

Decoflood

DFS4 Medium Square - 39-150W HID

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Features

Optical System / Available Distributions

SP	Spot Beam
NB	Narrow Beam
MB	Medium Beam
WB	Wide Beam
A45	Asymmetric 1
A60	Asymmetric 2

See optical data for details.

Housing / Construction

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 IP65 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

DFS4 'PT':	T6 CMH (pulse start) lamps, G12 base.
DFS4 'C':	CosmoPolis T6 lamps, PGZ12 base.
DFS4 'E':	MasterColor Elite T6 lamps, G12 base.
DFS4 'P':	ED17 PSMH lamps, medium base.
DFS4 'S':	BD17 HPS lamps, medium base.

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.
60-140W CosmoPolis and 39-150W MasterColor Elite units available with electronic ballast 'E' only.
39-150W T6 Ceramic Metal Halide 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

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.

Photocontrol:

Photocell 'PCB' option (not available in 480V).

Auxiliary / Emergency Lighting:

Hot Quart Restrike 'CSR' option and LiteMatic Hot/Cold Quartz Restrike 'LQ' and 'LQ1' options available (see exceptions).

LumiStep Dimming:

LumiStep 6, 8 or 10 dimming 'LS6', 'LS8' or 'LS10' options available with CosmoPolis lamp 'DFS4C' series only.

External Shielding:

Stone guard 'SG' option available.



Lens Options

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

Spread Lenses:

C	Beam Softener
D	Beam Spreader Horizontal
E	Beam Spreader Vertical

Colour Lenses:

F	Solgel Blue Filter
H	Solgel Light Blue Filter
I	Solgel Yellow Filter
J	Solgel Green Filter
K	Solgel Magenta Filter
M	Red Filter

Colour Temp Lenses:

N	Warm n°1 Solgel Filter
O	Warm n°2 Solgel Filter
P	Warm n°3 Solgel Filter
Q	Cool n°2 Solgel Filter
U	Cool n°3 Solgel Filter
V	Cool n°4 Solgel Filter

 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.

Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

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Finish

Luminaire Finish	Accessory Finish	Description
S	TWO	Two-Tone (dark grey, silver)
B	TBK	Textured Black
R	TDB	Textured Dark Bronze
A	TSA	Textured Satin Aluminum
W	TWHT	Textured White
G	TGN	Textured Green
T	TGR	Textured Grey

Accessories (ordered separately)

External Shielding:

Barn doors 'BD-DFS4', top shield 'TS-DFS4', four sided shield '4S-DFS4', three sided shield '3S-DFS4', horizontal louvers 'HL-DFS4', vertical louvers 'VL-DFS4', and eggcrate louvers 'EC-DFS4'. (Shielding is black unless otherwise specified).

Mounting Accessories: See Accessory Details.

Aiming (when mounted to horizontal surface)

DFS4-SV can be aimed 92.5° up or 92.5° down.

DFS4-YK can be aimed 90.0° up or 90.0° down.

See Aiming Diagrams.

Listings

cETLus Listed luminaire, to be, suitable for Wet Locations. The quality systems of this facility have been registered by UL to the ISO 9001 Series Standards.

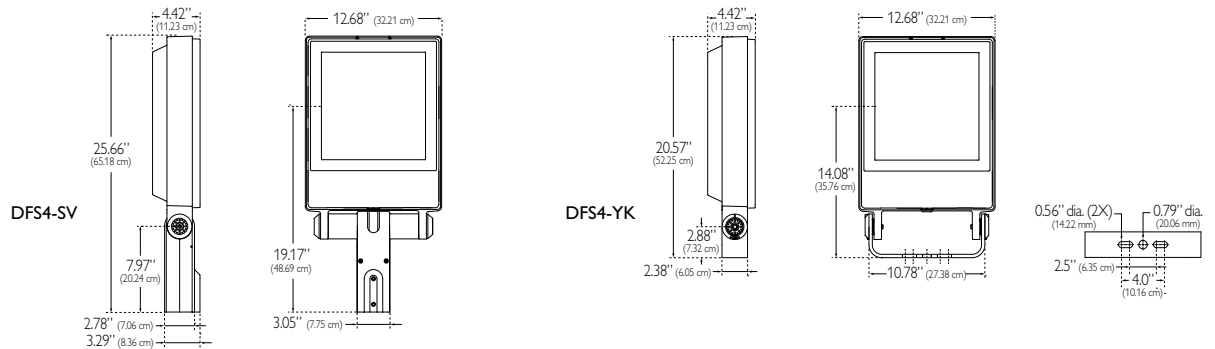
Warranty / Terms and Conditions

Standard 5 Year Limited Warranty.

Dimensions

For Reference Only

Weight: 31.0 lbs
(14.06 kgs)
EPA (sq ft): 1.6



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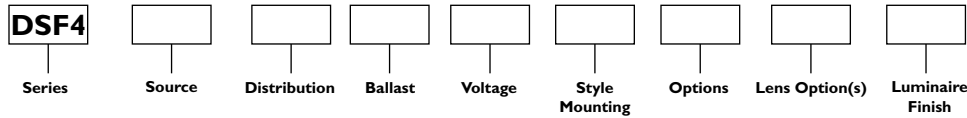
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Ordering information

