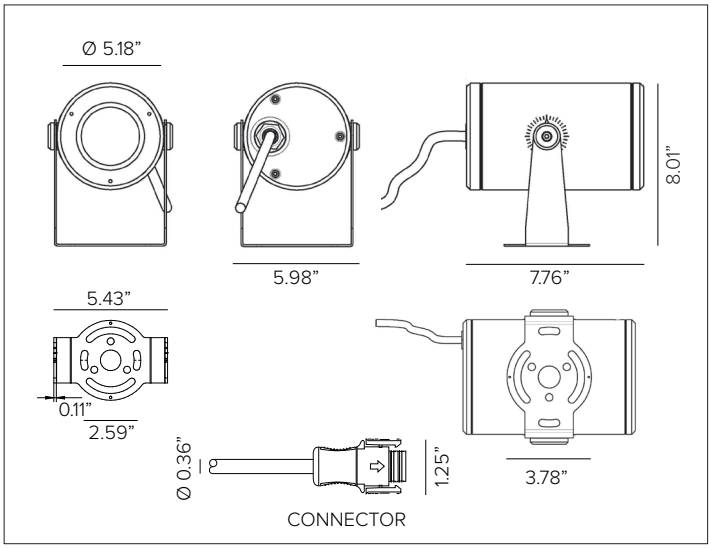
DART ROUND MEDIUM

Professional Adjustable Projector Floodlight

DART MEDIUM ROUND shown in Ferrite Dark Grey finish.



Marine | RoHS3 COMPLIANT | IP66 | cULus

CONCEPT

Small footprint fully adjustable LED flood light projector.

MECHANICAL CHARACTERISTICS

Housing	8.01"H x 5.98"W x 7.76"D
Materials	Die-cast aluminum powder coated body and joints for maximum heat dissipation.
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 ±60° 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	Integrated 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Phase / Forward Phase).
Wattage	8W (NSP) / 33W nominal (SP / FL / MWFL / WFL)
Voltage	Universal Voltage 120-277V AC 50/60Hz

SOURCE

NSP optic uses high efficiency LED Emitter. SP / FL / MWFL / WFL 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
	5000K	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.

Beam		*NSP 5°*	*SP 14°*	*FL 36°*	*MWFL 46°*	*WFL 56°*
Delivered Lumens	***3000K***	518Lm	2325Lm	2042Lm	4108Lm	4148Lm
	4000K	558Lm	2344Lm	2059Lm	4206Lm	4247Lm

For 2700K lumen values use multiplier of 0.96 from 3000K. For 3500K lumen values use multiplier of 1.02 from 3000K. For 5000K lumen values use multiplier of 1.02 from 4000K.

Efficacy	118Lm/W max. Refer to photometric graphs for specific values.
Lifetime	NSP: L96/B10 30,000hrs / L95/B10 50,000hrs at max TA +25ºC SP / FL: L89/B10 30,000hrs / L85/B10 50,000hrs / L78/B10 80,000hrs / L74/B10 100,000hrs at max TA +25ºC MWFL / WFL: L91/B10 30,000hrs / L88/B10 50,000hrs / L84/B10 80,000hrs / L81/B10 100,000hrs at max TA +25ºC
Photobiological Classification	Low risk safety RG1

DART ROUND MEDIUM

SPECIFICATION INFORMATION

DRM						/	/	
1	2	3	4	5	6	7	8	9

Ex: DRM41FEL2SP30

OPTIONAL

1 - PRODUCT CODE	2 - DRIVER	3 - FINISH	4 - WATTAGE	5 - OPTIC	6 - KELVIN
DRM — DART ROUND 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** [B] — 8W **L2** [C] — 33W	**NS** — NSP 5° **SP** — SP 14° **FL** — FL 36° **MW** — MWFL 46° **WF** — WFL 56°	**27** — 2700K **30** — 3000K **35** — 3500K **40** — 4000K **50** — 5000K

7 - OPTIONAL	8 - EXTERNAL OPTICAL ACCESSORIES	9 - INSTALLATION ACCESSORIES
MG [A] — Marine Grade	Blade of Light Linear Spread Lens *See section for details* Anti-glare Louver *See section for details* Asymmetric Snoot *See section for details* Symmetric Snoot *See section for details* Symmetric Super Snoot *See section for details*	Rotational Bracket *See section for details* Earth spike *See section for details* Back Plate *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] 8W available with NSP only.
[C] 33W available with SP, FL, MWFL and WFL only.

