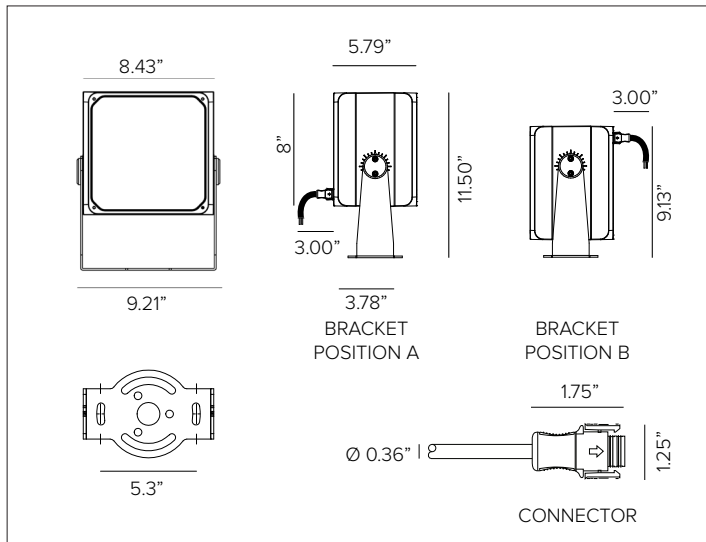
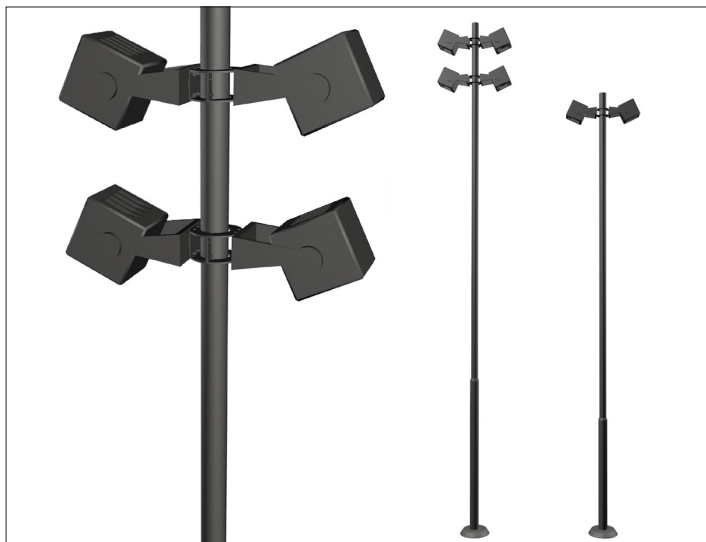


DART MAXI EVENT POLE

Multi-headed Event Pole with Professional Adjustable Floodlight Projector.



CONCEPT

Event pole with professional adjustable floodlight LED projector.

MECHANICAL CHARACTERISTICS

Housing	5.79"W X 5.79"D
Materials	Die-cast aluminum body and joints for maximum heat dissipation.
Finish	Textured finish. ● Ferrite Dark Grey
Power Connection	Cabled with 25ft 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	13lbs
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	(19') 39.4" x 39.4" x 39.4"H / (22') 47.2" x 47.2" x 47.2"H
Anchor Bolts	3/4" x 24" x 3" J-Bolts, 4pcs included for 19'H and 6pcs for 22'H
Horizontal Displacement	(19') CL2 / (22') CL3
Thickness	0.12"
MPH	140mph
EPA	(19') 2.064 sqft (8 fixtures max) / (22') 3.096 sqft (12 fixtures max) (Individual fixture) 0.258 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) or DALI dimmable driver. 0-10V only available with 69W version.
Wattage	27W / 36W (NSP), 54W / 69W nominal (SP / FL / MWFL / WFL / ASYM)
Voltage	Universal Voltage 120-277V AC 50/60Hz

SOURCE

High efficiency LED Chip on Board.