Explanation of catalog number: Example: DFS4C60MBE1SVB



Series Source Distribution Ballast Voltage Style Options							Accessories (must be ordered separately)
☐ DFS4	T6 Ceramic Metal Halide ☐ PT39 ☐ PT70 ☐ PT150 CosmoPolis ☐ C60 ^{1,2,3,7} ☐ C90 ^{1,2,3,7} ☐ C140 ^{1,2,3,7} MasterColor Elite ☐ E39 ^{1,2,3} ☐ E70 ^{1,2,3} ☐ E100 ^{1,2,3} ☐ E150 ^{1,2,3} Pulse Start Metal Halide ☐ P70 ☐ P100 ☐ P150 High Pressure Sodium ☐ S70 ⁴ ☐ S100 ⁴ ☐ S150 ⁴	☐ SP ⁵ Spot Beam ☐ NB Narrow Beam ☐ MB Medium Beam ☐ WB Wide Beam ☐ A45 Asymmetric 1 ☐ A60 Asymmetric 2 See optical data tables for specific beam and candela information.	☐ E ¹ Electronic ☐ C ⁴ Core & Coil	☐ 1 120V ² ☐ 2 208V ☐ 3 240V ☐ 4 277V ☐ 6 347V ☐ 5 480V ^{1,2}	☐ SV Swivel ☐ YK Yoke	☐ F1 ⁶ Single Fuse (120/277/347V) ☐ F3 ⁶ Double Fuse (208/240/480V) (Canadian double pull) ☐ PCB ¹ Photocell Button (120-347V) ☐ CSR ^{5,6} Hot Quartz Restrike (no time delay) ☐ LQ ^{3,5,6} Litematic Hot/Cold Quartz Restrike ☐ LQ1 ^{5,6} Litematic Hot/Cold Quartz Restrike (separately wired) ☐ LS6 ⁷ LumiStep 6 Dimming (Cosmo only) ☐ LS8 ⁷ LumiStep 8 Dimming (Cosmo only) ☐ LS10 ⁷ LumiStep 10 Dimming (Cosmo only) ☐ SG Stone Guard (poly) External Shielding (pre-attached)	External Shielding Accessories (black unless otherwise specified) ☐ BD-DFS4 Barn Doors ☐ TS-DFS4 Top Shield (visor) ☐ 4S-DFS4 Four Sided Shield ☐ 3S-DFS4 Three Sided Shield ☐ HL-DFS4 Horizontal Louvers ☐ VL-DFS4 Vertical Louvers ☐ EC-DFS4 Eggcrate Louvers 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
	Lens Options (includes lens holder, holds up to two lenses) Spread Lenses⁸ ☐ C Beam Softener ☐ D Beam Spreader Horizontal ☐ E Beam Spreader Vertical ☐ F Solgel Blue Filter ☐ H Solgel Light Blue Filter ☐ I Solgel Yellow Filter ☐ J Solgel Green Filter ☐ K Solgel Magenta Filter ☐ M Red Filter Colour Temp Lenses⁸ ☐ N Warm n°1 Solgel Filter ☐ O Warm n°2 Solgel Filter ☐ P Warm n°3 Solgel Filter ☐ Q Cool n°2 Solgel Filter ☐ U Cool n°3 Solgel Filter ☐ V Cool n°4 Solgel Filter Finish ☐ S Two-Tone (dark gray, silver) ☐ B Textured Black ☐ R Textured Dark Bronze ☐ A Textured Satin Aluminum ☐ W Textured White ☐ G Textured Green ☐ T Textured Gray						

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Distribution Guide and Ballast Data

T6 CMH Pulse Start² Series/Source-Wattage	Lamp² / Base Axial orientation	Ballast Type	ANSI Code	Initial Lamp lm	Rated Life (hrs)	Line Current 120 / 208 / 240 / 277 / 347 / 480	Line Watts⁵
DFS4PT39	T6 / G12	Electronic	C130/E	3,300	12,000	0.38 / 0.25 / 0.21 / 0.18 / 0.18 / NA	46 / 56 ⁵
DFS4PT39	T6 / G12	HX-HPF	M130	3,300	12,000	0.90 / NA / NA / 0.40 / NA / NA	56
DFS4PT70	T6 / G12	Electronic	C139/E	6,600	12,000	0.70 / 0.46 / 0.38 / 0.31 / 0.31 / NA	80 / 90 ⁵
DFS4PT70	T6 / G12	HX-HPF	M98 / M143	6,600	12,000	1.90 / 1.04 / 0.90 / 0.80 / 0.70 / 0.50	95
DFS4PT150	T6 / G12	Electronic	C142/E	15,000	12,000	1.41 / 1.00 / 0.86 / 0.69 / 0.56 / NA	165 / 175 ⁵
DFS4PT150	T6 / G12	HX-HPF	M102 / M142	15,000	12,000	3.70 / 2.10 / 1.80 / 1.60 / 1.30 / 1.00	185
CosmoPolis³ Series/Source-Wattage	Lamp³ / Base Horiz. orientation	Ballast Type	CosmoPolis Ballast Code	Initial Lamp lm	Rated Life (hrs)	Line Current 120 / 208 / 240 / 277 / 347 / 480	Line Watts⁵
DFS4C60	T6 / PGZ12	Electronic	ICW60NLS	6,900	30,000	NA / 0.32 / 0.28 / 0.24 / 0.25 / NA	67 / 77 ⁵
DFS4C90	T6 / PGZ12	Electronic	ICW90MLS	10,450	30,000	NA / 0.47 / 0.41 / 0.35 / 0.35 / NA	99 / 109 ⁵
DFS4C140	T6 / PGZ12	Electronic	ICW140MLS	16,500	30,000	NA / 0.75 / 0.67 / 0.57 / 0.52 / NA	153 / 163 ⁵
MasterColor Elite⁴ Series/Source-Wattage	Lamp⁴ / Base Horiz. orientation	Ballast Type	ANSI Code	Initial Lamp lm	Rated Life (hrs)	Line Current 120 / 208 / 240 / 277 / 347 / 480	Line Watts⁵
DFS4E39	T6 / G12	Electronic	C130/E	3,500	12,000	0.38 / 0.25 / 0.21 / 0.18 / 0.18 / NA	46 / 56 ⁵
DFS4E70	T6 / G12	Electronic	C139/E	7,300	12,000	0.70 / 0.46 / 0.38 / 0.31 / 0.31 / NA	80 / 90 ⁵
DFS4E100	T6 / G12	Electronic	C90/E	11,000	15,000	0.98 / 0.67 / 0.52 / 0.42 / 0.42 / NA	116 / 126 ⁵
DFS4E150	T6 / G12	Electronic	C142/E	15,000	12,000	1.41 / 1.00 / 0.86 / 0.69 / 0.56 / NA	165 / 175 ⁵
Pulse Start Metal Halide Series/Source-Wattage	Lamp / Base Horiz. orientation	Ballast Type	ANSI Code	Initial Lamp lm	Rated Life (hrs)	Line Current 120 / 208 / 240 / 277 / 347 / 480	Line Watts⁵
DFS4P70	ED17 / medium	Electronic	M98 / M139 / M143	6,200	20,000	0.70 / 0.48 / 0.40 / 0.31 / 0.31 / NA	83 / 93 ⁵
DFS4P70	ED17 / medium	HX-HPF	M98 / M143	6,200	20,000	1.90 / 1.04 / 0.90 / 0.80 / 0.70 / 0.50	95
DFS4P100	ED17 / medium	Electronic	M90 / M140	9,500	20,000	0.98 / 0.67 / 0.52 / 0.42 / 0.42 / NA	116 / 126 ⁵
DFS4P100	ED17 / medium	HX-HPF	M90 / M140	9,500	20,000	2.80 / 1.40 / 1.40 / 1.20 / 1.00 / 0.62	130
DFS4P150	ED17 / medium	Electronic	M102 / M142	14,000	20,000	1.41 / 1.00 / 0.86 / 0.69 / 0.56 / NA	165 / 175 ⁵
DFS4P150	ED17 / medium	HX-HPF	M102 / M142	14,000	20,000	3.70 / 2.10 / 1.80 / 1.60 / 1.30 / 1.00	185

