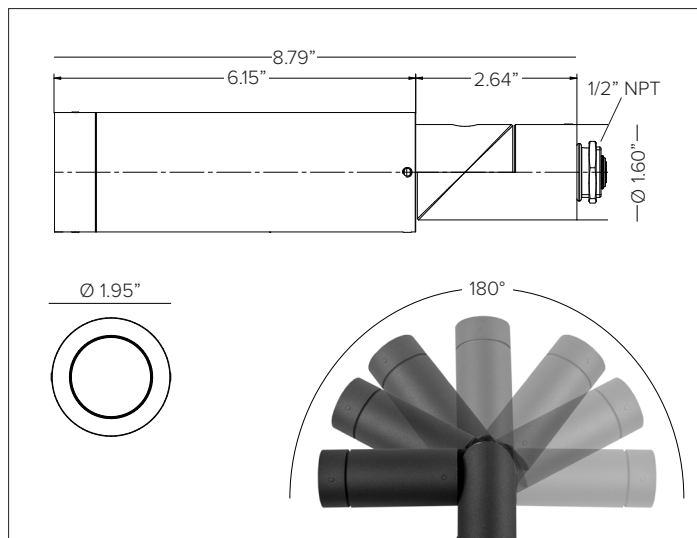


BULLETTO LINE

Compact Adjustable Floodlight Projector



BULLETTO LINE shown in Ferrite Dark Grey finish.



CONCEPT

Compact projector flood light for high intensity applications.

MECHANICAL CHARACTERISTICS

Housing	1.95" W x 8.79"D
Materials	Aluminum body and joints for maximum heat dissipation.
Finish	Textured finish. ● Ferrite Dark Grey ● Heritage Brown ● Bronze ● Black ● White ● Sandstone Grey
Power Connection	Pre-cabled with 10' Belden direct burial 18-6 cable, optional 25ft length for pole mounting.
Functionality	Modular body for toolless maintenance. IP66 protection rated optical chamber with removable front cap for simple toolless field interchangeability of optics and accessories.
Mounting	Adjustable up to 180° on the vertical surface with aim lock set screw, 360° rotatable on the horizontal axis. Brass counter nut with 1/2" NPS mounting stem suitable for direct j-box mount. Optional installation accessories for additional mountings.
Weight	2lbs
Protection	IP66
Impact	IK08

CERTIFICATIONS

cULus Wet Location Listed E479873.
 Tested in accordance with LM-79-08.
 Compliant for California installations.
 IEC 62471
 RoHS3 EU 215/863
 °CEC T24 JA8-2019-E certified.

WARRANTY

5 year limited warranty
 A Fixture suitable for use in marine grade environments. Not to be in direct contact with salt or corrosive agents for extended periods of time.

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) flicker free dimming.
Wattage	9W (NSP) / 17W (SP/FL/MFL/WFL)
Voltage	Universal Voltage 120-277V AC 50/60Hz
Ambient Temp.	-25°C / +35°C (95°F)

SOURCE

High efficiency LED Emitter

TM30	CCT (Nominal)	CRI	Rf	Rg	SDCM
	2700K	90	88	95	2
	3000K	90	91	98	2
	3500K	90	89	96	2
	4000K	90	88	94	2

OPTIC

Optical system is dependent on beam angle. NSP version PMMA lens and fixed holographic filter. SP / FL / MWFL / WFL versions equipped with PMMA lens and interchangeable optical holographic lens, factory preset per specified optic with other beams included in packaging.

Beam	NSP 9°	SP 16°	FL 25°	MWFL 31°	WFL 42°
Delivered Lumens	2700K 407Lm	1008Lm	979Lm	930Lm	764Lm
	3000K 430Lm	1085Lm	1054Lm	1001Lm	823Lm
	3500K 445Lm	1119Lm	1088Lm	1033Lm	849Lm
	4000K 460Lm	1153Lm	1120Lm	1063Lm	874Lm
Efficacy	70Lm/W max. Refer to photometric graphs for specific values.				
Lifetime	L96/B10 30,000hrs at max TA +25°C L95/B10 50,000hrs at max TA +25°C L94/B10 80,000hrs at max TA +25°C L93/B10 100,000hrs at max TA +25°C				