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

Ra90 available upon request

OPTIC

Optical system is dependent on beam angle. NSP version comprised of an indirect optic with a LED module directed towards the reflective anodized aluminum parabolic reflector, a transparent PMMA refractive lens and TACS (Targetti advanced cooling system). SP and FL versions comprised of a hybrid optic with anodized mirrored aluminum reflector, optical glass lenses, a black anodized aluminum lens holder and a holographic filter. MWFL and WFL versions comprised of precision optics with convex reflective anodized aluminum facets and a holographic lens. ASYM version comprised of reflective pre-anodized brushed aluminum optic.

Beam	NSP 8°	SP 20°	FL 28°	MWFL 43°	WFL 59°	ASYM 40°x70°
Delivered Lumens	3000K 2439Lm	4621Lm	5194Lm	6262Lm	6271Lm	7416Lm
4000K	2458Lm	4732Lm	5318Lm	6411Lm	6421Lm	7593Lm

Data represents max output version only, refer to photometry section for all fixture variations.
For 2700K lumen values use multiplier of 0.96 from 3000K. For 3500K lumen values use multiplier of 1.02 from 3000K.

Efficacy	119Lm/W max. Refer to photometric graphs for specific values.
Lifetime	NSP 69W: L90/B10 30,000hrs / L87/B10 50,000hrs at max TA +25°C SP 69W: L82/B10 30,000hrs / L73/B10 50,000hrs at max TA +25°C FL 69W: L83/B10 30,000hrs / L74/B10 50,000hrs at max TA +25°C MWFL / WFL / ASYM 69W: L84/B10 30,000hrs / L76/B10 50,000hrs at max TA +25°C

Photobiological Classification Low risk safety RG1

DART MAXI EVENT POLE

FIXTURE SPECIFICATION INFORMATION

DAL										
1	2	3	4	5	6	7	8	9	10	11
Ex: DAL41FEL2NS30PM / 1USP01FE19S / 1USP01BKTFS							REQUIRED		OPTIONAL	
1 - PRODUCT CODE	2 - DRIVER	3 - FINISH	4 - WATTAGE	5 - OPTIC	6 - KELVIN	7 - CABLE	8 - EVENT POLE	9 - MOUNTING BRACKET	11 - POLE ACCESSORIES	10 - OPTICAL ACCESSORIES
DAL — DART MAXI	41 — 4/1 Smart Dimming (Non-Dimming / 0-10V / Reverse Phase / Forward Phase) 10^F — 0-10V	FE — Ferrite Dark Grey	L1^C — 27W L2^C — 36W L3^D — 54W L5^E — 69W	NS^B — NSP 8° SP — SP 20° FL — FL 28° MW — MWFL 43° WF — WFL 59° AS — ASYM 40°x70°	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K	PM — 25ft cable	19ft Pole See section for details 22ft Pole See section for details	1 Fixture Bracket See section for details 2 Fixture Bracket See section for details 3 Fixture Bracket See section for details 4 Fixture Bracket See section for details	Decorative Base Cover See section for details	Filter Holder Ring See section for details Blade Light Linear Spread Lens See section for details Anti-glare Louver See section for details Asymmetric Snoot See section for details

^B NSP optic not available in 2700K or 3500K.
^C 27W and 36W available in NSP optic only.
^D 54W and 69W available in SP / FL / MWFL / WFL / ASYM optics only.
^E 0-10V only available with 69W version.
^F 69W available with 0-10V driver only. Available in SP / FL / MWFL / WFL / ASYM optics only.

