



LED WATTAGE CHART

Catalog Number	# of LED's	Wattage	Lumens		Efficacy
			Minimum	Maximum	Maximum
BRITELINE GEN3 - SIZE 1	234	630	66,800	95,800	152
BRITELINE GEN3 - SIZE 1	351	620	53,200	110,400	178
BRITELINE GEN3 - SIZE 2	468	1250	133,800	191,900	154
BRITELINE GEN3 - SIZE 2	702	1220	106,100	220,200	180
BRITELINE GEN3 - SIZE 3	702	1860	200,400	287,500	155
BRITELINE GEN3 - SIZE 3	1053	1830	159,200	330,300	180

POWERFUL, MODULAR AND DYNAMIC FLOODLIGHT PLATFORM

BRITELINE is a high-power, FIFA Quality Pro Approved floodlighting platform, engineered to redefine large area illumination with unparalleled efficiency, versatility and precision. Featuring advanced, modular optical technology, it delivers perfect light distribution with optimised uniformity and reduced glare, improving visibility and safety across a wide range of areas - such as indoor and as outdoor sports infrastructures, transport terminals, car parks and ports.

Seamlessly integrating with both local and remote lighting controls BRITELINE offers real-time adaptability, enabling on-demand lighting adjustments, energy optimisation and streamlined operational management. Whether you're illuminating a stadium, securing a logistics site or optimising large-scale operations, BRITELINE puts total control at your fingertips.

Upgrade your lighting infrastructure with BRITELINE and step into the future of high-performance floodlighting.

TYPES OF APPLICATIONS

- Football Fields
- Baseball Fields
- Soccer Fields
- Tennis Courts
- Pickleball Courts
- Skate Parks
- Golf Courses

KEY ADVANTAGES

- FIFA Quality Pro approved
- Flexibility: modular approach for high-power applications
- Adjustable inclination for optimised photometry and uniformity
- Highly efficient light distributions reduce the quantity of luminaires to be installed
- Reduced Fixture Count and EPA values compared to competitor fixtures
- Excellent uniformity and significant energy savings
- Efficacies up to 180 LPW
- Perfect photometric control avoids any glare or intrusion
- Lightweight, simple and robust design

CONSTANT LUMEN OUTPUT OPTION (CLO)

Constant Lumen Output (CLO) may be used to maintain constant light output over the life of the LEDs by driving them at a reduced current when new, then gradually increasing the drive current over time to counteract LED lumen degradation.



PRODUCT SPECIFICATIONS



Ultra-modular platform, with individually adjustable lighting modules to provide perfect illumination for any large-scale indoor or outdoor application.



State-of-the-art optics deliver exceptional uniformity and targeted illumination, enhancing visibility and ensuring compliance with light pollution regulations (optional louvres available).



Seamlessly integrates with control systems, enabling real-time lighting adjustments, dynamic scenarios and energy optimisation.



Lightweight aluminium structure reduces wind resistance and infrastructure stress, while remote power options simplify maintenance.

BRITELINE - 3 SIZES

BRITELINE - SIZE 1



BRITELINE - SIZE 2



BRITELINE - SIZE 3



CONCEPT

Made with high-grade aluminum alloy, BRITELINE GEN3 combines Robust durability with a lightweight structure, ensuring long-lasting performance while minimizing stress on infrastructure.

Available in three sizes, BRITELINE GEN3 offers one, two or three independently adjustable lighting modules, providing unrivalled flexibility to meet the unique requirements of any lighting project. Each module can be individually aimed, allowing for fine tuned photometric distribution and ensuring optimum illumination exactly where it's needed.

This FIFA Quality Pro approved floodlight delivers independently validated lighting performance that aligns with the highest professional football standards. Equipped with state-of-the-art modular optics, BRITELINE GEN3 delivers exceptional light only where it's needed, it enhances safety and performance in sports facilities, logistics hubs and high-traffic areas. It provides crystal clear visibility, minimized glare and an exceptional lighting experience for players, spectators and workers alike.

