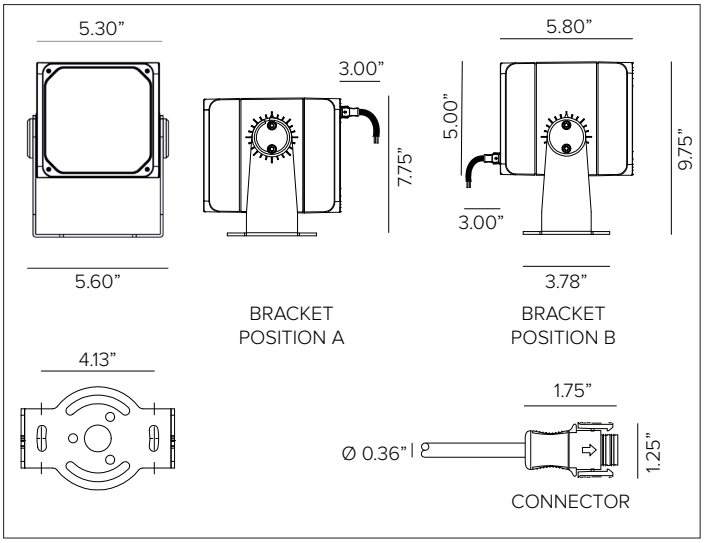
DART MEDIUM

Professional Adjustable Projector Floodlight

DART MEDIUM Shown in Ferrite Dark Grey Finish.



Marine[E] RoHS3 COMPLIANT IP66 c UL us

CONCEPT

Small footprint fully adjustable LED flood light projector.

MECHANICAL CHARACTERISTICS

Housing	5.30"W x 5.80"D
Materials	Die-cast aluminum powder coated body and joints for maximum heat dissipation. Marine Grade cataphoresis[E] available as optional.
Finish	Textured finish. Ferrite Dark Grey · Heritage Brown · Bronze Black · White · Sandstone Grey
Power Connection	Cabled with 10ft SJ00W 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	7lbs
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

SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

ELECTRICAL CHARACTERISTICS

Power Supply	Integral 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°***
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

SPECIFICATION INFORMATION

DAM						/	/	/	
	2	3	4	5	6	7	8	9	

Ex: DAM41FEL2SP30

OPTIONAL

1 - PRODUCT CODE	*2 - DRIVER*	*3 - FINISH*	*4 - WATTAGE*	*5 - OPTIC*	*6 - KELVIN*
DAM — DART MEDIUM	**41** – 4/1 Smart Dimming *(Non-Dimming / 0-10V / Reverse Phase / Forward Phase)*	**FE** — Ferrite Dark Grey **HB** — Heritage Brown **BZ** — Bronze **WT** — White **BT** — Black **SG** — Sandstone Grey **RAL** — Custom RAL	**L1**[C] — 19W **L2**[D] — 36W	**NS**[B] — 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

7 - OPTIONAL	*8 - OPTICAL ACCESSORIES*	*9 - INSTALLATION ACCESSORIES*
MG[E] — Marine Grade	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* LumiShape *See section for details*	Rotational Bracket *See section for details* Back Plate *See section for details* Earth Spike *See section for details* Laser Pointer *See section for details*

[B] NS option not available in 2700K or 3500K.
[C] 19W available in NSP optic only.
[D] 34W available in SP / FL / MWFL / WFL / NASYM / ASYM optics only.
[E] 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.

OPTIC VERSIONS

NSP OPTIC ONLY

SP / FL OPTICS

MWFL / WF OPTICS

NASYM / ASYM OPTICS

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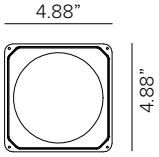
8 – OPTICAL ACCESSORIES (OPTIONAL)

MAXIMUM OF TWO ACCESSORIES PER FIXTURE.

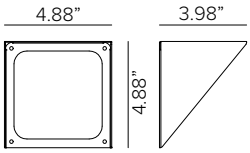


Filter holder ring. CNC machined anodized and powder coated aluminum. **Required for use of all filters.**

Part No. **1E3022** (*)

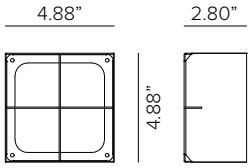
‘Blade of Light’ linear spread lens. PMMA holographic filter. **Not suitable for use with NSP and AYSM optics**. **To be completed with 1E3022 dedicated holder ring. Does not apply toward maximum accessory count.**

Part No. **1E3023** (*)



Asymmetric snoot. Powder coated stainless steel. Cutoff 27.6°. **Not compatible with 1E3025.**

Part No. **1E3024** (*)



Anti glare louver with removable baffles for different levels of glare control. Extruded powder coat stainless steel. Cutoff 39.2°. **Not compatible with 1E3024**.