OPTIC VERSIONS

NSP OPTIC ONLY



SP / FL OPTICS



MWFL / WFL OPTICS



ASYM OPTIC ONLY



DART MAXI EVENT POLE

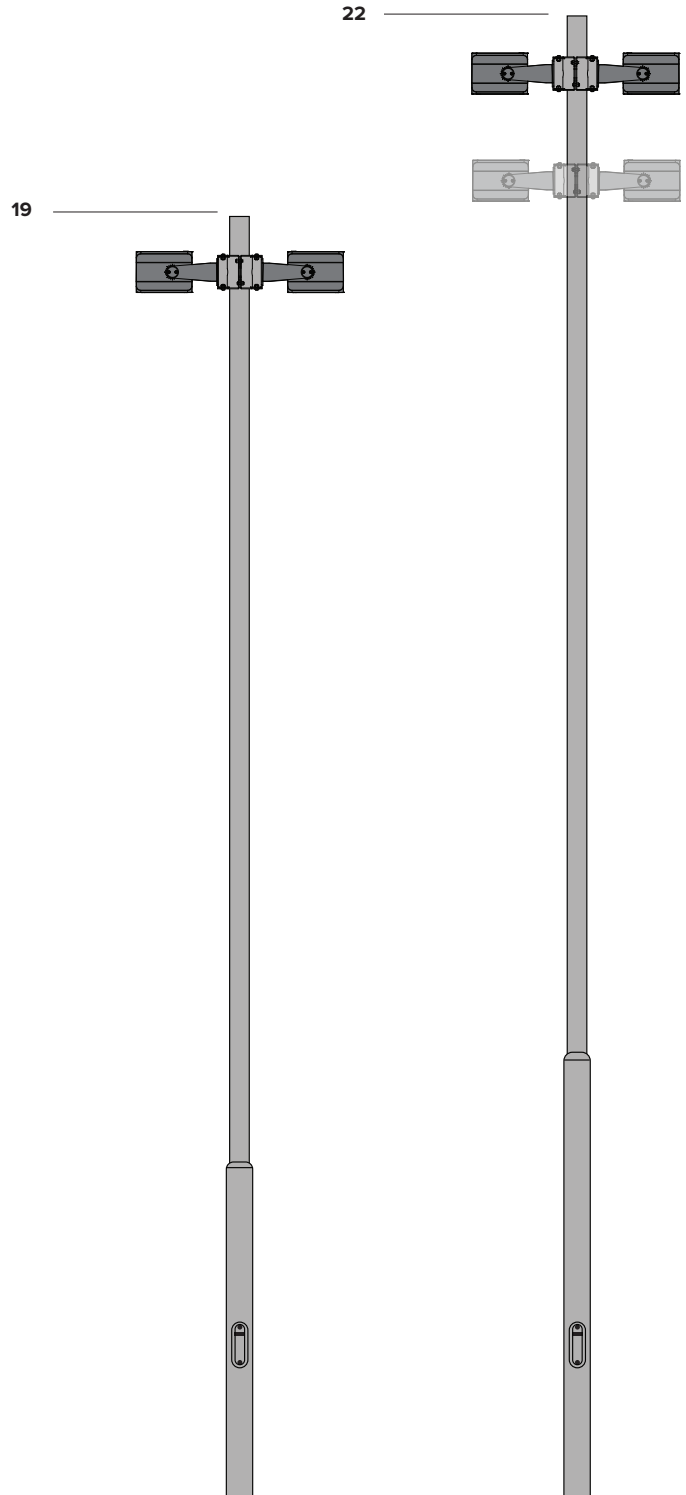
8 - EVENT POLE (REQUIRED)

19ft round powder coated steel pole. Hot-galvanized EN ISO 1461 with integral hatch door for utility power. Maximum of 1 bracket (2 fixtures).

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

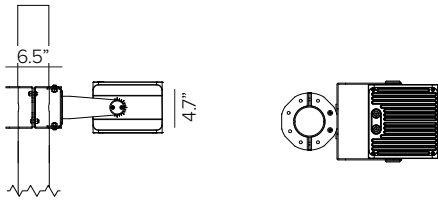
22ft round powder coated steel pole. Hot-galvanized EN ISO 1461 with integral hatch door for utility power. Maximum of 2 bracket (4 fixtures).

