-210 only)



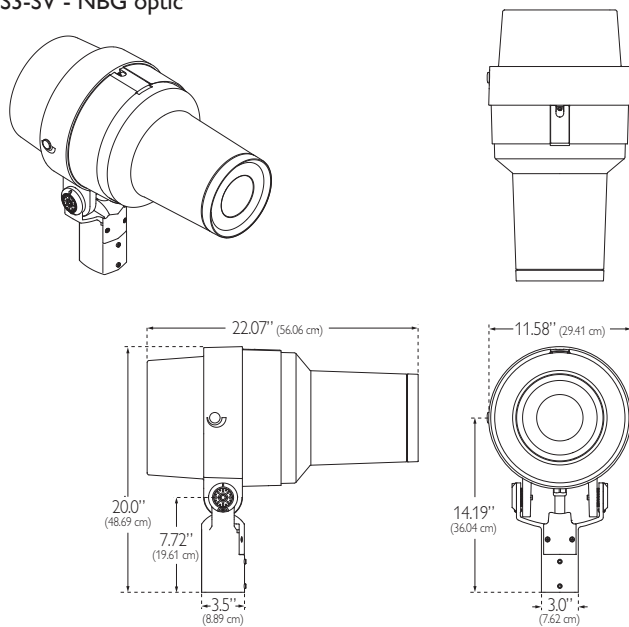
DFS3 Series

DecoFlood Medium Round - 39-210W HID

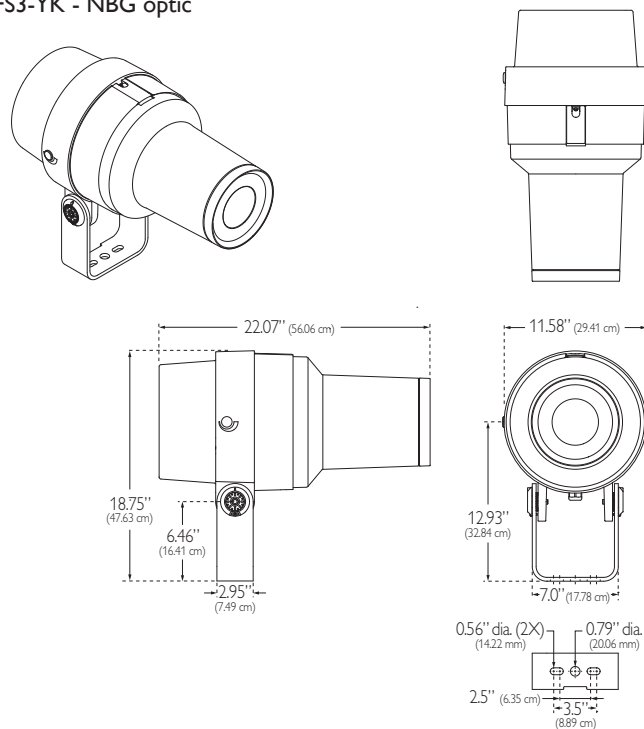
Type:	Job:	Page 11 of 12
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Style and Mounting Details (continued)

DFS3-SV - NBG optic

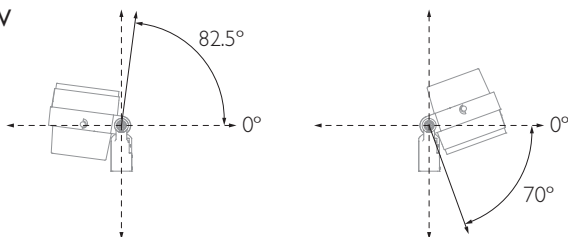


DFS3-YK - NBG optic

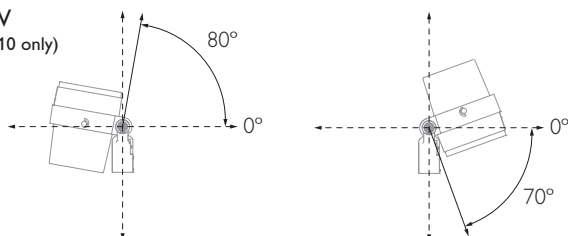


Aiming Diagrams (when mounted to a horizontal surface)

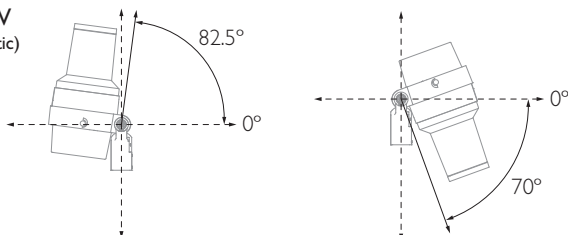
DFS3-SV



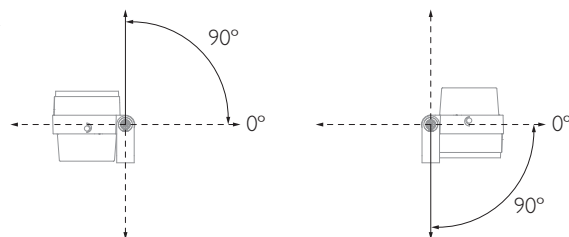
DFS3-SV
(DFS3E-210 only)



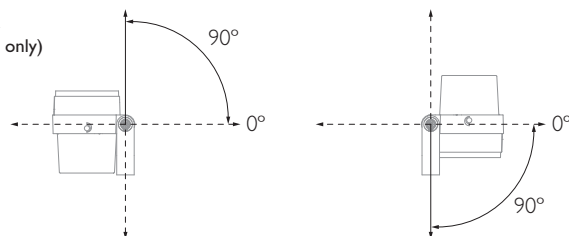
DFS3-SV
(NBG optic)



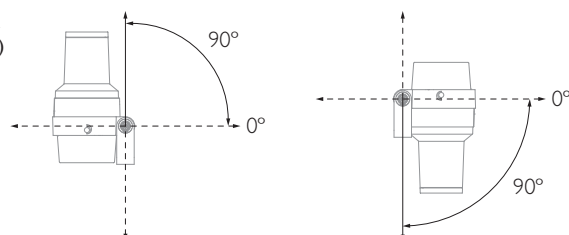
DFS3-YK



DFS3-YK
(DFS3E-210 only)



DFS3-YK
(NBG optic)



DFS3 Series

DecoFlood Medium Round - 39-210W HID

Type:	Job:	Page 12 of 12
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Notes



ISO 9001
Certified



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