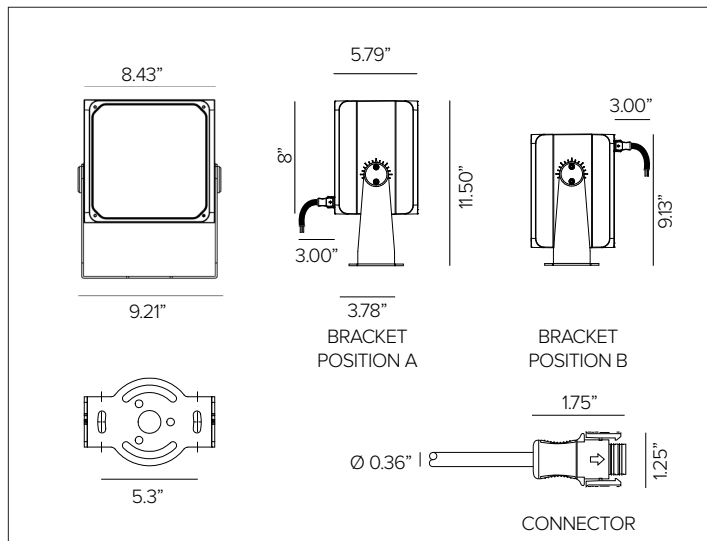


DART MAXI

Professional Adjustable Projector Floodlight



DART MAXI Shown in Ferrite Dark Grey Finish.



CONCEPT

Fully adjustable LED projector with high output.

MECHANICAL CHARACTERISTICS

Housing	8.43"W X 5.79"D
Materials	Die-cast aluminum powder coated body and joints for maximum heat dissipation. Marine Grade cataphoresis ⁶ available as optional.
Finish	Textured finish. <ul style="list-style-type: none"> ● Ferrite Dark Grey ● Heritage Brown ● Bronze ● Black ● White ● Sandstone Grey
Power Connection	Cabled with 10ft S00W 16-6 cable and DSMT anti-wicking quick disconnect.
Functionality	Adjustable up to ±45° on the horizontal plane with slotted mounting base and +90°/-45° on the vertical plane with aim locking set screw.
Mounting	Fixture can be installed directly to mounting surface or used with optional mounting installation accessories.
Weight	13lbs
Protection	IP66
Impact	IK10

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

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	17W (NSP), 54W / 69W nominal (SP / FL / MWFL / WFL / ASYM)
Voltage	Universal Voltage 120-277V AC 50/60Hz
Ambient Temp.	-25°C / +35°C (95°F)

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

OPTIC

Ra90 available upon request

Optical system is dependent on beam angle. NSP version comprised of multi-optic array with precision methacrylate lenses and holographic spread filter. SP / 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 / 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 5°	SP 20°	FL 28°	MWFL 43°	WFL 59°	ASYM 40°x70°	
Delivered Lumens	3000K	1,278Lm	4,621Lm	5,194Lm	6,262Lm	6,271Lm	7,416Lm
Data represents max output version only, refer to photometry section for all fixture variations.	4000K	1,378Lm	4,732Lm	5,318Lm	6,411Lm	6,421Lm	7,593Lm

For 2700K lumen values use multiplier of 0.96 from 3000K. For 3500K lumen values use multiplier of 1.01 from 3000K. For NSP optic 4000K only, use a multiplier of 1.08 from 3000K.

Efficacy	119Lm/W max. Refer to photometric graphs for specific values.
Lifetime	NSP: L96/B10 30,000hrs / L93/B10 50,000hrs at max TA +25°C All other optics: L96/B10 30,000hrs at max TA +25°C L93/B10 50,000hrs at max TA +25°C L90/B10 80,000hrs at max TA +25°C L87/B10 100,000hrs at max TA +25°C

Photobiological Classification Low risk safety RG1

DART MAXI

SPECIFICATION INFORMATION



Ex: DAL41FEL2SP30

1 - PRODUCT CODE	2 - DRIVER	3 - FINISH	4 - WATTAGE	5 - OPTIC	6 - KELVIN
DAL — DART MAXI	41 — 4/1 Smart Dimming (Non-Dimming / 0-10V / Reverse Phase / Forward Phase) DA — DALI 10^P — 0-10V DA — DALI	FE — Ferrite Dark Grey HB — Heritage Brown BZ — Bronze WT — White BT — Black SG — Sandstone Grey RAL — Custom RAL	L0^B — 17W	NS^B — NSP 5° SP^C — SP 20° FL^C — FL 28° MW^C — MWFL 43° WF^C — WFL 59° AS^C — ASYM 40°x70°	27 — 2700K
			L3^C — 54W		30 — 3000K
			L5^C — 69W		35 — 3500K
					40 — 4000K
7 - OPTIONAL	8 - OPTICAL ACCESSORIES		9 - INSTALLATION ACCESSORIES		
MG^F — Marine Grade PM — 25ft Cable	Filter Holder Ring See section for details Blade of Light Linear Spread Lens See section for details Anti-glare Louver See section for details Asymmetric Snoot See section for details		Rotational Bracket See section for details Earth spike See section for details Laser Pointer See section for details		