Level	Single	Dual
Finish	● Ferrite Dark Grey	
Part No.	1USP02FE22S	1USP02FE22D



DART MAXI EVENT POLE

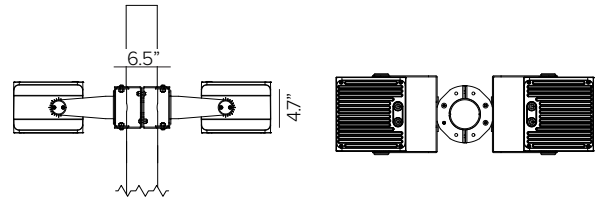
9 - MOUNTING BRACKET (REQUIRED)



Mounting bracket, 1 fixture max.

Finish ● Ferrite Dark Grey

Part No. **1USP01BKTFES**

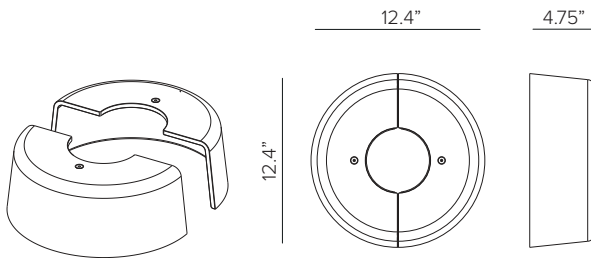


Mounting bracket, 2 fixtures max.

Finish ● Ferrite Dark Grey

Part No. **1USP01BKTFED**

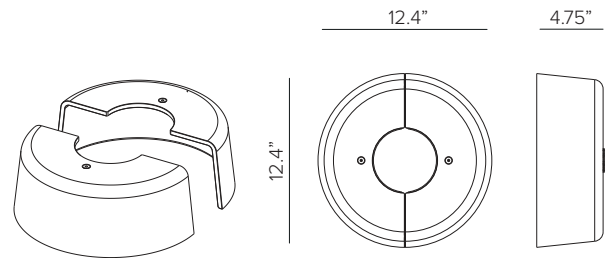
10 - POLE ACCESSORIES (OPTIONAL)



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**

11 - OPTICAL ACCESSORIES (OPTIONAL)

Maximum of two optical accessories per fixture



Holder ring. CNC machined anodized and powder coated aluminum. Dimension 7.7in x 7.7in. **Required for use of all filters. Not required for use with 1E3095 or 1E3096.**

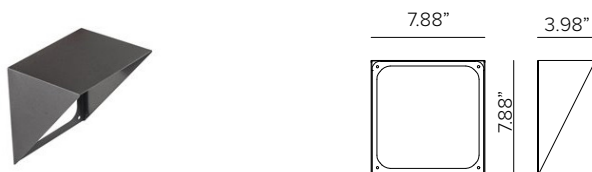
Finish ● Ferrite Dark Grey

Part No. **1E3093**



'Blade of Light' linear spread lens. PMMA holographic filter. **Not suitable for use with NSP and AYSM optics. To be completed with 1E3093 dedicated holder ring. Does not apply toward maximum accessory count.**

Part No. **1E3094**



Asymmetric snoot. Powder coated stainless steel. Cutoff 44.6°. **Not compatible with 1E3096.**