Job Information

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High Pressure Sodium Series/Source-Wattage	Lamp / Base Horiz. orientation	Ballast Type	ANSI Code	Initial Lamp lm	Rated Life (hrs)	Line Current	Line Watts
						120 / 208 / 240 / 277 / 347 / 480	
DFS4S70	BD17 / medium	HX-HPF	S62	6,300	24,000	1.70 / 1.00 / 0.90 / 0.80 / 0.60 / 0.40	94
DFS4S100	BD17 / medium	HX-HPF	S54	9,500	24,000	2.30 / 1.30 / 1.10 / 1.00 / 0.70 / 0.60	135
DFS4S150	BD17 / medium	HX-HPF	S55	16,000	24,000	3.20 / 1.70 / 1.60 / 1.40 / 1.10 / 0.72	195

Notes

- Line watts with electronic ballast: 120-277V / 347V
CosmoPolis series only:
Line watts with electronic ballast: 208-277V / 347V
- 'DFS4PT' series MasterColor ceramic metal halide lamps: CCT of 3000 K.
39W: MasterColor CDM-T 35W/830T6 CRI: 81
70W: MasterColor CDM-T 70W/830T6 CRI: 84
150W: MasterColor CDM-T 150W/830T6 CRI: 88
- CosmoPolis lamps: CPO-TW (wattage)/728 with CCT of 2800 K and CRI of 70.
Wattage specific Philips Advance CosmoPolis ballast is standard.
With 'LS6', 'LS8', or 'LS10' options, Philips Advance LumiStep dimming ballasts are required.
- 'DFS4E' series MasterColor Elite ceramic metal halide lamps: CCT of 3000 K.
39W: MasterColor CDM-T Elite 35W/930 /T6 CRI: 90
70W: MasterColor CDM-T Elite 70W/930 /T6 CRI: 90
100W: MasterColor CDM-T Elite 100W/930 /T6 CRI: 90
150W: MasterColor CDM-T Elite 150W/930 /T6 CRI: 90
- Line watts with electronic ballast: 120-277V / 347V
CosmoPolis series only: Line watts with electronic ballast: 208-277V / 347V

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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)													
DFS4PT39	SP	3,300	47,795	8.1°	6.4°	21.9°	15.8°	2H	1V	T6	G12	Horiz.	DFS4PT-39-SP.IES
	NB	3,300	4,367	80.9°	12.4°	133.5°	27.2°	7H	2V	T6	G12	Horiz.	DFS4PT-39-NB.IES
	MB	3,300	2,155	84.3°	26.0°	141.0°	125.6°	7H	6V	T6	G12	Horiz.	DFS4PT-39-MB.IES
	WB	3,300	1,392	92.0°	55.5°	145.8°	134.2°	7H	7V	T6	G12	Horiz.	DFS4PT-39-WB.IES
	A45	3,300	2,364	74.6°	18.7°	112.0°	123.6°	6H	6V	T6	G12	Horiz.	DFS4PT-39-A45.IES
	A60	3,300	1,853	78.1°	29.8°	111.7°	127.4°	6H	6V	T6	G12	Horiz.	DFS4PT-39-A60.IES
DFS4PT70	SP	6,600	95,590	8.1°	6.4°	21.9°	15.8°	2H	1V	T6	G12	Horiz.	DFS4PT-70-SP.IES
	NB	6,600	8,733	80.9°	12.4°	133.5°	27.2°	7H	2V	T6	G12	Horiz.	DFS4PT-70-NB.IES
	MB	6,600	4,309	84.3°	26.0°	141.0°	125.6°	7H	6V	T6	G12	Horiz.	DFS4PT-70-MB.IES
	WB	6,600	2,783	92.0°	55.5°	145.8°	134.2°	7H	7V	T6	G12	Horiz.	DFS4PT-70-WB.IES
	A45	6,600	4,729	74.6°	18.7°	112.0°	123.6°	6H	6V	T6	G12	Horiz.	DFS4PT-70-A45.IES
	A60	6,600	3,705	78.1°	29.8°	111.7°	127.4°	6H	6V	T6	G12	Horiz.	DFS4PT-70-A60.IES
DFS4PT150	SP	15,000	202,768	8.1°	6.4°	21.9°	15.8°	2H	1V	T6	G12	Horiz.	DFS4PT-150-SP.IES
	NB	15,000	18,524	80.9°	12.4°	133.5°	27.2°	7H	2V	T6	G12	Horiz.	DFS4PT-150-NB.IES
	MB	15,000	9,140	84.3°	26.0°	141.0°	125.6°	7H	6V	T6	G12	Horiz.	DFS4PT-150-MB.IES
	WB	15,000	5,905	92.0°	55.5°	145.8°	134.2°	7H	7V	T6	G12	Horiz.	DFS4PT-150-WB.IES
	A45	15,000	10,031	74.6°	18.7°	112.0°	123.6°	6H	6V	T6	G12	Horiz.	DFS4PT-150-A45.IES
	A60	15,000	7,860	78.1°	29.8°	111.7°	127.4°	6H	6V	T6	G12	Horiz.	DFS4PT-150-A60.IES
DFS4C60	SP	6,900	70,801	9.8°	7.1°	29.4°	15.4°	3H	1V	T6	PGZ12	Horiz.	DFS4C-60-SP.IES
	NB	6,900	9,174	80.7°	12.9°	133.9°	30.2°	7H	7V	T6	PGZ12	Horiz.	DFS4C-60-NB.IES
	MB	6,900	4,886	84.6°	25.9°	140.4°	126.2°	7H	6V	T6	PGZ12	Horiz.	DFS4C-60-MB.IES
	WB	6,900	2,798	93.5°	59.4°	145.4°	140.0°	7H	7V	T6	PGZ12	Horiz.	DFS4C-60-WB.IES
	A45	6,900	5,265	75.0°	16.1°	109.9°	123.1°	6H	6V	T6	PGZ12	Horiz.	DFS4C-60-A45.IES
	A60	6,900	3,803	75.6°	30.2°	109.7°	130.5°	6H	7V	T6	PGZ12	Horiz.	DFS4C-60-A60.IES
DFS4C90	SP	10,450	107,228	9.8°	7.1°	29.4°	15.4°	3H	1V	T6	PGZ12	Horiz.	DFS4C-90-SP.IES
	NB	10,450	13,894	80.7°	12.9°	133.9°	30.2°	7H	7V	T6	PGZ12	Horiz.	DFS4C-90-NB.IES
	MB	10,450	7,399	84.6°	25.9°	140.4°	126.2°	7H	6V	T6	PGZ12	Horiz.	DFS4C-90-MB.IES
	WB	10,450	4,237	93.5°	59.4°	145.4°	140.0°	7H	7V	T6	PGZ12	Horiz.	DFS4C-90-WB.IES
	A45	10,450	8,519	75.0°	16.1°	109.9°	123.1°	6H	6V	T6	PGZ12	Horiz.	DFS4C-90-A45.IES
	A60	10,450	5,759	75.6°	30.2°	109.7°	130.5°	6H	7V	T6	PGZ12	Horiz.	DFS4C-90-A60.IES
DFS4C140	SP	16,500	169,307	9.8°	7.1°	29.4°	15.4°	3H	1V	T6	PGZ12	Horiz.	DFS4C-140-SP.IES
	NB	16,500	21,938	80.7°	12.9°	133.9°	30.2°	7H	7V	T6	PGZ12	Horiz.	DFS4C-140-NB.IES
	MB	16,500	11,683	84.6°	25.9°	140.4°	126.2°	7H	6V	T6	PGZ12	Horiz.	DFS4C-140-MB.IES
	WB	16,500	6,690	93.5°	59.4°	145.4°	140.0°	7H	7V	T6	PGZ12	Horiz.	DFS4C-140-WB.IES
	A45	16,500	13,450	75.0°	16.1°	109.9°	123.1°	6H	6V	T6	PGZ12	Horiz.	DFS4C-140-A45.IES
	A60	16,500	9,093	75.6°	30.2°	109.7°	130.5°	6H	7V	T6	PGZ12	Horiz.	DFS4C-140-A60.IES