Part No. **1E3025** (*)

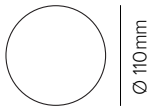
Ferrite Dark Grey *(Default)* Heritage Brown (**HB**)* Bronze (**BZ**)* White (**WT**)* Black (**BT**)* Sandstone Grey (**SG**)*

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

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.**

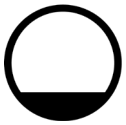
Finish Deep Black

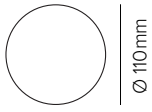
Part No. **LS11004**

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**

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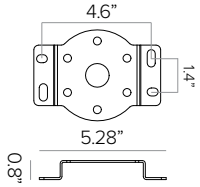
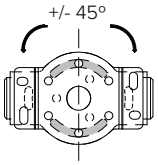
9 – INSTALLATION ACCESSORIES (OPTIONAL)

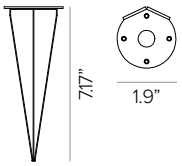
MAXIMUM OF ONE ACCESSORY PER FIXTURE





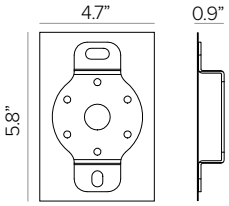
Rotational bracket for surface installation. Powder coated stainless steel.

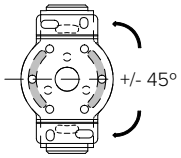
Part No. **1E3026** (*)



Earth spike. Powder coated stainless steel.

Part No. **1E3028** (*)





Back plate with rotational bracket for wall mount installation. Powder coated stainless steel with Neoprene black foam. Included with 1E3026 and factory attached Stainless Steel black oxide bolts and locking nuts.

Part No. **1US3026** (*)

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. **1E3029**

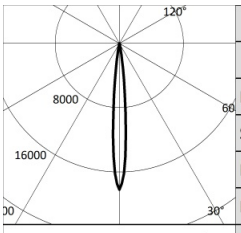
Ferrite Dark Grey *(Default)* | Heritage Brown (**HB**)* | Bronze (**BZ**)* | White (**WT**)* | Black (**BT**)* | Sandstone Grey (**SG**)*

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

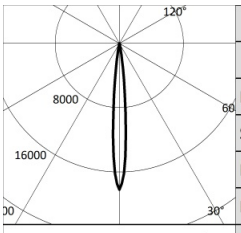
DART MEDIUM

PHOTOMETRY

NARROW SPOT

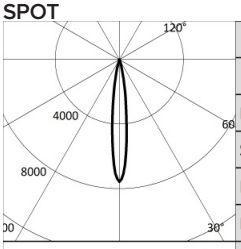


3000K		H(m)	D(m)	Emax(lx)
Ra80			10°	
Fixture Power	19W	1	0.17	24179
Source Flux	1332lm	2	0.34	6045
Fixture Flux	1008lm	3	0.51	2687
Efficacy	53lm/W	4	0.68	1511
TS1512 Imax=18153cd/klm	Imax 24179cd	5	0.86	967

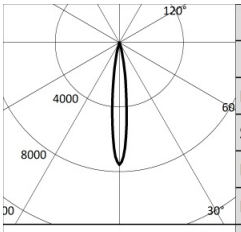


4000K		H(m)	D(m)	Emax(lx)
Ra80			10°	
Fixture Power	19W	1	0.17	25613
Source Flux	1411lm	2	0.34	6403
Fixture Flux	1068lm	3	0.51	2846
Efficacy	56lm/W	4	0.68	1601
TS1512 Imax=18153cd/klm	Imax 25613cd	5	0.86	1025

SPOT

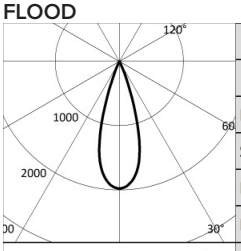


3000K		H(m)	D(m)	Emax(lx)
Ra80			14°	
Fixture Power	36W	1	0.24	32755
Source Flux	4336lm	2	0.47	8189
Fixture Flux	2560lm	3	0.71	3639
Efficacy	71lm/W	4	0.95	2047
TS1500 Imax=7554cd/klm	Imax 32755cd	5	1.18	1310