Photobiological Classification Low risk safety RG1

BULLETTO LINE

SPECIFICATION INFORMATION



Ex: BLL41FEL1NS30

1 - PRODUCT CODE	2 - DRIVER	3 - FINISH	4 - WATTAGE	5 - OPTIC	6 - KELVIN
BLL — BULLETTO LINE	41 — 4/1 Smart Dimming (0-10V / Reverse Phase / Triac / Non-Dimming)	FE — Ferrite Dark Grey HB — Heritage Brown BZ — Bronze WT — White BT — Black SG — Sandstone Grey RAL — Custom RAL	L1 — 7W L2 — 17W	NS — NSP 9° SP — SP 16° FL — FL 25° MF — MWFL 31° WF — WFL 42°	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K
7 - OPTICAL ACCESSORIES		8 - INSTALLATION ACCESSORIES		9 - TREE INSTALLATION ACCESSORIES	
Blade of Light Linear Spread Lens See section for details Anti-glare Louver See section for details Asymmetric Screen See section for details Lumishape See section for details		Surface Mount Bracket See section for details Low Profile Surface Canopy See section for details Earth Spike See section for details		Tree Strap See section for details Fixture Bracket See section for details Mesh Protective Wiring See section for details	

JAS COMPLIANT BULLETTO LINE 17W version ONLY.

OPTIC DETAILS

Fixed Optic (NSP)



*Interchangeable Multi Optic (SP / FL / MWFL / WFL)
 Factory preset per specified optic with other beams included in packaging.*



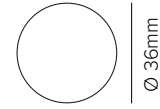
BULLETTO LINE

7 – OPTICAL ACCESSORIES (OPTIONAL)



Integral 'Blade of Light' linear spread lens PMMA holographic filter.

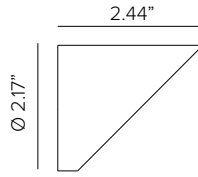
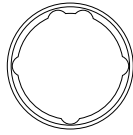
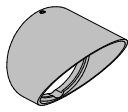
Part No. **1E3790**



Integral honeycomb anti-glare louver.

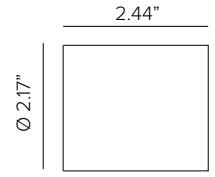
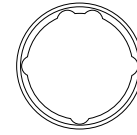
Finish ● Deep Black

Part No. **1E3792**



External asymmetric snoot. Powder coated stainless steel. Cutoff 20°.

Part No. **1E3788 (*)**



External super snoot. Powder coated stainless steel.

Part No. **1E4379 (*)**

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

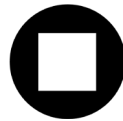
***Add suffix to end of number to identify finish (EX. 1E3788HB)**



Water jet cut stainless steel round circular LUMISHAPE light shield. **Compatible with NS optic only.**

Finish ● Deep Black

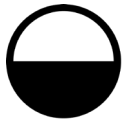
Part No. **LS03602**



Water jet cut stainless steel regular square LUMISHAPE light shield. **Compatible with NS optic only.**

Finish ● Deep Black

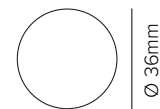
Part No. **LS03604**



Water jet cut stainless steel half LUMISHAPE light shield. **Stackable up to 4pcs per fixture; 4pcs accounts to 1 accessory toward maximum accessory count. Compatible with NS optic only.**

Finish ● Deep Black

Part No. **LS03605**



Water jet cut stainless steel quarter LUMISHAPE light shield. **Stackable up to 4pcs per fixture; 4pcs accounts to 1 accessory toward maximum accessory count. Compatible with NS optic only.**