^A Marine Grade is recommended for use in environments with occasional exposure to salt air, reclaimed water, fertilizers, chemical cleaners, or frequent pressure washing (steam) cleaning. Fixture housing complete with marine grade cataphoresis suitable for use in marine grade environments. Not to be in direct contact with salt or corrosive agents for extended periods of time.

^B 17W available in NSP optic only.

^C 54W and 69W available in SP / FL / MWFL / WFL / ASYM optics only.

^P 0–10V only available with 69W version.

OPTIC VERSIONS

NSP OPTIC ONLY



SP / FL OPTICS



MWFL / WFL OPTICS



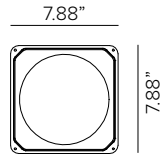
ASYM OPTIC ONLY



DART MAXI

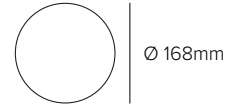
8 – OPTICAL ACCESSORIES (OPTIONAL)

MAXIMUM OF TWO ACCESSORIES PER FIXTURE.



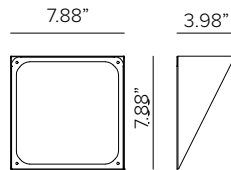
Filter holder ring. CNC machined anodized and powder coated aluminum. **Required for use of all filters.**

Part No. **1E3093** (*)



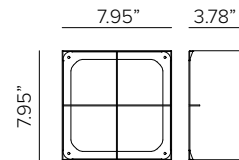
'Blade of Light' linear spread lens. PMMA holographic filter. **Not suitable for use with NSP and AYSM optics. To be completed with 1E3093 dedicated holder ring. Does not apply toward maximum accessory count.**

Part No. **1E3094**



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

Part No. **1E3095** (*)

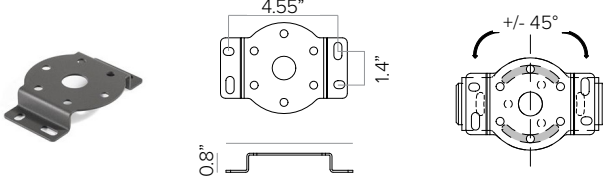


Anti glare louver with removable baffles for different levels of glare control. Powder coat stainless steel. Cutoff 47.3°. **Not compatible with 1E3095.**

Part No. **1E3096** (*)

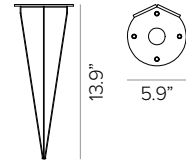
9 – INSTALLATION ACCESSORIES (OPTIONAL)

MAXIMUM OF ONE ACCESSORY PER FIXTURE.



Rotational bracket for surface installation. Powder coated stainless steel.

Part No. **1E3026** (*)



Earth spike. Powder coated stainless steel.

Part No. **1E3188** (*)



Laser pointing system. To be installed by friction on the projector's body. Powder coated stainless steel. Provided with laser. **Does not apply toward maximum accessory count.**

Part No. **1E3098**



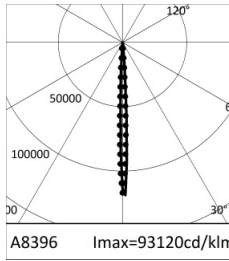
- Ferrite Dark Grey (Default)
- Heritage Brown (HB)*
- Bronze (BZ)*
- White (WT)*
- Black (BT)*
- Sandstone Grey (SG)*

*Add suffix to end of number to identify finish (EX. 1E3026HB)

DART MAXI

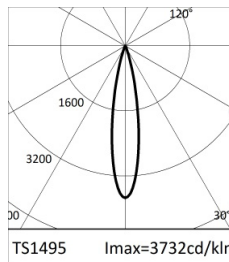
PHOTOMETRY

NARROW SPOT

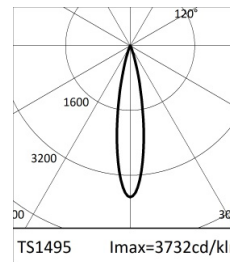


3000K		H(m)	D1(m)	D2(m)	Emax(lx)		
Ra80			5°	5°			
Fixture Power	17W	1	0.08	0.08	119004		
Source Flux	1278lm	2	0.16	0.16	29751		
Fixture Flux	1278lm	3	0.24	0.25	13223		
Efficacy	75lm/W	4	0.33	0.33	7438		
A8396	Imax=93120cd/klm	Imax	119004cd	5	0.41	0.41	4760