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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)													
DFS4E39	SP	3,500	50,692	8.1°	6.4°	21.9°	15.8°	2H	1V	T6	G12	Horiz.	DFS4E-39-SP.IES
	NB	3,500	4,631	80.9°	12.4°	133.5°	27.2°	7H	2V	T6	G12	Horiz.	DFS4E-39-NB.IES
	MB	3,500	2,285	84.3°	26.0°	141.0°	125.6°	7H	6V	T6	G12	Horiz.	DFS4E-39-MB.IES
	WB	3,500	1,476	92.0°	55.5°	145.8°	134.2°	7H	7V	T6	G12	Horiz.	DFS4E-39-WB.IES
	A45	3,500	2,508	74.6°	18.7°	112.0°	123.6°	6H	6V	T6	G12	Horiz.	DFS4E-39-A45.IES
	A60	3,500	1,965	78.1°	29.8°	111.7°	127.4°	6H	6V	T6	G12	Horiz.	DFS4E-39-A60.IES
DFS4E70	SP	7,300	105,729	8.1°	6.4°	21.9°	15.8°	2H	1V	T6	G12	Horiz.	DFS4E-70-SP.IES
	NB	7,300	9,659	80.9°	12.4°	133.5°	27.2°	7H	2V	T6	G12	Horiz.	DFS4E-70-NB.IES
	MB	7,300	4,766	84.3°	26.0°	141.0°	125.6°	7H	6V	T6	G12	Horiz.	DFS4E-70-MB.IES
	WB	7,300	3,079	92.0°	55.5°	145.8°	134.2°	7H	7V	T6	G12	Horiz.	DFS4E-70-WB.IES
	A45	7,300	5,230	74.6°	18.7°	112.0°	123.6°	6H	6V	T6	G12	Horiz.	DFS4E-70-A45.IES
	A60	7,300	4,098	78.1°	29.8°	111.7°	127.4°	6H	6V	T6	G12	Horiz.	DFS4E-70-A60.IES
DFS4E100	SP	11,000	159,317	8.1°	6.4°	21.9°	15.8°	2H	1V	T6	G12	Horiz.	DFS4E-100-SP.IES
	NB	11,000	14,555	80.9°	12.4°	133.5°	27.2°	7H	2V	T6	G12	Horiz.	DFS4E-100-NB.IES
	MB	11,000	7,182	84.3°	26.0°	141.0°	125.6°	7H	6V	T6	G12	Horiz.	DFS4E-100-MB.IES
	WB	11,000	4,640	92.0°	55.5°	145.8°	134.2°	7H	7V	T6	G12	Horiz.	DFS4E-100-WB.IES
	A45	11,000	7,881	74.6°	18.7°	112.0°	123.6°	6H	6V	T6	G12	Horiz.	DFS4E-100-A45.IES
	A60	11,000	6,176	78.1°	29.8°	111.7°	127.4°	6H	6V	T6	G12	Horiz.	DFS4E-100-A60.IES
DFS4E150	SP	15,000	217,251	8.1°	6.4°	21.9°	15.8°	2H	1V	T6	G12	Horiz.	DFS4E-150-SP.IES
	NB	15,000	19,848	80.9°	12.4°	133.5°	27.2°	7H	2V	T6	G12	Horiz.	DFS4E-150-NB.IES
	MB	15,000	9,793	84.3°	26.0°	141.0°	125.6°	7H	6V	T6	G12	Horiz.	DFS4E-150-MB.IES
	WB	15,000	6,326	92.0°	55.5°	145.8°	134.2°	7H	7V	T6	G12	Horiz.	DFS4E-150-WB.IES
	A45	15,000	10,747	74.6°	18.7°	112.0°	123.6°	6H	6V	T6	G12	Horiz.	DFS4E-150-A45.IES
	A60	15,000	8,421	78.1°	29.8°	111.7°	127.4°	6H	6V	T6	G12	Horiz.	DFS4E-150-A60.IES

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DFS4 Medium Square - 39-150W HID

Optical Data (continued)

