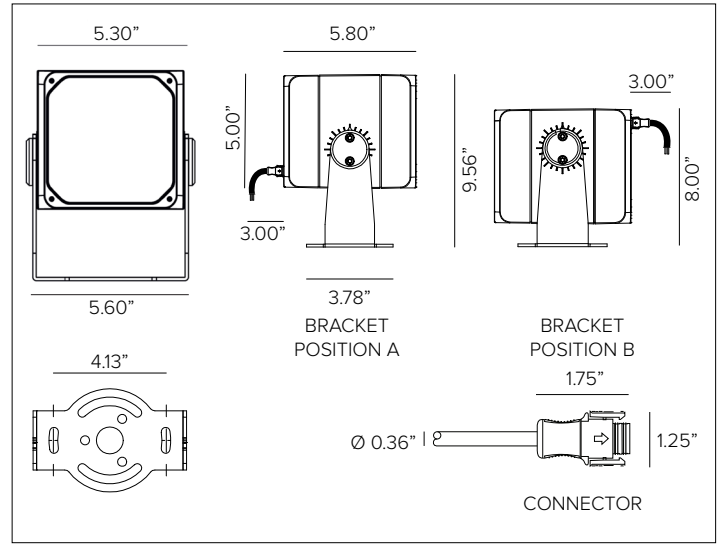


DART MEDIUM EVENT POLE

Multi-headed Event Pole with Professional Adjustable Floodlight Projector



CONCEPT

Event pole with small footprint adjustable LED projector.

FIXTURE MECHANICAL CHARACTERISTICS

Housing	5.30"W x 5.80"D
Materials	Die-cast aluminum powder coated body and joints for maximum heat dissipation.
Finish	Textured finish. ● Ferrite Dark Grey
Power Connection	Cabled with 10ft SJ00W 16-6 cable and DSM&T anti-wicking quick disconnect.
Functionality	Adjustable up to ±45° on the horizontal pane and +90°/-45° on the vertical plane with aim locking set screw.
Weight	6.5lbs ea.
Protection	IP66
Resistance	IK10

POLE MECHANICAL CHARACTERISTICS

Materials	Hot-galvanized EN ISO 1461. Integral hatch door for utility power.
Finish	Textured finish. ● Ferrite Dark Grey
Foundation	(16/19) 39.4" x 39.4" x 39.4"H / (22) 47.2" x 47.2" x 47.2"H
Anchor Bolts	(4pcs) ¾" x 24" x 3" J-Bolts included
Horizontal Displacement	(16) CL1 / (19) CL2 / (22) CL3
Thickness	0.12"
MPH	140mph
EPA	Individual fixture: 0.258 sqft / 4 fixtures max: 1.032 sqft / 8 fixtures max: 2.064 sqft / 12 fixtures max: 3.096 sqft

CERTIFICATIONS

cULus Wet Location Listed.
 Tested in accordance with LM-79-08.
 Compliant for California installations.
 IEC 62471
 RoHS3 EU 215/863

WARRANTY

5 year limited warranty
 ^Consult factory for use in marine grade environments.

ELECTRICAL CHARACTERISTICS

Power Supply	Integrated 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Phase / Forward Phase).
Wattage	19W (NSP) / 36W nominal (SP / FL / MWFL / WFL / NASYM / ASYM)
Voltage	Universal Voltage 120-277V AC 50/60Hz

SOURCE

NSP optic uses high efficiency LED Emitter. SP / FL / MWFL / WFL / NASYM / ASYM optics use high efficiency LED Chip on Board.

TM30	CCT (Nominal)	CRI	Rf	Rg	MR	SDCM
	2700K	81	80	97	2	2
	3000K	82	82	97	2	2
	3500K	82	81	97	2	2
	4000K	82	81	97	2	2

Ra90 available upon request

OPTIC

Optical system is dependent on beam angle. NSP version comprised of methacrylate lenses. SP and FL versions comprised with a hybrid optic system. MWFL and WFL versions comprised of precision optics with convex reflective anodized aluminum facets. NASYM and ASYM version comprised of reflective pre-anodized brushed aluminum optic.

Beam	NSP 10°	SP 14°	FL 32°	MWFL 48°	WFL 62°	NASYM 41°x52°	ASYM 51°x83°
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Delivered Lumens	3000K	1008Lm	2560Lm	2403Lm	4145Lm	4169Lm	3845Lm	3526Lm
	4000K	1068Lm	2581Lm	2422Lm	4244Lm	4269Lm	3938Lm	3611Lm

For 2700K lumen values use multiplier of 0.96 from 3000K For 3500K lumen values use multiplier of 1.02 from 3000K.