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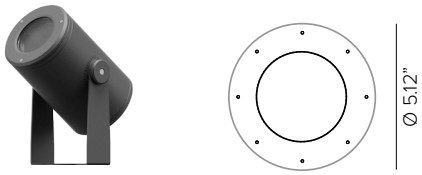
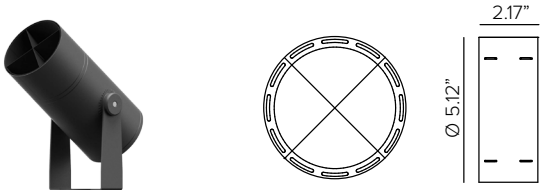
8 - EXTERNAL OPTICAL ACCESSORIES (OPTIONAL)



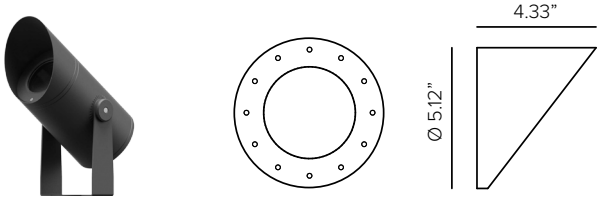
Blade Light Linear Spread Lens. PMMA holographic filter.

Part No. **1E4006 (*)**



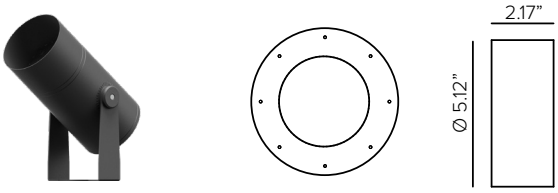
Anti glare louver with removable baffles for different levels of glare control. Powder coat stainless steel. Cutoff 114°. **Not compatible with 1E4007, 1E4008 or 1E4058.**

Part No. **1E4009 (*)**



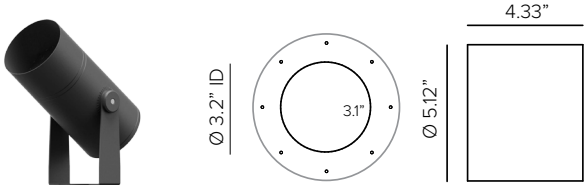
Asymmetric snoot. Powder coated stainless steel. Cutoff 52°. **Not compatible with 1E4009, 1E4008 or 1E4058.**

Part No. **1E4007 (*)**



Symmetric snoot. Powder coated stainless steel. Cutoff 102°. **Not compatible with 1E4007, 1E4009 or 1E4058.**

Part No. **1E4008 (*)**



Symmetric super snoot. Powder coated stainless steel. Cutoff 44°. **Not compatible with 1E4007, 1E4008 or 1E4009.**

Part No. **1E4058 (*)**

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. 1E4006HB)

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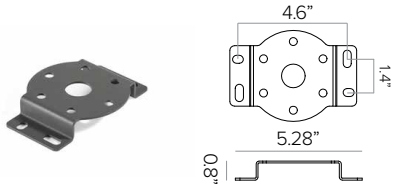
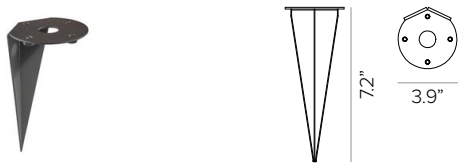
9 - INSTALLATION ACCESSORIES (OPTIONAL)

MAXIMUM OF ONE ACCESSORY PER FIXTURE



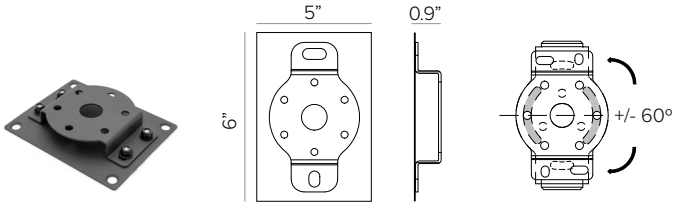
Rotational bracket for surface installation. Powder coated stainless steel.

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** (*)

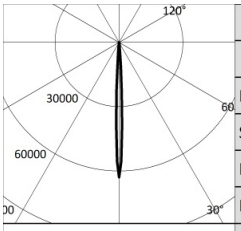
Ferrite Dark Grey *(Default)* · Heritage Brown (**HB**)* · Bronze (**BZ**)* · White (**WT**)* · Black (**BT**)* · Sandstone Grey (**SG**)*

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

DART ROUND MEDIUM

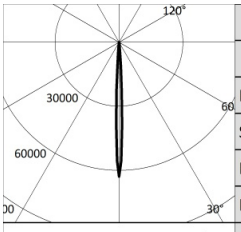
PHOTOMETRY

NARROW SPOT



3000K		H(m)	D(m)	Emax(lx)
Ra80			5°	
Fixture Power	8W	1	0.09	43282
Source Flux	690lm	2	0.17	10820
Fixture Flux	518lm	3	0.26	4809
Efficacy	65lm/W	4	0.34	2705
Imax	43282cd	5	0.43	1731