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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													
DFS4P70	SP	6,200	89,797	8.1°	6.4°	21.9°	15.8°	2H	1V	ED17	MED	Horiz.	DFS4P-70-SP.IES
	NB	6,200	8,204	80.9°	12.4°	133.5°	27.2°	7H	2V	ED17	MED	Horiz.	DFS4P-70-NB.IES
	MB	6,200	4,048	84.3°	26.0°	141.0°	125.6°	7H	6V	ED17	MED	Horiz.	DFS4P-70-MB.IES
	WB	6,200	2,615	92.0°	55.5°	145.8°	134.2°	7H	7V	ED17	MED	Horiz.	DFS4P-70-WB.IES
	A45	6,200	4,442	74.6°	18.7°	112.0°	123.6°	6H	6V	ED17	MED	Horiz.	DFS4P-70-A45.IES
	A60	6,200	3,481	78.1°	29.8°	111.7°	127.4°	6H	6V	ED17	MED	Horiz.	DFS4P-70-A60.IES
DFS4P100	SP	9,500	137,592	8.1°	6.4°	21.9°	15.8°	2H	1V	ED17	MED	Horiz.	DFS4P-100-SP.IES
	NB	9,500	12,570	80.9°	12.4°	133.5°	27.2°	7H	2V	ED17	MED	Horiz.	DFS4P-100-NB.IES
	MB	9,500	6,202	84.3°	26.0°	141.0°	125.6°	7H	6V	ED17	MED	Horiz.	DFS4P-100-MB.IES
	WB	9,500	4,007	92.0°	55.5°	145.8°	134.2°	7H	7V	ED17	MED	Horiz.	DFS4P-100-WB.IES
	A45	9,500	6,807	74.6°	18.7°	112.0°	123.6°	6H	6V	ED17	MED	Horiz.	DFS4P-100-A45.IES
	A60	9,500	5,334	78.1°	29.8°	111.7°	127.4°	6H	6V	ED17	MED	Horiz.	DFS4P-100-A60.IES
DFS4P150	SP	14,000	202,768	8.1°	6.4°	21.9°	15.8°	2H	1V	ED17	MED	Horiz.	DFS4P-150-SP.IES
	NB	14,000	18,525	80.9°	12.4°	133.5°	27.2°	7H	2V	ED17	MED	Horiz.	DFS4P-150-NB.IES
	MB	14,000	9,140	84.3°	26.0°	141.0°	125.6°	7H	6V	ED17	MED	Horiz.	DFS4P-150-MB.IES
	WB	14,000	5,905	92.0°	55.5°	145.8°	134.2°	7H	7V	ED17	MED	Horiz.	DFS4P-150-WB.IES
	A45	14,000	10,031	74.6°	18.7°	112.0°	123.6°	6H	6V	ED17	MED	Horiz.	DFS4P-150-A45.IES
	A60	14,000	7,860	78.1°	29.8°	111.7°	127.4°	6H	6V	ED17	MED	Horiz.	DFS4P-150-A60.IES
High Pressure Sodium													
DFS4S70	SP	6,300	34,225	15.6°	9.5°	40.1°	19.7°	3H	2V	BD17	MED	Horiz.	DFS4S-70-SP.IES
	NB	6,300	8,104	80.2°	12.4°	130.3°	65.4°	7H	4V	BD17	MED	Horiz.	DFS4S-70-NB.IES
	MB	6,300	4,474	84.0°	25.5°	137.5°	129.4°	7H	6V	BD17	MED	Horiz.	DFS4S-70-MB.IES
	WB	6,300	2,672	91.2°	58.5°	142.7°	136.3°	7H	7V	BD17	MED	Horiz.	DFS4S-70-WB.IES
	A45	6,300	5,010	74.6°	16.0°	109.7°	123.6°	6H	6V	BD17	MED	Horiz.	DFS4S-70-A45.IES
	A60	6,300	3,273	76.7°	31.7°	107.9°	129.1°	6H	6V	BD17	MED	Horiz.	DFS4S-70-A60.IES
DFS4S100	SP	9,500	51,610	15.6°	9.5°	40.1°	19.7°	3H	2V	BD17	MED	Horiz.	DFS4S-100-SP.IES
	NB	9,500	12,221	80.2°	12.4°	130.3°	65.4°	7H	4V	BD17	MED	Horiz.	DFS4S-100-NB.IES
	MB	9,500	6,746	84.0°	25.5°	137.5°	129.4°	7H	6V	BD17	MED	Horiz.	DFS4S-100-MB.IES
	WB	9,500	4,029	91.2°	58.5°	142.7°	136.3°	7H	7V	BD17	MED	Horiz.	DFS4S-100-WB.IES
	A45	9,500	7,554	74.6°	16.0°	109.7°	123.6°	6H	6V	BD17	MED	Horiz.	DFS4S-100-A45.IES
	A60	9,500	4,936	76.7°	31.7°	107.9°	129.1°	6H	6V	BD17	MED	Horiz.	DFS4S-100-A60.IES
DFS4S150	SP	16,000	86,921	15.6°	9.5°	40.1°	19.7°	3H	2V	BD17	MED	Horiz.	DFS4S-150-SP.IES
	NB	16,000	20,582	80.2°	12.4°	130.3°	65.4°	7H	4V	BD17	MED	Horiz.	DFS4S-150-NB.IES
	MB	16,000	11,362	84.0°	25.5°	137.5°	129.4°	7H	6V	BD17	MED	Horiz.	DFS4S-150-MB.IES
	WB	16,000	6,786	91.2°	58.5°	142.7°	136.3°	7H	7V	BD17	MED	Horiz.	DFS4S-150-WB.IES
	A45	16,000	12,773	74.6°	16.0°	109.7°	123.6°	6H	6V	BD17	MED	Horiz.	DFS4S-150-A45.IES
	A60	16,000	8,313	76.7°	31.7°	107.9°	129.1°	6H	6V	BD17	MED	Horiz.	DFS4S-150-A60.IES

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Job Information

Type:

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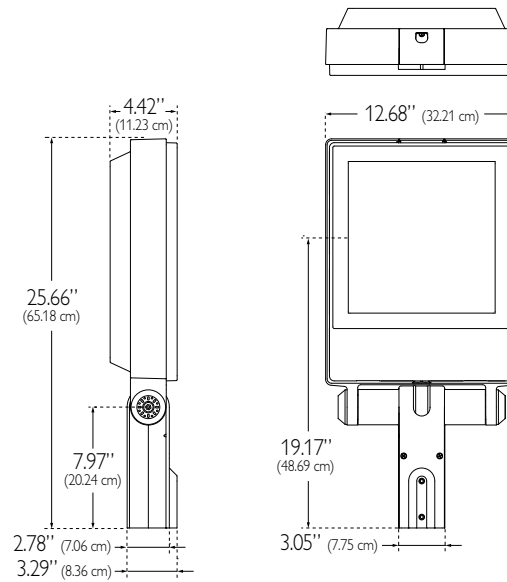
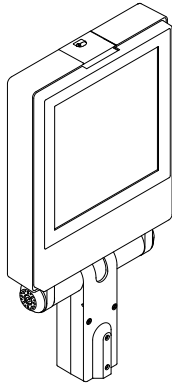
Decoflood