Optional louvres ensure compliance with the strictest light pollution regulations. The power supply can be integrated into the floodlight or installed remotely, reducing the weight load on the mast, simplifying maintenance and extending system longevity. This design allows for easier access to electronic components, improving serviceability while minimizing downtime and operational costs.

BRITELINE GEN3 goes beyond traditional floodlighting, it is a dynamic connected lighting solution. Compatible with remote or local control systems, it enables total management of your lighting installation. Optimise energy consumption with on-demand dimming, create dynamic lighting scenarios for sports events and special occasions and instantly adjust lighting levels to meet the specific needs of any environment.

PRODUCT SPECIFICATIONS

BRITELINE - LOUVRES & GLARE CONTROL

BRITELINE - W/INTEGRATED LOUVRES FOR OPTIMAL PHOTOMETRIC PRECISION



BRITELINE - W/EXTERNAL LOUVRES FOR FLEXIBLE CONTROL OF LIGHT DISTRIBUTION ON SITE



GENERAL INFORMATION

Circle Light Label	Score >90 - The product fully meets circular economy requirements
Driver Included	Yes
CE Mark	Yes
ENEC Certified	Yes
ROHS Compliant	Yes
RCM Mark	Yes
FIFA Quality Pro	Yes
Testing Standard	EN 60598-1 EN 60598-2-1 IEC 62262:2002 IEC TR 62778:2014 IEC 62493 EN 60598-2-5

HOUSING AND FINISH

Housing	6063 Extruded Aluminum Alloy
Optic	Polycarbonate
Protector/Lens	Standard: Polycarbonate Protector (w/integrated lenses)
Optional:	Polycarbonate + Anti-Reflective Glass Protector
Housing Finish	Polyester Powder Coating 1500hrs NSS Resistance Polyester Powder Coated Die-cast Parts 2500 hrs NSS Resistance on Anodized Extruded Parts
Tightness Level	IP66
Impact Resistance	IK08, IK10
	* IK08 for the optical unit equipped with Polycarbonate Protector plus optional Anti-Reflective Glass protector
	* IK10 for the optical unit equipped with a polycarbonate protector only
Vibration Test	Compliant with ANSI C 136-31 Standard, 3G Load

OPERATING CONDITIONS

Operating Temperature Range (Ta) -40°C up to +50°C / -40°F up to 122°F
*Depending on the luminaire configuration. For more details, please contact us.

ELECTRICAL INFORMATION

Electrical Class	Class I US
Nominal Voltage	200-480VAC - 50-60Hz
Surge Protection Options (kV)	10kV (standard) or 20kV (optional)

Electromagnetic Compatibility (EMC)	EN 55015 / EN 61000-3-2 / EN 61000-3-3 / EN 61547
Control Protocol(s)	DALI-2, DMX-RDM
Control Options	Remote Management
Socket	Zhaga (optional), NEMA 7-Pin (optional)
Control Systems	Consult Factory for application assistance with integrating controls systems.

OPTICAL INFORMATION

LED Color Temperature	3000K (Warm White WW 730) 3000K (Warm White WW 830) 4000K (Neutral White NW 740) 4000K (Neutral White NW 840) 4000K (Neutral White NW 940) 5700K (Cool White NW 757) 5700K (Cool White NW 857) 5700K (Cool White NW 957)
Color Rendering Index (CRI)	>70 (Warm White WW 730) >80 (Warm White WW 830) >70 (Neutral White NW 740) >80 (Neutral White NW 840) >90 (Neutral White NW 940) >70 (Cool White NW 757) >80 (Cool White NW 857) >90 (Cool White NW 957)

ULOR	0%
ULR	0%
* ULOR may be different according to the configuration. Please consult us.	
* ULR may be different according to the configuration. Please consult us.	

LIFETIME OF THE LEDS @ 25°C

All Configurations	120,000h - L96
* Lifetime may be different according to the size/configurations.	