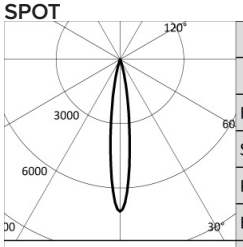
TS1668 Imax=62727cd/klm



4000K		H(m)	D(m)	Emax(lx)
Ra80			5°	
Fixture Power	8W	1	0.09	46669
Source Flux	744lm	2	0.17	11667
Fixture Flux	558lm	3	0.26	5185
Efficacy	70lm/W	4	0.34	2917
Imax	46669cd	5	0.43	1867

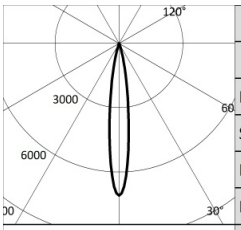
TS1668 Imax=62727cd/klm

SPOT



3000K		H(m)	D(m)	Emax(lx)
Ra80			14°	
Fixture Power	28W	1	0.25	26118
Source Flux	3687lm	2	0.51	6530
Fixture Flux	2325lm	3	0.76	2902
Efficacy	84lm/W	4	1.02	1632
Imax	26118cd	5	1.27	1045

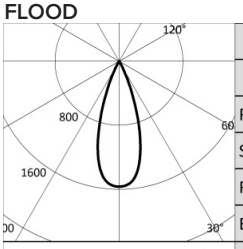
TS1669 Imax=7084cd/klm



4000K		H(m)	D(m)	Emax(lx)
Ra80			14°	
Fixture Power	28W	1	0.25	26331
Source Flux	3717lm	2	0.51	6583
Fixture Flux	2344lm	3	0.76	2926
Efficacy	84lm/W	4	1.02	1646
Imax	26331cd	5	1.27	1053

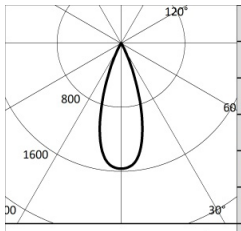
TS1669 Imax=7084cd/klm

FLOOD



3000K		H(m)	D(m)	Emax(lx)
Ra80			36°	
Fixture Power	28W	1	0.64	5760
Source Flux	3687lm	2	1.28	1440
Fixture Flux	2042lm	3	1.92	640
Efficacy	73lm/W	4	2.56	360
Imax	5760cd	5	3.20	230

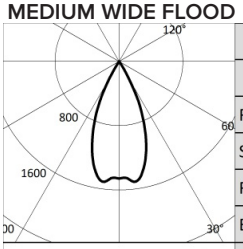
TS1670 Imax=1562cd/klm



4000K		H(m)	D(m)	Emax(lx)
Ra80			36°	
Fixture Power	28W	1	0.64	5807
Source Flux	3717lm	2	1.28	1452
Fixture Flux	2059lm	3	1.92	645
Efficacy	74lm/W	4	2.56	363
Imax	5807cd	5	3.20	232

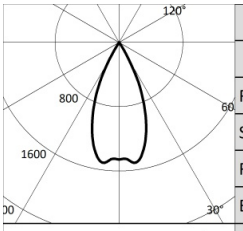
TS1670 Imax=1562cd/klm

MEDIUM WIDE FLOOD



3000K		H(m)	D(m)	Emax(lx)
Ra80			46°	
Fixture Power	33W	1	0.85	7462
Source Flux	5072lm	2	1.71	1866
Fixture Flux	4108lm	3	2.56	829
Efficacy	124lm/W	4	3.41	466
Imax	7642cd	5	4.26	298

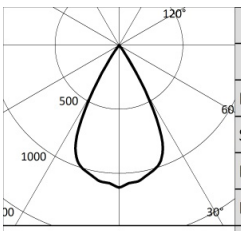
TS1671 Imax=1507cd/klm



4000K		H(m)	D(m)	Emax(lx)
Ra80			46°	
Fixture Power	33W	1	0.85	7640
Source Flux	5193lm	2	1.71	1910
Fixture Flux	4206lm	3	2.56	849
Efficacy	127lm/W	4	3.41	478
Imax	7824cd	5	4.26	306

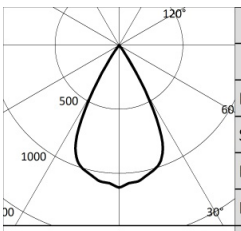
TS1671 Imax=1507cd/klm

WIDE FLOOD



3000K		H(m)	D(m)	Emax(lx)
Ra80			56°	
Fixture Power	33W	1	1.07	5623
Source Flux	5072lm	2	2.14	1406
Fixture Flux	4148lm	3	3.20	625
Efficacy	125lm/W	4	4.27	351
Imax	5623cd	5	5.34	225

TS1672 Imax=1109cd/klm



4000K		H(m)	D(m)	Emax(lx)
Ra80			56°	
Fixture Power	33W	1	1.07	5757
Source Flux	5193lm	2	2.14	1439
Fixture Flux	4247lm	3	3.20	640
Efficacy	128lm/W	4	4.27	360
Imax	5757cd	5	5.34	230

TS1672 Imax=1109cd/klm