DFS4 Medium Square - 39-150W HID

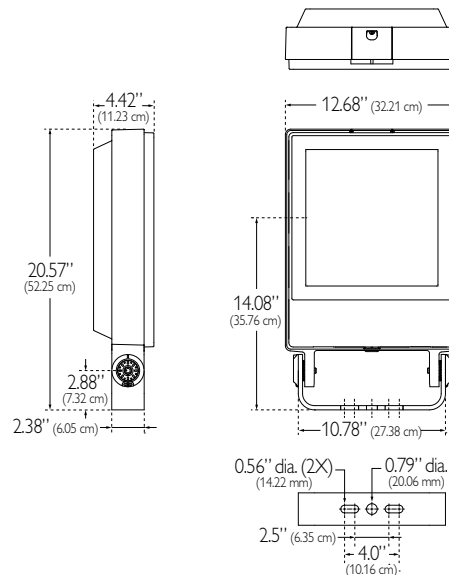
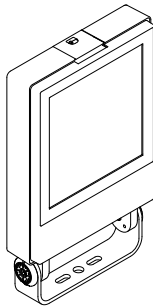
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Style and Mounting Details

DFS4-SV



DFS4-YK



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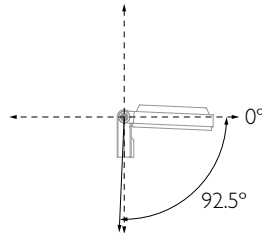
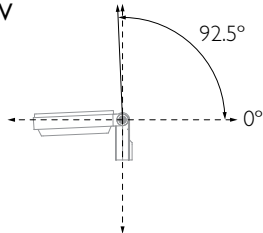
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DFS4 Medium Square - 39-150W HID

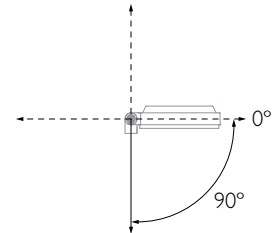
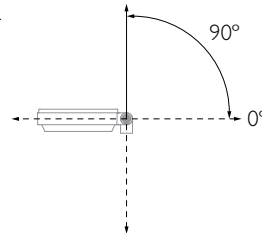
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Aiming Diagrams (when mounted to a horizontal surface)

DFS4-SV



DFS4-YK



Option Details (factory installed)

Ballast Fusing

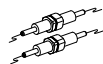
F1¹

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



F3¹

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



Photocontrol

PCB

Photocell button
(120-347V)
(Voltage must be specified)
(ships installed)

Auxiliary / Emergency Lighting (150W quartz lamp, standard)

Combined quartz wattage may not exceed HID lamp wattage. 120V double contact bayonet base. 'LQ1' requires an interlock by others to ensure HID and quartz source are not operated together.

CSR^{1,2}



Hot Quartz Restrike (no time delay)
(using current sensing relay)

Auxiliary quartz lamp is extinguished when main HID lamp strikes.

Activation: At (initial) Cold Start or Restrike (after a momentary "Brown Out" or extended "Black Out" power interruption), through Run Down.

LQ^{1,2,3}



LiteMatic Hot/Cold Quartz Restrike

Provides LiteMatic quartz auxiliary operation for fixtures with 120V or multi-tap ballasts. 120V auxiliary LiteMatic quartz lamp power supplied by ballast (AC line voltage).

Quartz lamp remains on for three minutes after main HID lamp strikes and reaches approximately 40% light output.

Activation: At (initial) Cold Start or Restrike (after a momentary "Brown Out" or extended "Black Out" power interruption), through Run Down, Restrike and Ramp Up.

LQ1^{1,2}



LiteMatic Hot/Cold Quartz Restrike
(separately wired) (120V)

Externally controlled emergency lighting from a separate power source. Quartz lamp is extinguished once power is restored.

To ensure integrity of the emergency lighting system, LQ1 leads should be hardwired.

Activation: At "Black Out" conditions only. Normal HID operation will occur at all other times.

CSR Auxiliary Quartz Operation



Normal Start:
Quartz lamp energized until main HID lamp strikes.



HID Lamp Reaches Full Brightness: Auxiliary quartz lamp extinguished when main HID lamp strikes. (Takes 3 minutes to reach approx. 40% brightness.)

LQ Auxiliary LiteMatic Quartz Operation



Normal Start:
Quartz lamp energized at initial cold start or at restrike after a temporary power interruption.



Quartz Lamp Remains on during Ramp Up: Besides providing illumination while the main HID lamp reaches full brightness, the warmth provided by the quartz lamp helps to create a favorable restrike condition for the main HID lamp (useful in extreme cold temperatures).

LQ1 Emergency Quartz Operation



At AC Power Interruption:
During AC line voltage power interruption, auxiliary quartz lamp is automatically energized by separately wired power source.



Once Power is Restored, Quartz Lamp Automatically Extinguishes: Used specifically for emergency lighting during "Black Out" periods, or times of extended power interruption. (Takes approximately 3 minutes for HID lamp to reach full brightness.)

Notes: 1. Fusing not available with any restrike options ('CSR', 'LQ', 'LQ1')

2. 'SP' optics not available with any restrike options ('CSR', 'LQ', 'LQ1')

3. 'LQ' restrike option not available with CosmoPolis or MasterColor Elite lamps.

Electronic Dimming Available for CosmoPolis lamps 'DFS4C' only

LS6

LumiStep 6 Dimming

LS8

LumiStep 8 Dimming

LS10

LumiStep 10 Dimming

LumiStep is a self programmed smart off-peak dimming system that continuously calibrates the midpoint time of the system's operating schedule during the calendar year and dims the lamp to 75% for the 60W and 60% for the 90 and 140W CosmoPolis lamp. During off-peak hours 'LS6' will dim for a maximum of 6 hours after the midpoint time event. 'LS8' will dim for a maximum of 8 hours, 2 hours before the midpoint time event and 6 hours after. 'LS10' will dim for a maximum of 10 hours, 4 hours before the midpoint time event and 6 hours after. If the fixture is operating for more than 6 hours after the midpoint time event, the system will return to 100% high mode.

External Shielding Pre-attached

SG

Stone Guard (poly)

(ships installed with External Lens Holder)
(see Lens Option Details)

Job Information

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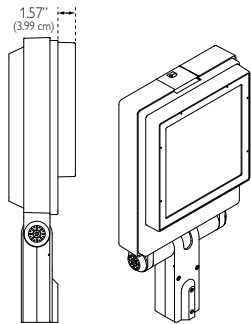
DFS4 Medium Square - 39-150W HID

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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 colour or colour temp lens. Beam images are for reference only.