Finish ● Ferrite Dark Grey

Part No. **1E3095**



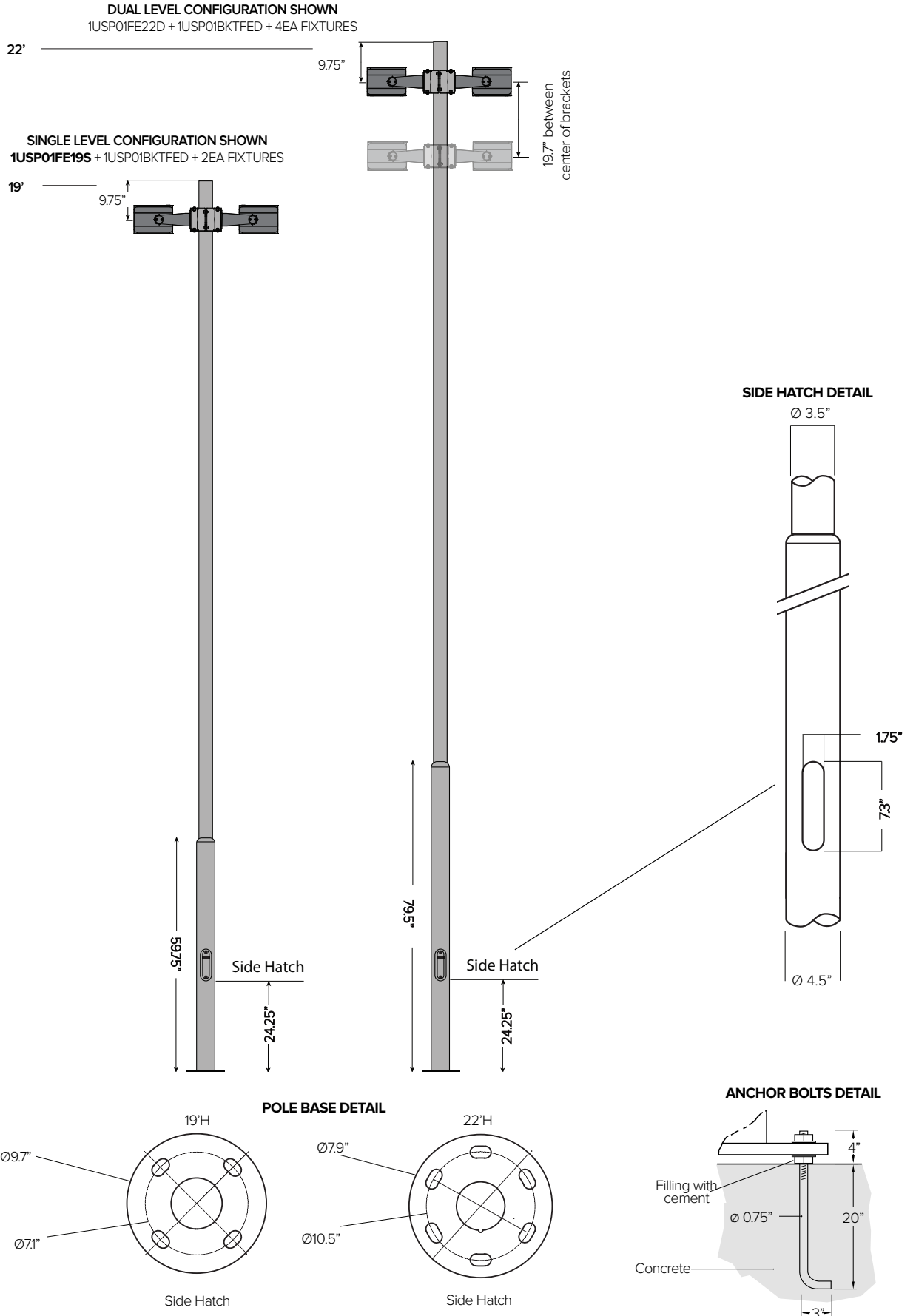
Anti glare louver with removable baffles for different levels of glare control. Powder coat stainless steel. Cutoff 47.3°. **Not compatible with 1E3095.**

Finish ● Ferrite Dark Grey

Part No. **1E3096**

DART MAXI EVENT POLE

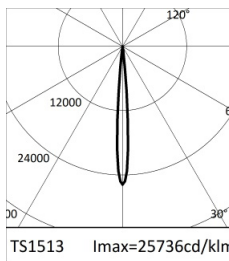
INSTALLATION DIAGRAM



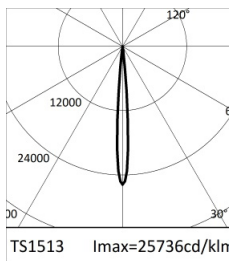
DART MAXI EVENT POLE

PHOTOMETRY

NARROW SPOT



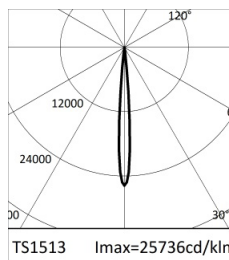
3000K		H(m)	D(m)	Emax(lx)		
Ra80			8°			
Fixture Power	27W	1	0.15	91261		
Source Flux	3546lm	2	0.29	22815		
Fixture Flux	2034lm	3	0.44	10140		
Efficacy	75lm/W	4	0.58	5704		
TS1513	I _{max} =25736cd/klm	I _{max}	91261cd	5	0.73	3650