Efficacy	129Lm/W max. Refer to photometric graphs for specific values.
Lifetime	NSP: L96/B10 30,000hrs / L95/B10 50,000hrs at max TA +25°C SP / FL: L89/B10 30,000hrs / L85/B10 50,000hrs / L78/B10 80,000hrs / L74/B10 100,000hrs at max TA +25°C MWFL / WFL / NASYM / ASYM: L91/B10 30,000hrs / L88/B10 50,000hrs / L84/B10 80,000hrs / L81/B10 100,000hrs at max TA +25°C

Photobiological Classification Low risk safety RG1

DART MEDIUM EVENT POLE

FIXTURE SPECIFICATION INFORMATION

DAM							8	9	10	11
1	2	3	4	5	6	7	REQUIRED		OPTIONAL	

Ex: DAM41FEL1NS30PM / 1USP01FE16S / 1USP01BKTFS

1 - PRODUCT CODE	2 - DRIVER	3 - FINISH	4 - WATTAGE	5 - OPTIC	6 - KELVIN	7 - CABLE
DAM — DART MEDIUM	41 — 4/1 Smart Dimming (Non-Dimming / 0-10V / Reverse Phase / Forward Phase)	FE — Ferrite Dark Grey	L1 ^c — 19W L2 ^d — 36W	NS ^a — NSP 10° SP — SP 14° FL — FL 32° MF — MWFL 48° WF — WFL 62° NA — NASYM 41°x52° AS — ASYM 51°x83°	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K	PM — 25ft Cable
8 - EVENT POLE	9 - MOUNTING BRACKET	10 - POLE ACCESSORIES	11 - OPTICAL ACCESSORIES			
16ft Pole See section for details	1 Fixture Bracket See section for details	Decorative Base Cover See section for details	Filter Holder Ring See section for details			
19ft Pole See section for details	2 Fixture Bracket See section for details		Blade Light Linear Spread Lens See section for details			
22ft Pole See section for details	3 Fixture Bracket See section for details		Anti-glare Louver See section for details			
	4 Fixture Bracket See section for details		Asymmetric Snoot See section for details			

^a NS option not available in 2700K or 3500K.

^c 19W available in NSP optic only.

^d 36W available in SP / FL / MWFL / WFL / NASYM / ASYM optics only.



OPTIC VERSIONS

NSP OPTIC ONLY



SP / FL OPTICS



MWFL / WF OPTICS



NASYM / ASYM OPTICS



DART MEDIUM EVENT POLE

8 - EVENT POLE (REQUIRED)

16ft round powder coated steel pole. Hot-galvanized EN ISO 1461 with integral hatch door for utility power. Maximum of 1 bracket (4 fixtures).