Clear Glass (standard)



beam is unchanged

C

Beam Softener



softens beam in both directions

D

Beam Spreader Horizontal



unidirectional horizontal beam spreader

E

Beam Spreader Vertical



unidirectional vertical beam spreader

Colour Lenses

F

Solgel Blue Filter

Lee/Rosco equivalent: Medium blue 132

H

Solgel Light Blue Filter

Lee/Rosco equivalent: Marine blue 131

I

Solgel Yellow Filter

Lee/Rosco equivalent: Yellow 101

J

Solgel Green Filter

Lee/Rosco equivalent: Primary green 139

K

Solgel Magenta Filter

Lee/Rosco equivalent: Calcolor Pink 4890

M

Red Filter

Lee equivalent: Fire 019

Colour Temp Lenses

N

Warm n°1 Solgel Filter

installed lamp CCT (no filter)	approx. % change with filter	resulting CCT with filter
3000 K	-23.3%	2300 K
3000 K	-16.7%	2500 K
3000 K	-10.0%	2700 K
3000 K	+26.7%	3800 K
3000 K	+16.7%	3500 K
3000 K	+10.0%	3300 K

O

Warm n°2 Solgel Filter

P

Warm n°3 Solgel Filter

Q

Cool n°2 Solgel Filter

U

Cool n°3 Solgel Filter

V

Cool n°4 Solgel Filter

Colour Temp Lenses are used to adjust the colour 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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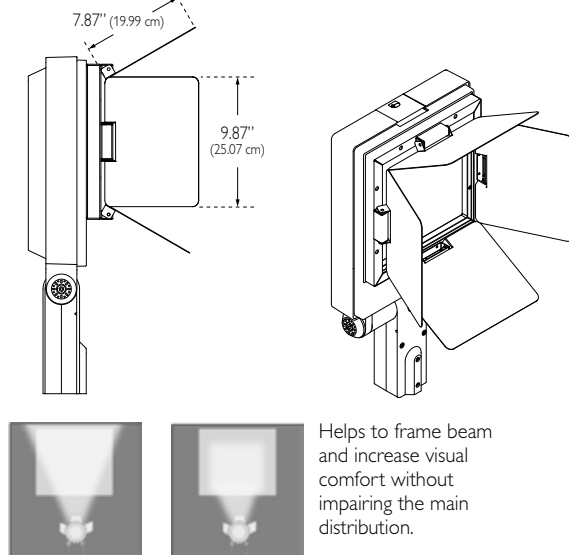
DFS4 Medium Square - 39-150W HID

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

BD-DFS4

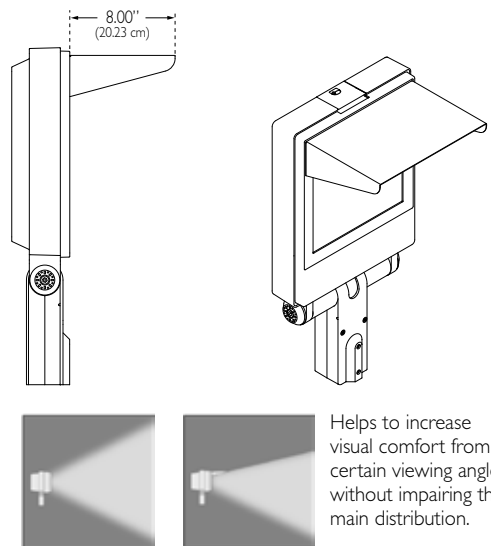
Barn Doors



Helps to frame beam and increase visual comfort without impairing the main distribution.

TS-DFS4

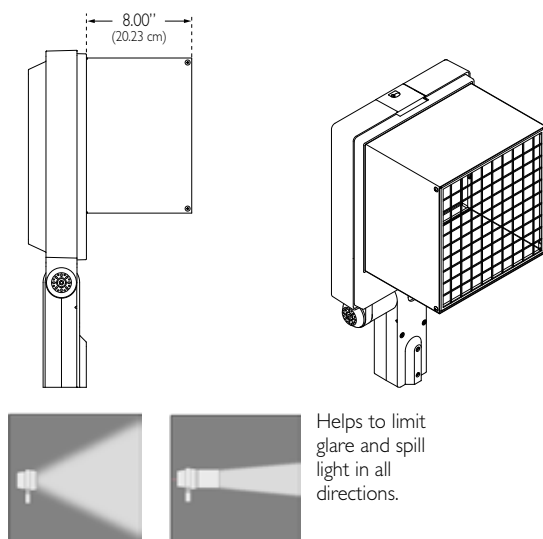
Top Shield (visor)



Helps to increase visual comfort from certain viewing angles without impairing the main distribution.

4S-DFS4

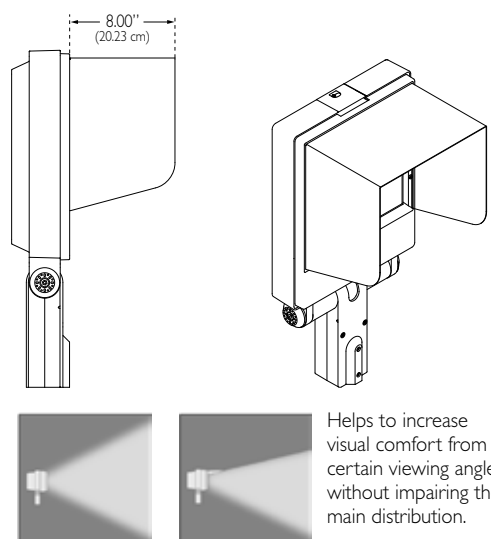
Four Sided Shield



Helps to limit glare and spill light in all directions.

3S-DFS4

Three Sided Shield



Helps to increase visual comfort from certain viewing angles without impairing the main distribution.