WARRANTY

Five-year limited warranty for drivers and LEDs.
* The product warranty is void if the product is not installed with its dedicated surge protector



NLS
LIGHTING

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Project Name:

Type:

SCHREDER BRITELINE GEN 3 - ORDERING GUIDE

Cat#	# of LEDs	Color Temp/CRI	Optics	Voltage	Wattage	Driver Mounting
Briteline Gen 3 Size 1 (BRITEL31)	234 LED (234L) ¹⁰ 351 LED (351L) ¹¹	3000K, 70 CRI (730) 4000K, 70 CRI (740) 5700K, 70 CRI (757)	8° External Louvre (5468-SY8) ¹² 15° External Louvre (7218-SY15) ¹³ 30° External Louvre (7219-SY30) ¹³	277V-480V, 50-60Hz (277V-480V) Constant Lumen Output 277V-480V (CLO-277V-480V) ^{1,7}	600W (1) ^{2, 14} 1200W (2) ^{3, 14} 1800W (3) ^{4, 14}	U-Bracket (360° Adjustable) Individual OB tilting (±15°) - (Standard) (Blank) Choose One Integral Driver Bracket Bracket for Attached Driver (Driver Holder KIT & 1.2m JB-DRV cable included) (AdBra) Remote Driver Bracket Bracket for Remote Driver (RdBra)
Briteline Gen 3 Size 2 (BRITEL32)	468 LED (468L) ¹⁰ 702 LED (702L) ¹¹	3000K, 80 CRI (830) 4000K, 80 CRI (840) 5700K, 80 CRI (857)	30° Internal Louvre (5469-ASY30) ¹³ 35° Internal Louvre (5470-ASY35) ¹³ 55° Internal Louvre Narrow Beam (5472-ASY55NB) ¹³			
Briteline Gen 3 Size 3 (BRITEL33)	702 LED (702L) ¹⁰ 1053 LED (1053L) ¹¹	4000K, 90 CRI (940) 5700K, 90 CRI (957)	55° Internal Louvre Medium Beam (5473-ASY55MB) ¹³			

# of Circuits	Dimming	Surge Protection	Remote Driver Box	Lens/Protector	Color	Controls Options
Single Circuit (Max of 6 Drivers) (1CT) Double Circuit (Max of 2 Circuits of 4 Drivers) (2CT)	DALI 2 (DALI) * DMX (DMX)	10kV (standard) (Blank)	OMNIBOX XL ¹ (Optional Driver Boxes for remote installation) Order as a separate line item	(PC Integrated Lens) (Standard) (PC) Anti-Reflective Glass (Optional) (GL)	Natural Anodized (RAL9006)	Custom Controls Integration (CCI) ⁹

Optics

Front-Side Visor 1
Size 1
(V1-S1) ^{2,15}
Front-Side Visor 1
Size 2
(V1-S2) ^{3,15}
Front-Side Visor 1
Size 3
(V1-S3) ^{4,15}
Front-Side Visor 2
Size 1
(V2-S1) ^{2,16}
Front-Side Visor 2
Size 2
(V2-S2) ^{3,16}
Front-Side Visor 2
Size 3
(V2-S3) ^{4,16}
Briteline Gen 3 Aiming
Device
w/Mounting Accessory
(BRITEL3-AIMDEV)

NOTES:

- Consult Factory for application assistance, availability & lead time
- Size 1 Only
- Size 2 Only
- Size 3 Only
- Maximum remote driver mounting distance is 984.25ft
- Controls are remotely installed and supplied by others. Consult Factory for assistance with integrating controls systems.
- CLO option may be used to maintain constant light output over the life of the LEDs by driving them at a reduced current when new, then gradually increasing the drive current over time to counteract LED lumen degradation. Must complete form with required settings, when placing order.
- Choose DALI for 0-10V Dimming
- Please contact Factory for Custom Control Integration requests (ITERRA, Synapse, Pharos or other control systems)
- For use with 5468-SY8 optics
- For use with 5469-ASY30, 5470-ASY35, 5472-ASY55NB, 5473-ASY55MB, 7218-SY15, 7219-SY30 optics.
- For use with BRITEL31 234 LED, BRITEL32 468 LED and BRITEL33 702 LED
- For Use with BRITEL31 351 LED, BRITEL32 702 LED and BRITEL33 1053 LED
- Nominal Wattage. Please refer to lumen chart for exact wattage for each configuration
- Only for Asymmetric Optics
- Only for Symmetric Optics