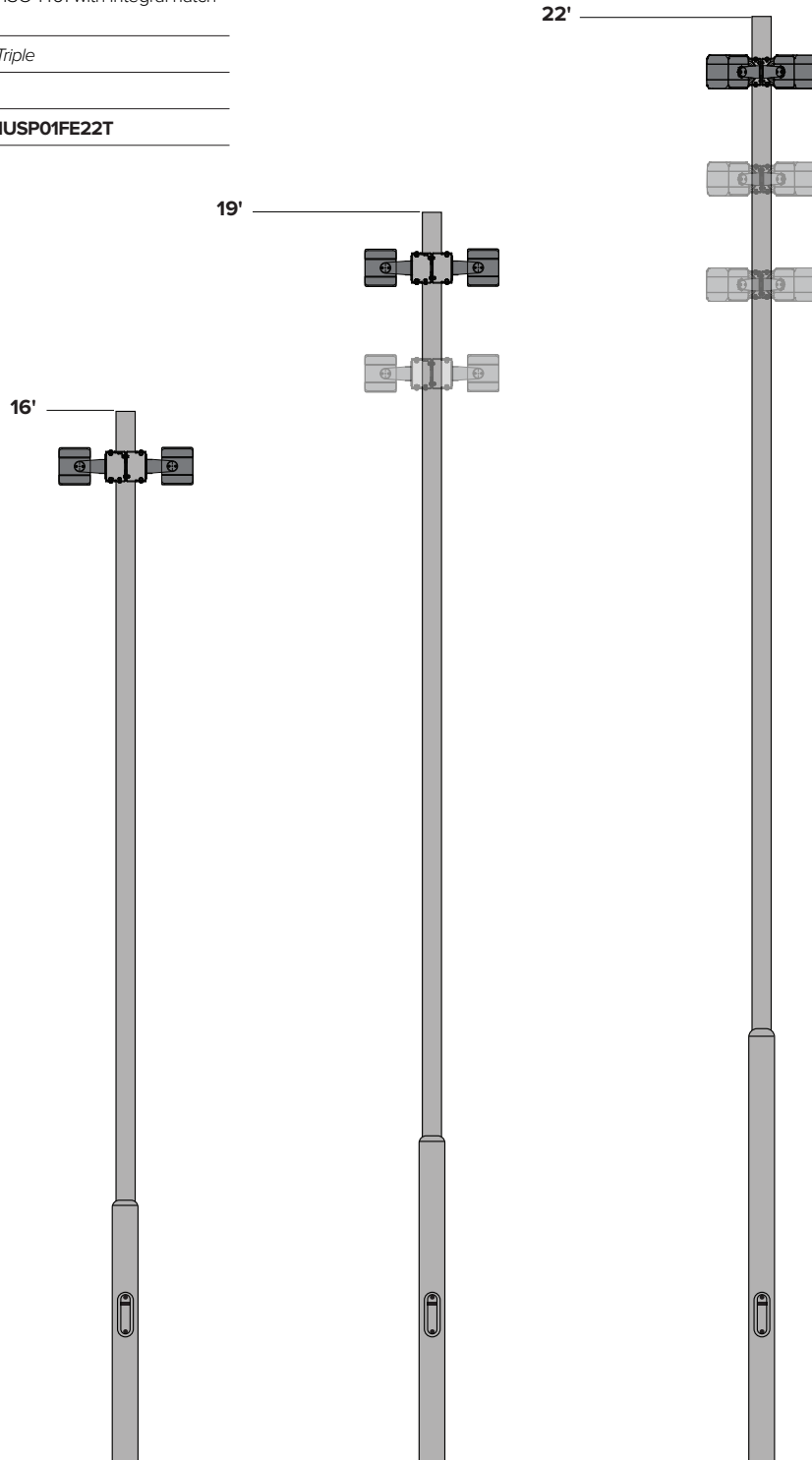
Level	Single
Finish	● Ferrite Dark Grey
Part No.	1USP01FE16S

19ft round powder coated steel pole. Hot-galvanized EN ISO 1461 with integral hatch door for utility power. Maximum of 2 brackets (8 fixtures).

Level	Single	Dual
Finish	● Ferrite Dark Grey	
Part No.	1USP01FE19S	1USP01FE19D

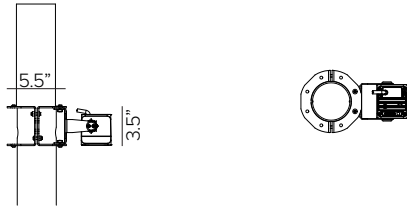
22ft round powder coated steel pole. Hot-galvanized EN ISO 1461 with integral hatch door for utility power. Maximum of 3 brackets (12 fixtures).

Level	Single	Dual	Triple
Finish	● Ferrite Dark Grey		
Part No.	1USP01FE22S	1USP01FE22D	1USP01FE22T



DART MEDIUM EVENT POLE

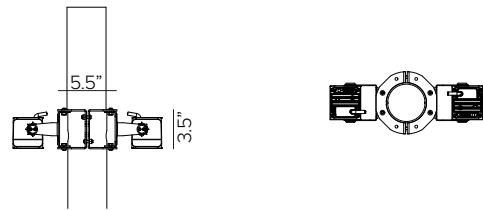
9 - MOUNTING BRACKET (REQUIRED)