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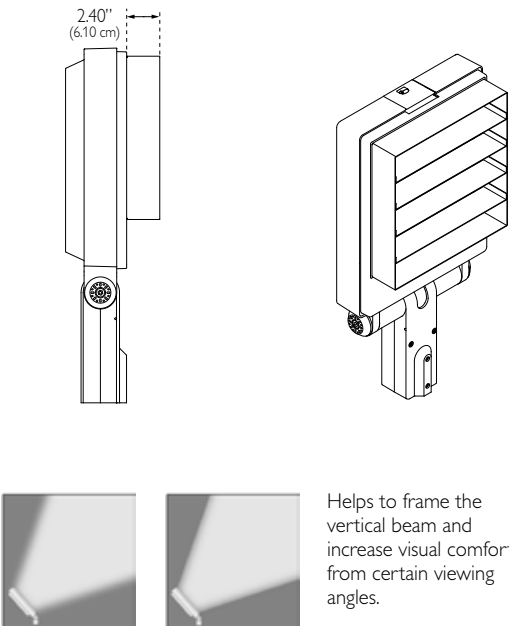
Decoflood

DFS4 Medium Square - 39-150W HID

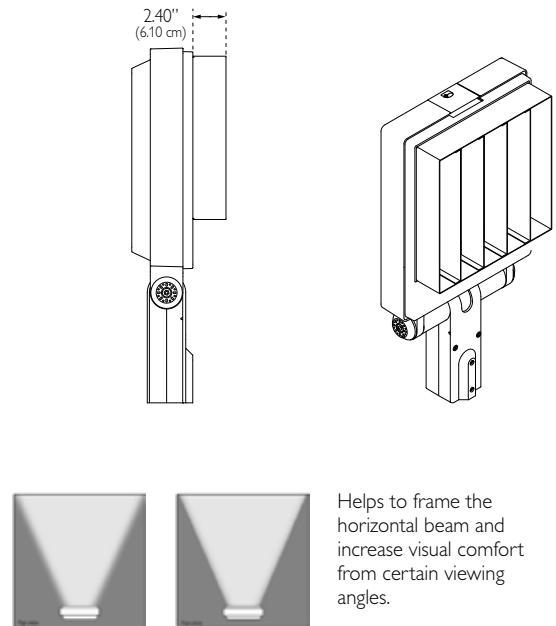
Page 13 of 15

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

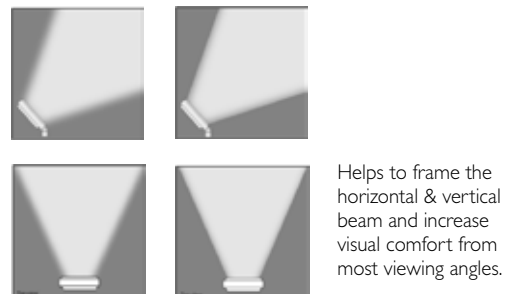
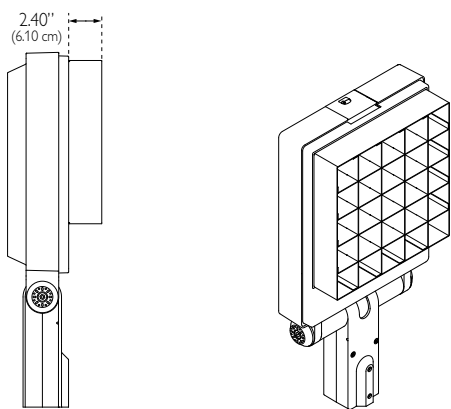
HL-DFS4 Horizontal Louvers



VL-DFS4 Vertical Louvers



EC-DFS4 Eggcrate Louvers



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Swivel Mount Accessory Details (must be ordered separately)

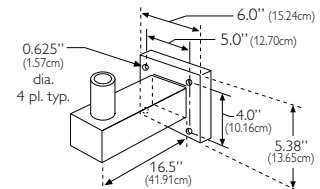
F = Specify finish of the accessory: TWO: Two-Tone (dark grey, silver) TBK: Textured Black TDB: Textured Dark Bronze
TSA: Textured Satin Aluminum TWHT: Textured White TGN: Textured Green TGR: Textured Grey

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.

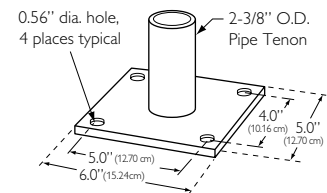


SMT-2-(F)

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.

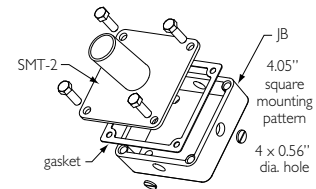


JB-VMT-(F)

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.



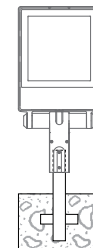
SM-18-(F)

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.

Components shipped separately. Field assembly required.

PTA-2090-16.5-(F)

Pole Top Adapter, 2@90

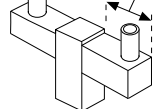
PTA-3090-16.5-(F)

Pole Top Adapter, 3@90

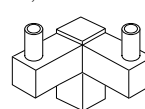
PTA-4090-16.5-(F)

Pole Top Adapter, 4@90

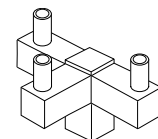
16.5" (41.91 cm)



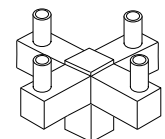
additional EPA: 0.75
2 @ 180



additional EPA: 1.2
2 @ 90



additional EPA: 1.0
3 @ 90



additional EPA: 1.5
4 @ 90

Job Information

Type:

Canlyte
3015 Louis-Amos, Lachine, Québec H8T 1C4
e: canlyte-info@philips.com
t: (514) 636-0670
w: www.canlyte.com

PHILIPS
WideLite

Decoflood

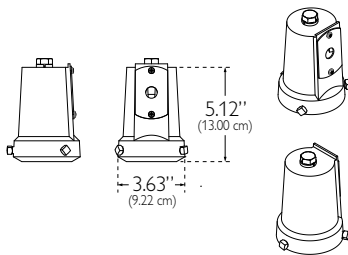
DFS4 Medium Square - 39-150W HID

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Yoke Mount Accessory Details (must be ordered separately)

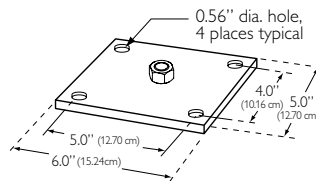
F = Specify finish of the accessory: TWO: Two-Tone (dark grey, silver) TBK: Textured Black TDB: Textured Dark Bronze TSA: Textured Satin Aluminum TWHT: Textured White TGN: Textured Green TGR: Textured Grey

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



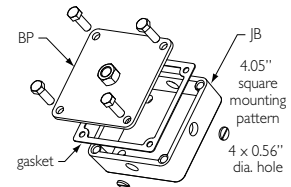
BP-(F) Surface Mount Base Plate

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.



ISO 9001
Certified



Canlyte
3015 Louis-Amos, Lachine, Québec H8T 1C4
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t: (514) 636-0670
w: www.canlyte.com
DFS4 September 26, 2011
Specifications are subject to change without notice.
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Job Information

Type:

PHILIPS
WideLite