4000K		H(m)	D(m)	Emax(lx)		
Ra80			8°			
Fixture Power	27W	1	0.15	91982		
Source Flux	3574lm	2	0.29	22995		
Fixture Flux	2050lm	3	0.44	10220		
Efficacy	75lm/W	4	0.58	5749		
TS1513	I _{max} =25736cd/klm	I _{max}	91982cd	5	0.73	3679

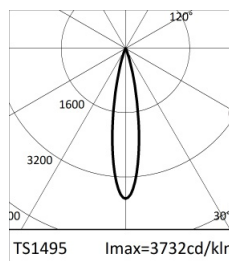


3000K		H(m)	D(m)	Emax(lx)		
Ra80			8°			
Fixture Power	36W	1	0.15	109405		
Source Flux	4251lm	2	0.29	27351		
Fixture Flux	2439lm	3	0.44	12156		
Efficacy	67lm/W	4	0.58	6838		
TS1513	I _{max} =25736cd/klm	I _{max}	109405cd	5	0.73	4376

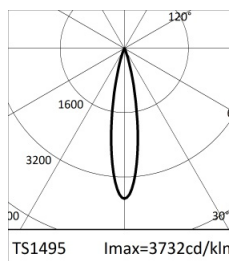


4000K		H(m)	D(m)	Emax(lx)		
Ra80			8°			
Fixture Power	36W	1	0.15	110280		
Source Flux	4285lm	2	0.29	27570		
Fixture Flux	2458lm	3	0.44	12253		
Efficacy	68lm/W	4	0.58	6893		
TS1513	I _{max} =25736cd/klm	I _{max}	110280cd	5	0.73	4411

SPOT



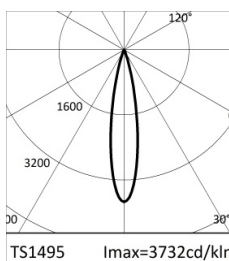
3000K		H(m)	D(m)	Emax(lx)		
Ra80			20°			
Fixture Power	54W	1	0.35	27248		
Source Flux	7302lm	2	0.70	6812		
Fixture Flux	3898lm	3	1.05	3028		
Efficacy	72lm/W	4	1.40	1703		
TS1495	I _{max} =3732cd/klm	I _{max}	27248cd	5	1.75	1090



4000K		H(m)	D(m)	Emax(lx)		
Ra80			20°			
Fixture Power	54W	1	0.35	27901		
Source Flux	7477lm	2	0.70	6975		
Fixture Flux	3991lm	3	1.05	3100		
Efficacy	74lm/W	4	1.40	1744		
TS1495	I _{max} =3732cd/klm	I _{max}	27901cd	5	1.75	1116



3000K		H(m)	D(m)	Emax(lx)		
Ra80			20°			
Fixture Power	69W	1	0.35	32304		
Source Flux	8657lm	2	0.70	8076		
Fixture Flux	4621lm	3	1.05	3589		
Efficacy	67lm/W	4	1.40	2019		
TS1495	I _{max} =3732cd/klm	I _{max}	32304cd	5	1.75	1292

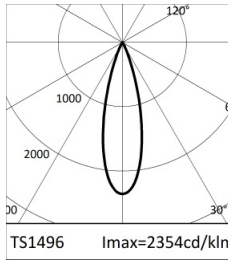


4000K		H(m)	D(m)	Emax(lx)		
Ra80			20°			
Fixture Power	69W	1	0.35	33077		
Source Flux	8864lm	2	0.70	8269		
Fixture Flux	4732lm	3	1.05	3675		
Efficacy	69lm/W	4	1.40	2067		
TS1495	I _{max} =3732cd/klm	I _{max}	33077cd	5	1.75	1323