Mounting bracket, 1 fixture

Finish ● Ferrite Dark Grey

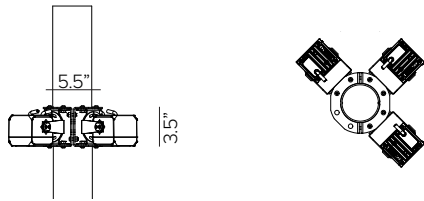
Part No. **1USP01BKTFES**



Mounting bracket, 2 fixtures

Finish ● Ferrite Dark Grey

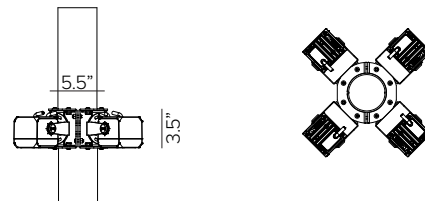
Part No. **1USP01BKTFED**



Mounting bracket, 3 fixtures

Finish ● Ferrite Dark Grey

Part No. **1USP01BKTFET**

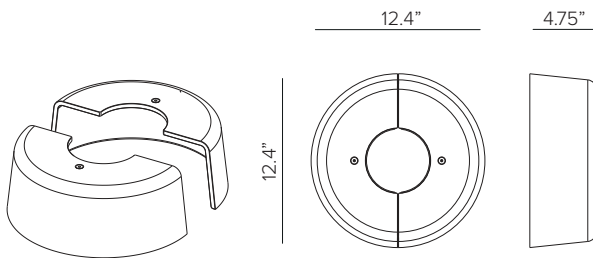


Mounting bracket, 4 fixtures

Finish ● Ferrite Dark Grey

Part No. **1USP01BKTFEQ**

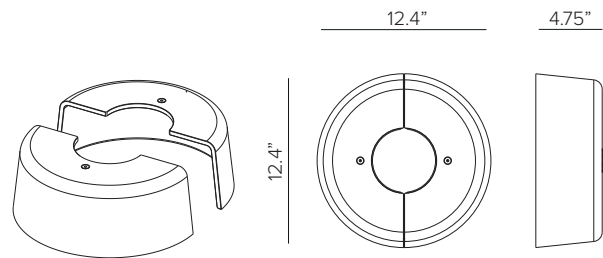
10 – POLE ACCESSORIES (OPTIONAL)



Aluminum decorative pole base cover.

Finish ● Ferrite Dark Grey

Part No. **1USP01CVR02FE**



Iron decorative pole base cover. To be used in environments that may have impact.

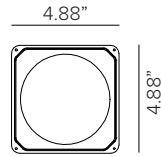
Finish ● Ferrite Dark Grey

Part No. **1USP02CVR01FE**

DART MEDIUM EVENT POLE

11 – OPTICAL ACCESSORIES (OPTIONAL)

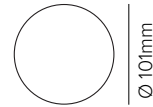
MAXIMUM OF TWO ACCESSORIES PER FIXTURE.



Holder ring. CNC machined anodized and powder coated aluminum. Dimension 4.75in x 4.75in. **Required for use of all filters. Not required for use with 1E3024 or 1E3025.**

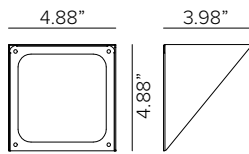
Finish ● Ferrite Dark Grey

Part No. **1E3022**



'Blade of Light' linear spread lens. PMMA holographic filter. **Not suitable for use with NSP and AYSM optics. To be completed with 1E3022 dedicated holder ring. Does not apply toward maximum accessory count.**

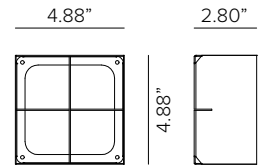
Part No. **1E3023**



Asymmetric screen. Powder coated stainless steel. **Not compatible with 1E3025.**

Finish ● Ferrite Dark Grey

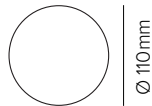
Part No. **1E3024**



Anti glare louver with removable baffles in deep black finish for different levels of glare control. Extrusion powder coat stainless steel. Cutoff 43.4°. **Not compatible with 1E3024.**

Finish ● Ferrite Dark Grey

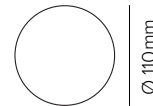
Part No. **1E3025**



Water jet cut stainless steel round pinhole LUMISHAPE light shield. **Performs best with SP optic.**

Finish ● Deep Black

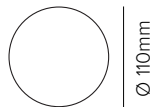
Part No. **LS11001**



Water jet cut stainless steel round circular LUMISHAPE light shield. **Performs best with SP or FL optic.**

Finish ● Deep Black

Part No. **LS11002**



Water jet cut stainless steel square pinhole LUMISHAPE light shield. **Performs best with SP optic.**