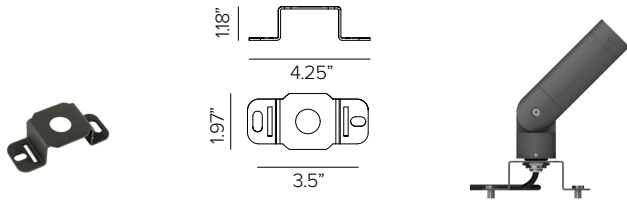
Finish ● Deep Black

Part No. **LS03606**

BULLETTO LINE

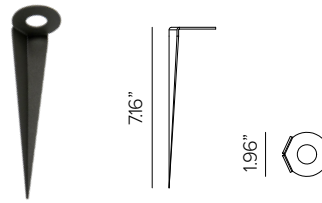
8 – INSTALLATION ACCESSORIES (OPTIONAL)

MAXIMUM OF ONE ACCESSORY PER FIXTURE



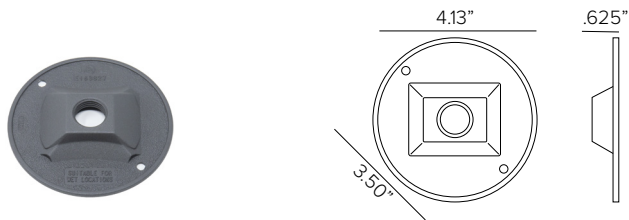
Surface mounting bracket. Powder coated stainless steel.

Part No. **1E3786** (*)



Earth spike. Powder coated stainless steel.

Part No. **1E3785** (*)



Low Profile surface canopy. Powder coated aluminum with 1/2" NPT to mount over standard 4" Dia. round outdoor j-box.

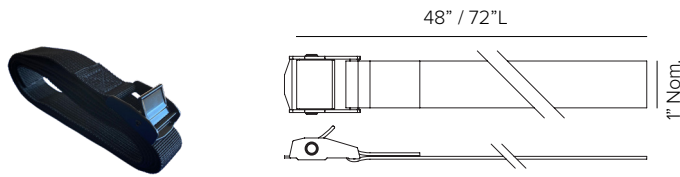
Part No. **1BLTSMCVR** (*)

- 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. 1E3786HB)**

BULLETTO LINE

9 – TREE MOUNTING INSTALLATION (OPTIONAL)



Tree strap. Durable marine grade polypropylene webbing flexible strap with stainless steel cam buckle. **Maximum of 4ea fixture brackets per single strap. (REQUIRED FOR TREE MOUNTING)**

Finish ● Black ● Coyote Brown ● Silver Grey ● Graphite Grey

Length 48"

Part No. **TTS01S48BK** **TTS01S48BR** **TTS01S48SG** **TTS01S48GG**

Length 72"

Part No. **TTS01S72BK** **TTS01S72BR** **TTS01S72SG** **TTS01S72GG**



Fixture bracket comprised of powder coated stainless steel for use with tree strap. **Maximum of 4ea fixture brackets per single strap. (REQUIRED FOR TREE MOUNTING)**

Finish ● Black ● Bronze ● Sandstone Grey ● Ferrite Dark Grey

Part No. **TTB01SBK** **TTB01SBZ** **TTB01SSG** **TTB01SFG**



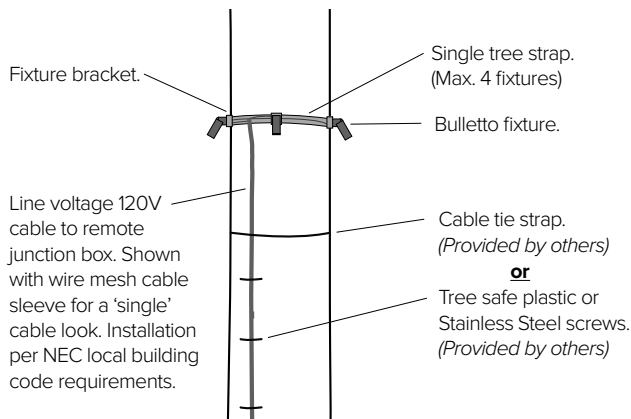
Mesh wire protection cable sleeve, available per foot. Comprised of braided polyethylene terephthalate (PET) mono-filament webbing resistant to chemical degradation, UV radiation, and abrasion. **To be used in installations where multiple cables can be combined into a 'single' cable look and/or to conceal the cable to match the finish of the surface. (OPTIONAL)**

Finish ● Black ● Coyote Brown ● Silver Grey ● Graphite Grey

Part No. **TTMW01BK** **TTMW01BR** **TTMW01SG** **TTMW01GG**

TREE WIRING CONFIGURATION

Note: Suggested to adjust the strap every 6 months in order to prevent tree damage.