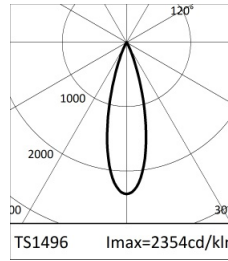
DART MAXI EVENT POLE

PHOTOMETRY

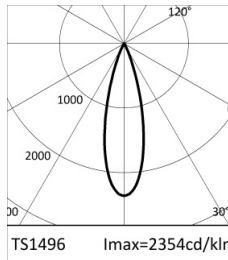
FLOOD



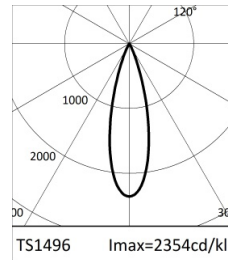
3000K		H(m)	D(m)	Emax(lx)	
Ra80			28°		
Fixture Power	54W	1	0.50	17189	
Source Flux	7302lm	2	1.01	4297	
Fixture Flux	4381lm	3	1.51	1910	
Efficacy	81lm/W	4	2.02	1074	
TS1496	Imax=2354cd/klm	Imax	17189cd	5	2.52 688



4000K		H(m)	D(m)	Emax(lx)	
Ra80			28°		
Fixture Power	54W	1	0.50	17601	
Source Flux	7477lm	2	1.01	4400	
Fixture Flux	4486lm	3	1.51	1956	
Efficacy	83lm/W	4	2.02	1100	
TS1496	Imax=2354cd/klm	Imax	17601cd	5	2.52 704

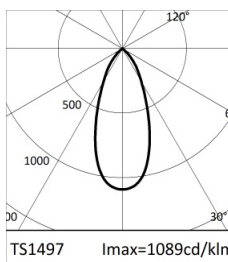


3000K		H(m)	D(m)	Emax(lx)	
Ra80			28°		
Fixture Power	69W	1	0.50	20378	
Source Flux	8657lm	2	1.01	5095	
Fixture Flux	5194lm	3	1.51	2264	
Efficacy	75lm/W	4	2.02	1274	
TS1496	Imax=2354cd/klm	Imax	20378cd	5	2.52 815

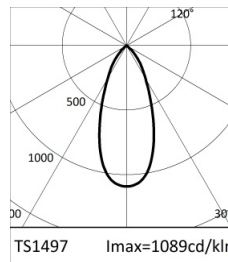


4000K		H(m)	D(m)	Emax(lx)	
Ra80			28°		
Fixture Power	69W	1	0.50	20866	
Source Flux	8864lm	2	1.01	5216	
Fixture Flux	5318lm	3	1.51	2318	
Efficacy	77lm/W	4	2.02	1304	
TS1496	Imax=2354cd/klm	Imax	20866cd	5	2.52 835

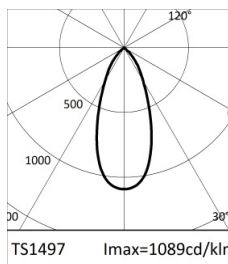
MEDIUM WIDE FLOOD



3000K		H(m)	D(m)	Emax(lx)	
Ra80			43°		
Fixture Power	54W	1	0.79	7950	
Source Flux	7302lm	2	1.58	1987	
Fixture Flux	5282lm	3	2.37	883	
Efficacy	98lm/W	4	3.15	497	
TS1497	Imax=1089cd/klm	Imax	7950cd	5	3.94 318



4000K		H(m)	D(m)	Emax(lx)	
Ra80			43°		
Fixture Power	54W	1	0.79	8140	
Source Flux	7477lm	2	1.58	2035	
Fixture Flux	5408lm	3	2.37	904	
Efficacy	100lm/W	4	3.15	509	
TS1497	Imax=1089cd/klm	Imax	8140cd	5	3.94 326