Finish ● Deep Black

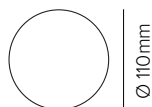
Part No. **LS11003**



Water jet cut stainless steel regular square LUMISHAPE light shield. **Performs best with SP or FL optic.**

Finish ● Deep Black

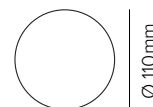
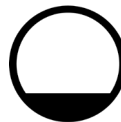
Part No. **LS11004**



Water jet cut stainless steel half LUMISHAPE light shield. **Stackable up to 4pcs per fixture; 4pcs accounts to 1 accessory toward maximum accessory count. Performs best with FL or MWFL optic**

Finish ● Deep Black

Part No. **LS11005**



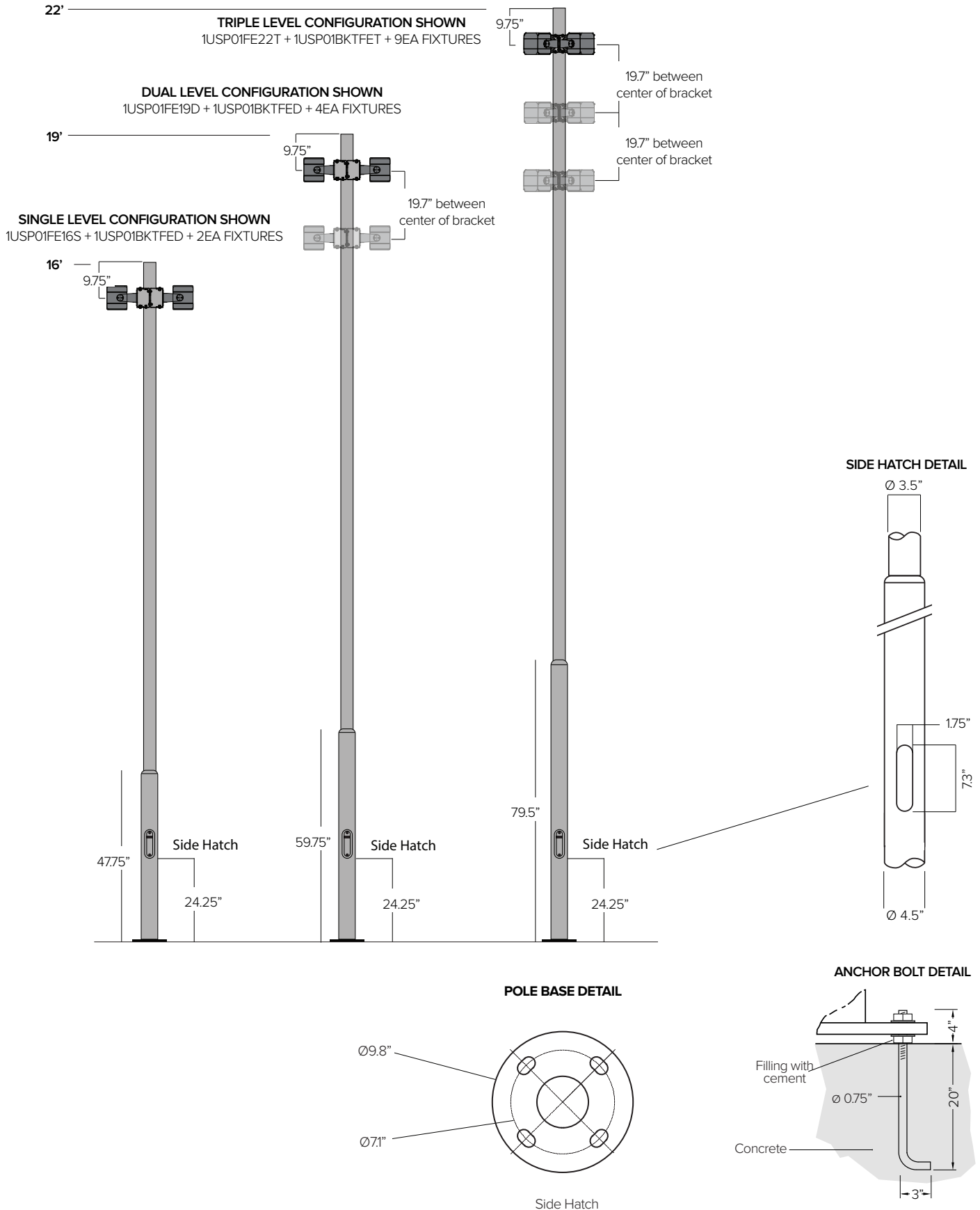
Water jet cut stainless steel quarter LUMISHAPE light shield. **Stackable up to 4pcs per fixture; 4pcs accounts to 1 accessory toward maximum accessory count. Performs best with FL or MWFL optic**