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PRODUCT SPECIFICATIONS

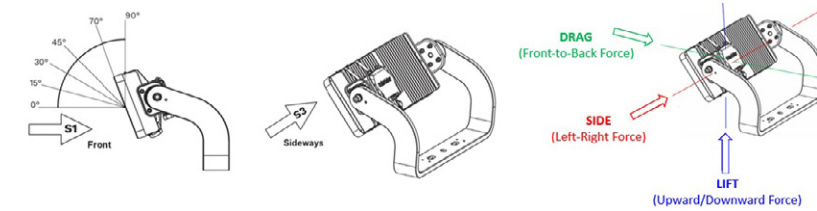
LUMEN CHARTS

Model Number	LED Count	Optic#	Wattage	Color Temp/ CRI	Lumens		Efficacy up to (LPW)	Model Number	LED Count	Optic#	Wattage	Color Temp/ CRI	Lumens		Efficacy up to (LPW)	Model Number	LED Count	Optic#	Wattage	Color Temp/ CRI	Lumens		Efficacy up to (LPW)
					Min	Max							Min	Max							Min	Max	
BRITEL31	234	5468-SY8	630	730	86400	88300	140	BRITEL32	468	5468-SY8	1250	730	173200	176900	142	BRITEL33	702	5468-SY8	1860	730	259400	265100	143
	234	5468-SY8	630	740	93800	95800	152		468	5468-SY8	1250	740	187800	191900	154		702	5468-SY8	1860	740	281400	287500	155
	234	5468-SY8	630	757	74100	75700	120		468	5468-SY8	1250	757	182300	186300	149		702	5468-SY8	1860	757	273200	279100	150
	234	5468-SY8	630	830	80900	82700	131		468	5468-SY8	1250	830	162200	165700	133		702	5468-SY8	1860	830	242900	248200	153
	234	5468-SY8	630	840	86400	88300	140		468	5468-SY8	1250	840	173200	176900	142		702	5468-SY8	1860	840	259400	265100	143
	234	5468-SY8	630	857	86400	88300	140		468	5468-SY8	1250	857	173200	176900	142		702	5468-SY8	1860	857	259400	265100	143
	234	5468-SY8	630	940	66800	68200	108		468	5468-SY8	1250	940	133800	136700	109		702	5468-SY8	1860	940	200400	204800	110
	234	5468-SY8	630	957	74100	75700	120		468	5468-SY8	1250	957	148400	151700	121		702	5468-SY8	1860	957	222400	227200	122
	351	5469-ASY30	620	730	68800	101700	164		702	5469-ASY30	1220	730	137400	203000	166		1053	5469-ASY30	1830	730	206100	304500	166
	351	5469-ASY30	620	740	74700	110400	178		702	5469-ASY30	1220	740	149000	220200	180		1053	5469-ASY30	1830	740	223500	330300	180
	351	5469-ASY30	620	757	72500	107100	173		702	5469-ASY30	1220	757	144600	213800	175		1053	5469-ASY30	1830	757	217000	320700	175
	351	5469-ASY30	620	830	64500	95300	154		702	5469-ASY30	1220	830	128600	190100	156		1053	5469-ASY30	1830	830	193000	285200	156
	351	5469-ASY30	620	840	68800	101700	164		702	5469-ASY30	1220	840	137400	203000	166		1053	5469-ASY30	1830	840	206100	304500	166
	351	5469-ASY30	620	857	68800	101700	164		702	5469-ASY30	1220	857	137400	203000	166		1053	5469-ASY30	1830	857	206100	304500	166
	351	5469-ASY30	620	940	53200	78600	127		702	5469-ASY30	1220	940	106100	156800	129		1053	5469-ASY30	1830	940	159200	235200	129
	351	5469-ASY30	620	957	59000	87200	141		702	5469-ASY30	1220	957	117700	174000	143		1053	5469-ASY30	1830	957	176600	261000	143
	351	5470-ASY35	620	730	68800	101700	164		702	5470-ASY35	1220	730	137400	203000	166		1053	5470-ASY35	1830	730	206100	304500	166
	351	5470-ASY35	620	740	74700	110400	178		702	5470-ASY35	1220	740	149000	220200	180		1053	5470-ASY35	1830	740	223500	330300	180