BULLETTO LINE

PHOTOMETRY

NARROW SPOT

2700K		H(m)	D(m)	Emax(lx)	
Ra90			9°		
Fixture Power	7W	1	0.16	5550	
Source Flux	500lm	2	0.31	1387	
Fixture Flux	407lm	3	0.47	617	
Efficacy	62lm/W	4	0.62	347	
A6338	Imax=11100cd/klm	Imax	5550cd	5	0.78 222

3000K		H(m)	D(m)	Emax(lx)	
Ra90			9°		
Fixture Power	7W	1	0.16	5861	
Source Flux	528lm	2	0.31	1465	
Fixture Flux	430lm	3	0.47	651	
Efficacy	65lm/W	4	0.62	366	
A6292	Imax=11100cd/klm	Imax	5861cd	5	0.78 234

3500K		H(m)	D(m)	Emax(lx)	
Ra90			9°		
Fixture Power	7W	1	0.16	6072	
Source Flux	547lm	2	0.31	1518	
Fixture Flux	445lm	3	0.47	675	
Efficacy	67lm/W	4	0.62	380	
A6339	Imax=11101cd/klm	Imax	6072cd	5	0.78 243

4000K		H(m)	D(m)	Emax(lx)	
Ra90			9°		
Fixture Power	7W	1	0.16	6271	
Source Flux	565lm	2	0.31	1568	
Fixture Flux	460lm	3	0.47	697	
Efficacy	70lm/W	4	0.62	392	
A6340	Imax=11099cd/klm	Imax	6271cd	5	0.78 251

SPOT

2700K		H(m)	D(m)	Emax(lx)	
Ra90			16°		
Fixture Power	17W	1	0.28	7804	
Source Flux	1394lm	2	0.56	1951	
Fixture Flux	1008lm	3	0.84	867	
Efficacy	59lm/W	4	1.12	488	
A6341	Imax=5598cd/klm	Imax	7804cd	5	1.40 312

3000K		H(m)	D(m)	Emax(lx)	
Ra90			16°		
Fixture Power	17W	1	0.28	8403	
Source Flux	1501lm	2	0.56	2101	
Fixture Flux	1085lm	3	0.84	934	
Efficacy	64lm/W	4	1.12	525	
A6291	Imax=5598cd/klm	Imax	8403cd	5	1.40 336

3500K		H(m)	D(m)	Emax(lx)	
Ra90			16°		
Fixture Power	17W	1	0.28	8666	
Source Flux	1548lm	2	0.56	2166	
Fixture Flux	1119lm	3	0.84	963	
Efficacy	66lm/W	4	1.12	542	
A6342	Imax=5598cd/klm	Imax	8666cd	5	1.40 347

4000K		H(m)	D(m)	Emax(lx)	
Ra90			16°		
Fixture Power	17W	1	0.28	8924	
Source Flux	1594lm	2	0.56	2231	
Fixture Flux	1153lm	3	0.84	992	
Efficacy	68lm/W	4	1.12	558	
A6343	Imax=5598cd/klm	Imax	8924cd	5	1.40 357

FLOOD

2700K		H(m)	D(m)	Emax(lx)	
Ra90			25°		
Fixture Power	17W	1	0.45	3823	
Source Flux	1394lm	2	0.90	956	
Fixture Flux	979lm	3	1.35	425	
Efficacy	58lm/W	4	1.80	239	
A6344	Imax=2742cd/klm	Imax	3823cd	5	2.25 153

3000K		H(m)	D(m)	Emax(lx)	
Ra90			25°		
Fixture Power	17W	1	0.45	4116	
Source Flux	1501lm	2	0.90	1029	
Fixture Flux	1054lm	3	1.35	457	
Efficacy	62lm/W	4	1.80	257	
A6288	Imax=2742cd/klm	Imax	4116cd	5	2.25 165