Finish ● Deep Black

Part No. **LS11006**

DART MEDIUM EVENT POLE

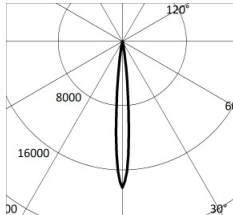
INSTALLATION DIAGRAM



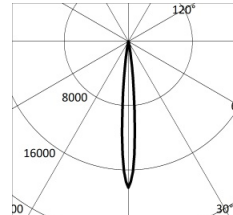
DART MEDIUM EVENT POLE

PHOTOMETRY

NARROW SPOT

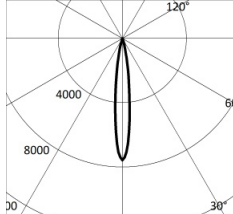


3000K		H(m)	D(m)	Emax(lx)		
Ra80			10°			
Fixture Power	19W	1	0.17	24179		
Source Flux	1332lm	2	0.34	6045		
Fixture Flux	1008lm	3	0.51	2687		
Efficacy	53lm/W	4	0.68	1511		
TS1512	Imax=18153cd/klm	Imax	24179cd	5	0.86	967



4000K		H(m)	D(m)	Emax(lx)		
Ra80			10°			
Fixture Power	19W	1	0.17	25613		
Source Flux	1411lm	2	0.34	6403		
Fixture Flux	1068lm	3	0.51	2846		
Efficacy	56lm/W	4	0.68	1601		
TS1512	Imax=18153cd/klm	Imax	25613cd	5	0.86	1025

SPOT

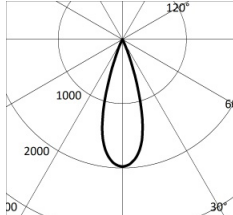


3000K		H(m)	D(m)	Emax(lx)		
Ra80			14°			
Fixture Power	36W	1	0.24	32755		
Source Flux	4336lm	2	0.47	8189		
Fixture Flux	2560lm	3	0.71	3639		
Efficacy	71lm/W	4	0.95	2047		
TS1500	Imax=7554cd/klm	Imax	32755cd	5	1.18	1310

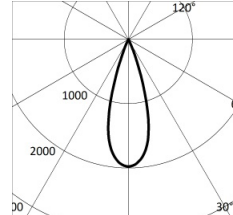


4000K		H(m)	D(m)	Emax(lx)		
Ra80			14°			
Fixture Power	36W	1	0.24	33020		
Source Flux	4371lm	2	0.47	8255		
Fixture Flux	2581lm	3	0.71	3669		
Efficacy	71lm/W	4	0.95	2064		
TS1500	Imax=7554cd/klm	Imax	33020cd	5	1.18	1321

FLOOD

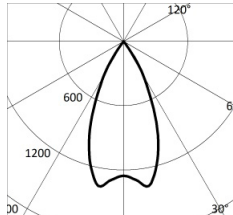


3000K		H(m)	D(m)	Emax(lx)		
Ra80			32°			
Fixture Power	36W	1	0.58	8554		
Source Flux	4336lm	2	1.16	2139		
Fixture Flux	2403lm	3	1.74	950		
Efficacy	66lm/W	4	2.33	535		
TS1501	Imax=1973cd/klm	Imax	8554cd	5	2.91	342

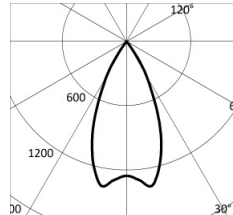


4000K		H(m)	D(m)	Emax(lx)		
Ra80			32°			
Fixture Power	36W	1	0.58	8623		
Source Flux	4371lm	2	1.16	2156		
Fixture Flux	2422lm	3	1.74	958		
Efficacy	67lm/W	4	2.33	539		
TS1501	Imax=1973cd/klm	Imax	8623cd	5	2.91	345