3000K		H(m)	D(m)	Emax(lx)	
Ra80			43°		
Fixture Power	69W	1	0.79	9425	
Source Flux	8657lm	2	1.58	2356	
Fixture Flux	6262lm	3	2.37	1047	
Efficacy	91lm/W	4	3.15	589	
TS1497	Imax=1089cd/klm	Imax	9425cd	5	3.94 377



4000K		H(m)	D(m)	Emax(lx)	
Ra80			43°		
Fixture Power	69W	1	0.79	9651	
Source Flux	8864lm	2	1.58	2413	
Fixture Flux	6411lm	3	2.37	1072	
Efficacy	93lm/W	4	3.15	603	
TS1497	Imax=1089cd/klm	Imax	9651cd	5	3.94 386

DART MAXI EVENT POLE

PHOTOMETRY

WIDE FLOOD

	3000K	H(m)	D(m)	E _{max} (lx)		
	Ra80	59°				
	Fixture Power	54W	1	1.14	5413	
	Source Flux	7302lm	2	2.28	1353	
	Fixture Flux	5290lm	3	3.42	601	
	Efficacy	98lm/W	4	4.56	338	
TS1498	I _{max} =741cd/klm	I _{max}	5414cd	5	5.70	217

	4000K	H(m)	D(m)	E _{max} (lx)		
	Ra80	59°				
	Fixture Power	54W	1	1.14	5543	
	Source Flux	7477lm	2	2.28	1386	
	Fixture Flux	5416lm	3	3.42	616	
	Efficacy	100lm/W	4	4.56	346	
TS1498	I _{max} =741cd/klm	I _{max}	5544cd	5	5.70	222

	3000K	H(m)	D(m)	E _{max} (lx)		
	Ra80	59°				
	Fixture Power	69W	1	1.14	6418	
	Source Flux	8657lm	2	2.28	1604	
	Fixture Flux	6271lm	3	3.42	713	
	Efficacy	91lm/W	4	4.56	401	
TS1498	I _{max} =741cd/klm	I _{max}	6419cd	5	5.70	257

	4000K	H(m)	D(m)	E _{max} (lx)		
	Ra80	59°				
	Fixture Power	69W	1	1.14	6571	
	Source Flux	8864lm	2	2.28	1643	
	Fixture Flux	6421lm	3	3.42	730	
	Efficacy	93lm/W	4	4.56	411	
TS1498	I _{max} =741cd/klm	I _{max}	6572cd	5	5.70	263

ASYMMETRIC

	3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	40°	70°				
	Fixture Power	54W	1	1.78	2.34	2635	
	Source Flux	7302lm	2	3.57	4.68	659	
	Fixture Flux	6255lm	3	5.35	7.01	293	
	Efficacy	116lm/W	4	7.13	9.35	165	
TS1499	I _{max} =891cd/klm	I _{max}	6509cd	5	8.91	11.69	105

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	40°	70°				
	Fixture Power	54W	1	1.78	2.34	2698	
	Source Flux	7477lm	2	3.57	4.68	675	
	Fixture Flux	6405lm	3	5.35	7.01	300	
	Efficacy	119lm/W	4	7.13	9.35	169	
TS1499	I _{max} =891cd/klm	I _{max}	6665cd	5	8.91	11.69	108

	3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	40°	70°				
	Fixture Power	69W	1	1.78	2.34	3124	
	Source Flux	8657lm	2	3.57	4.68	781	
	Fixture Flux	7416lm	3	5.35	7.01	347	
	Efficacy	108lm/W	4	7.13	9.35	195	
TS1499	I _{max} =891cd/klm	I _{max}	7717cd	5	8.91	11.69	125

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	40°	70°				
	Fixture Power	69W	1	1.78	2.34	3199	
	Source Flux	8864lm	2	3.57	4.68	800	
	Fixture Flux	7593lm	3	5.35	7.01	355	
	Efficacy	110lm/W	4	7.13	9.35	200	
TS1499	I _{max} =891cd/klm	I _{max}	7901cd	5	8.91	11.69	128