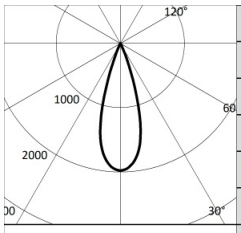


4000K		H(m)	D(m)	Emax(lx)
Ra80			14°	
Fixture Power	36W	1	0.24	33020
Source Flux	4371lm	2	0.47	8255
Fixture Flux	2581lm	3	0.71	3669
Efficacy	71lm/W	4	0.95	2064
TS1500 Imax=7554cd/klm	Imax 33020cd	5	1.18	1321

FLOOD

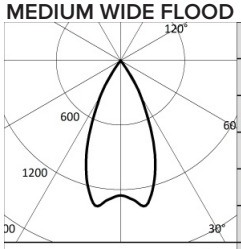


3000K		H(m)	D(m)	Emax(lx)
Ra80			32°	
Fixture Power	36W	1	0.58	8554
Source Flux	4336lm	2	1.16	2139
Fixture Flux	2403lm	3	1.74	950
Efficacy	66lm/W	4	2.33	535
TS1501 Imax=1973cd/klm	Imax 8554cd	5	2.91	342

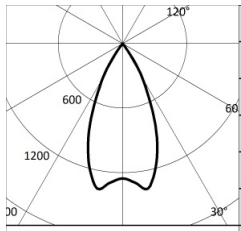


4000K		H(m)	D(m)	Emax(lx)
Ra80			32°	
Fixture Power	36W	1	0.58	8623
Source Flux	4371lm	2	1.16	2156
Fixture Flux	2422lm	3	1.74	958
Efficacy	67lm/W	4	2.33	539
TS1501 Imax=1973cd/klm	Imax 8623cd	5	2.91	345

MEDIUM WIDE FLOOD

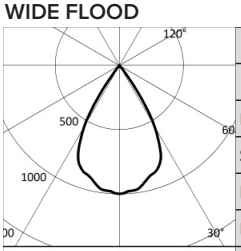


3000K		H(m)	D(m)	Emax(lx)
Ra80			48°	
Fixture Power	33W	1	0.89	6540
Source Flux	4963lm	2	1.78	1635
Fixture Flux	4145lm	3	2.68	727
Efficacy	125lm/W	4	3.57	409
TS1502 Imax=1366cd/klm	Imax 6778cd	5	4.46	262

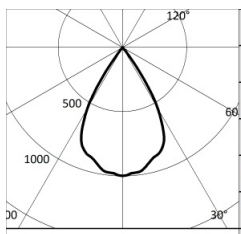


4000K		H(m)	D(m)	Emax(lx)
Ra80			48°	
Fixture Power	33W	1	0.89	6697
Source Flux	5082lm	2	1.78	1674
Fixture Flux	4244lm	3	2.68	744
Efficacy	128lm/W	4	3.57	419
TS1502 Imax=1366cd/klm	Imax 6940cd	5	4.46	268

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

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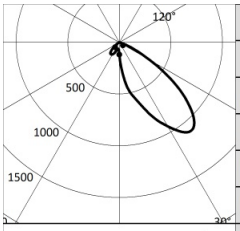
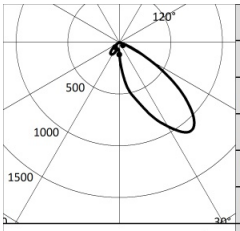
PHOTOMETRY

NARROW ASYMMETRIC

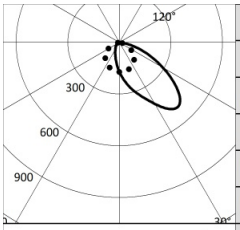


3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			41°	52°	
Fixture Power	33W	1	1.20	1.26	3026
Source Flux	4963lm	2	2.41	2.52	756
Fixture Flux	3845lm	3	3.61	3.78	336
Efficacy	116lm/W	4	4.81	5.04	189
TS1505 Imax=1098cd/klm	Imax 5449cd	5	6.02	6.29	121

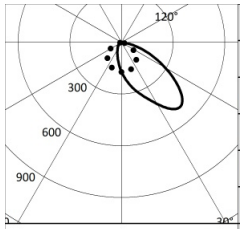


4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			41°	52°	
Fixture Power	33W	1	1.20	1.26	3098
Source Flux	5082lm	2	2.41	2.52	775
Fixture Flux	3938lm	3	3.61	3.78	344
Efficacy	119lm/W	4	4.81	5.04	194
TS1505 Imax=1098cd/klm	Imax 5580cd	5	6.02	6.29	124

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 Imax=504cd/klm	Imax 2503cd	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 Imax=504cd/klm	Imax 2563cd	5	8.60	11.94	54