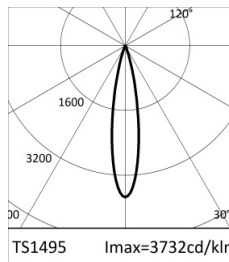
SPOT



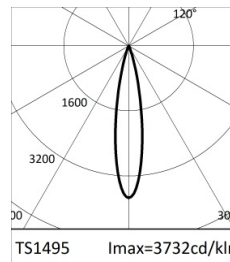
3000K		H(m)	D(m)	Emax(lx)		
Ra80			20°			
Fixture Power	54W	1	0.35	27248		
Source Flux	7302lm	2	0.70	6812		
Fixture Flux	3898lm	3	1.05	3028		
Efficacy	72lm/W	4	1.40	1703		
TS1495	Imax=3732cd/klm	Imax	27248cd	5	1.75	1090



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	Imax=3732cd/klm	Imax	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	Imax=3732cd/klm	Imax	32304cd	5	1.75	1292

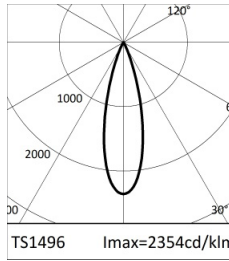


4000K		H(m)	D(m)	Emax(lx)		
Ra80			20°			
Fixture Power	69W	1	0.35	33077		
Source Flux	8864lm	2	0.70	8269		
Fixture Flux	4732lm	3	1.05	3675		
Efficacy	69lm/W	4	1.40	2067		
TS1495	Imax=3732cd/klm	Imax	33077cd	5	1.75	1323

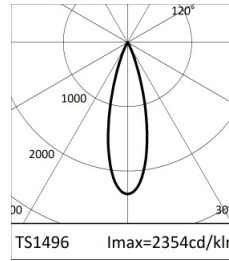
DART MAXI

PHOTOMETRY

FLOOD



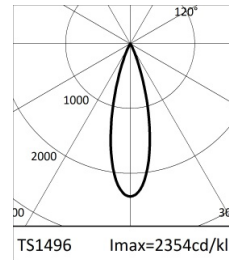
3000K		H(m)	D(m)	Emax(lx)		
Ra80			28°			
Fixture Power	54W	1	0.50	17189		
Source Flux	7302lm	2	1.01	4297		
Fixture Flux	4381lm	3	1.51	1910		
Efficacy	81lm/W	4	2.02	1074		
TS1496	Imax=2354cd/klm	Imax	17189cd	5	2.52	688



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

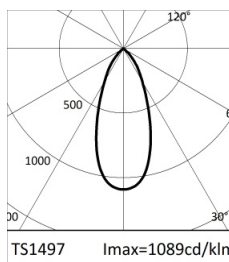


3000K		H(m)	D(m)	Emax(lx)		
Ra80			28°			
Fixture Power	69W	1	0.50	20378		
Source Flux	8657lm	2	1.01	5095		
Fixture Flux	5194lm	3	1.51	2264		
Efficacy	75lm/W	4	2.02	1274		
TS1496	Imax=2354cd/klm	Imax	20378cd	5	2.52	815

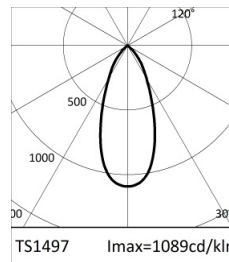


4000K		H(m)	D(m)	Emax(lx)		
Ra80			28°			
Fixture Power	69W	1	0.50	20866		
Source Flux	8864lm	2	1.01	5216		
Fixture Flux	5318lm	3	1.51	2318		
Efficacy	77lm/W	4	2.02	1304		
TS1496	Imax=2354cd/klm	Imax	20866cd	5	2.52	835

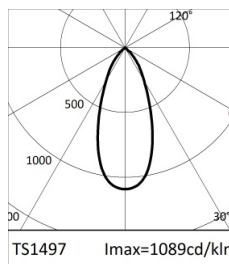
MEDIUM WIDE FLOOD



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

PHOTOMETRY

WIDE FLOOD

3000K		H(m)	D(m)	Emax(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)	Emax(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)	Emax(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)	Emax(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)	Emax(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)	Emax(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)	Emax(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)	Emax(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