MEDIUM WIDE FLOOD

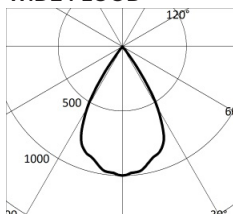


3000K		H(m)	D(m)	Emax(lx)		
Ra80			48°			
Fixture Power	33W	1	0.89	6540		
Source Flux	4963lm	2	1.78	1635		
Fixture Flux	4145lm	3	2.68	727		
Efficacy	125lm/W	4	3.57	409		
TS1502	Imax=1366cd/klm	Imax	6778cd	5	4.46	262

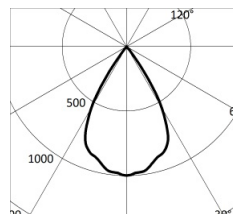


4000K		H(m)	D(m)	Emax(lx)		
Ra80			48°			
Fixture Power	33W	1	0.89	6697		
Source Flux	5082lm	2	1.78	1674		
Fixture Flux	4244lm	3	2.68	744		
Efficacy	128lm/W	4	3.57	419		
TS1502	Imax=1366cd/klm	Imax	6940cd	5	4.46	268

WIDE FLOOD



3000K		H(m)	D(m)	Emax(lx)		
Ra80			62°			
Fixture Power	33W	1	1.20	4948		
Source Flux	4963lm	2	2.40	1237		
Fixture Flux	4169lm	3	3.60	550		
Efficacy	126lm/W	4	4.80	309		
TS1503	Imax=997cd/klm	Imax	4948cd	5	5.99	198

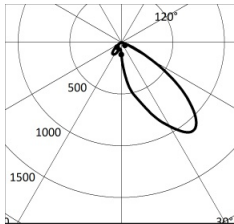


4000K		H(m)	D(m)	Emax(lx)		
Ra80			62°			
Fixture Power	33W	1	1.20	5066		
Source Flux	5082lm	2	2.40	1267		
Fixture Flux	4269lm	3	3.60	563		
Efficacy	129lm/W	4	4.80	317		
TS1503	Imax=997cd/klm	Imax	5066cd	5	5.99	203

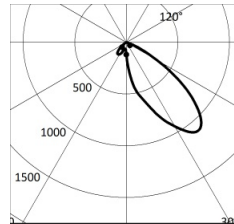
DART MEDIUM EVENT POLE

PHOTOMETRY

NARROW ASYMMETRIC

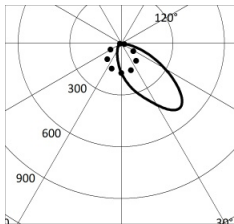


3000K		H(m)	D1(m)	D2(m)	Emax(lx)	
Ra80		41°	52°			
Fixture Power	33W	1	1.20	1.26	3026	
Source Flux	4963lm	2	2.41	2.52	756	
Fixture Flux	3845lm	3	3.61	3.78	336	
Efficacy	116lm/W	4	4.81	5.04	189	
TS1505	I _{max} =1098cd/klm	I _{max}	5	6.02	6.29	121

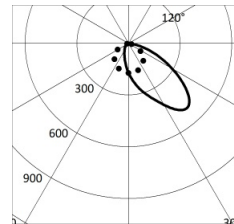


4000K		H(m)	D1(m)	D2(m)	Emax(lx)	
Ra80		41°	52°			
Fixture Power	33W	1	1.20	1.26	3098	
Source Flux	5082lm	2	2.41	2.52	775	
Fixture Flux	3938lm	3	3.61	3.78	344	
Efficacy	119lm/W	4	4.81	5.04	194	
TS1505	I _{max} =1098cd/klm	I _{max}	5	6.02	6.29	124

ASYMMETRIC



3000K		H(m)	D1(m)	D2(m)	Emax(lx)	
Ra80		51°	83°			
Fixture Power	33W	1	1.72	2.39	1328	
Source Flux	4963lm	2	3.44	4.78	332	
Fixture Flux	3526lm	3	5.16	7.16	148	
Efficacy	106lm/W	4	6.88	9.55	83	
TS1504	I _{max} =504cd/klm	I _{max}	5	8.60	11.94	53



4000K		H(m)	D1(m)	D2(m)	Emax(lx)	
Ra80		51°	83°			
Fixture Power	33W	1	1.72	2.39	1360	
Source Flux	5082lm	2	3.44	4.78	340	
Fixture Flux	3611lm	3	5.16	7.16	151	
Efficacy	109lm/W	4	6.88	9.55	85	
TS1504	I _{max} =504cd/klm	I _{max}	5	8.60	11.94	54