3500K		H(m)	D(m)	Emax(lx)	
Ra90			25°		
Fixture Power	17W	1	0.45	4245	
Source Flux	1548lm	2	0.90	1061	
Fixture Flux	1088lm	3	1.35	472	
Efficacy	64lm/W	4	1.80	265	
A6345	Imax=2742cd/klm	Imax	4245cd	5	2.25 170

4000K		H(m)	D(m)	Emax(lx)	
Ra90			25°		
Fixture Power	17W	1	0.45	4371	
Source Flux	1594lm	2	0.90	1093	
Fixture Flux	1120lm	3	1.35	486	
Efficacy	66lm/W	4	1.80	273	
A6346	Imax=2742cd/klm	Imax	4371cd	5	2.25 175

BULLETTO LINE

PHOTOMETRY

MEDIUM WIDE FLOOD

	2700K	H(m)	D(m)	Emax(lx)		
	Ra90			31°		
	Fixture Power	17W	1	0.55	2598	
	Source Flux	1394lm	2	1.11	650	
	Fixture Flux	930lm	3	1.66	289	
	Efficacy	55lm/W	4	2.21	162	
A6347	I _{max} =1864cd/klm	I _{max}	2598cd	5	2.76	104

	3000K	H(m)	D(m)	Emax(lx)		
	Ra90			31°		
	Fixture Power	17W	1	0.55	2798	
	Source Flux	1501lm	2	1.11	699	
	Fixture Flux	1001lm	3	1.66	311	
	Efficacy	59lm/W	4	2.21	175	
A6289	I _{max} =1864cd/klm	I _{max}	2798cd	5	2.76	112

	3500K	H(m)	D(m)	Emax(lx)		
	Ra90			31°		
	Fixture Power	17W	1	0.55	2885	
	Source Flux	1548lm	2	1.11	721	
	Fixture Flux	1033lm	3	1.66	321	
	Efficacy	61lm/W	4	2.21	180	
A6348	I _{max} =1864cd/klm	I _{max}	2885cd	5	2.76	115

	4000K	H(m)	D(m)	Emax(lx)		
	Ra90			31°		
	Fixture Power	17W	1	0.55	2971	
	Source Flux	1594lm	2	1.11	743	
	Fixture Flux	1063lm	3	1.66	330	
	Efficacy	63lm/W	4	2.21	186	
A6349	I _{max} =1864cd/klm	I _{max}	2971cd	5	2.76	119

WIDE FLOOD

	2700K	H(m)	D(m)	Emax(lx)		
	Ra90			42°		
	Fixture Power	17W	1	0.76	1233	
	Source Flux	1394lm	2	1.52	308	
	Fixture Flux	764lm	3	2.29	137	
	Efficacy	45lm/W	4	3.05	77	
A6350	I _{max} =884cd/klm	I _{max}	1233cd	5	3.81	49

	3000K	H(m)	D(m)	Emax(lx)		
	Ra90			42°		
	Fixture Power	17W	1	0.76	1328	
	Source Flux	1501lm	2	1.52	332	
	Fixture Flux	823lm	3	2.29	148	
	Efficacy	48lm/W	4	3.05	83	
A6290	I _{max} =884cd/klm	I _{max}	1328cd	5	3.81	53

	3500K	H(m)	D(m)	Emax(lx)		
	Ra90			42°		
	Fixture Power	17W	1	0.76	1369	
	Source Flux	1548lm	2	1.52	342	
	Fixture Flux	849lm	3	2.29	152	
	Efficacy	50lm/W	4	3.05	86	
A6351	I _{max} =885cd/klm	I _{max}	1369cd	5	3.81	55

	4000K	H(m)	D(m)	Emax(lx)		
	Ra90			42°		
	Fixture Power	17W	1	0.76	1410	
	Source Flux	1594lm	2	1.52	352	
	Fixture Flux	874lm	3	2.29	157	
	Efficacy	51lm/W	4	3.05	88	
A6352	I _{max} =884cd/klm	I _{max}	1410cd	5	3.81	56