	351	5470-ASY35	620	757	72500	107100	173		702	5470-ASY35	1220	757	144600	213800	175		1053	5470-ASY35	1830	757	217000	320700	175
	351	5470-ASY35	620	830	64500	95300	154		702	5470-ASY35	1220	830	128600	190100	156		1053	5470-ASY35	1830	830	193000	285200	156
	351	5470-ASY35	620	840	68800	101700	164		702	5470-ASY35	1220	840	137400	203000	166		1053	5470-ASY35	1830	840	206100	304500	166
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	351	5470-ASY35	620	940	53200	78600	127		702	5470-ASY35	1220	940	106100	156800	129		1053	5470-ASY35	1830	940	159200	235200	129
	351	5470-ASY35	620	957	59000	87200	141		702	5470-ASY35	1220	957	117700	174000	143		1053	5470-ASY35	1830	957	176600	261000	143
	351	5472-ASY55NB	620	730	68800	101700	164		702	5472-ASY55NB	1220	730	137400	203000	166		1053	5472-ASY55NB	1830	730	206100	304500	166
	351	5472-ASY55NB	620	740	74700	110400	178		702	5472-ASY55NB	1220	740	149000	220200	180		1053	5472-ASY55NB	1830	740	223500	330300	180
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	351	5472-ASY55NB	620	940	53200	78600	127		702	5472-ASY55NB	1220	940	106100	156800	129		1053	5472-ASY55NB	1830	940	159200	235200	129
	351	5472-ASY55NB	620	957	59000	87200	141		702	5472-ASY55NB	1220	957	117700	174000	143		1053	5472-ASY55NB	1830	957	176600	261000	143
	351	5473-ASY55MB	620	730	68800	101700	164		702	5473-ASY55MB	1220	730	137400	203000	166		1053	5473-ASY55MB	1830	730	206100	304500	166
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	351	5473-ASY55MB	620	857	68800	101700	164		702	5473-ASY55MB	1220	857	137400	203000	166		1053	5473-ASY55MB	1830	857	206100	304500	166
	351	5473-ASY55MB	620	940	53200	78600	127		702	5473-ASY55MB	1220	940	106100	156800	129		1053	5473-ASY55MB	1830	940	159200	235200	129
	351	5473-ASY55MB	620	957	59000	87200	141		702	5473-ASY55MB	1220	957	117700	174000	143		1053	5473-ASY55MB	1830	957	176600	261000	143
	351	7218-SY15	630	730	68800	101700	164		702	7218-SY15	1220	730	137400	203000	166		1053	7218-SY15	1830	730	206100	304500	166
	351	7218-SY15	630	740	74700	110400	178		702	7218-SY15	1220	740	149000	220200	180		1053	7218-SY15	1830	740	223500	330300	180
	351	7218-SY15	630	757	72500	107100	173		702	7218-SY15	1220	757	144600	213800	175		1053	7218-SY15	1830	757	217000	320700	175
	351	7218-SY15	630	830	64500	95300	154		702	7218-SY15	1220	830	128600	190100	156		1053	7218-SY15	1830	830	193000	285200	156
	351	7218-SY15	630	840	68800	101700	164		702	7218-SY15	1220	840	137400	203000	166		1053	7218-SY15	1830	840	206100	304500	166
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	351	7218-SY15	630	940	53200	78600	127		702	7218-SY15	1220	940	106100	156800	129		1053	7218-SY15	1830	940	159200	235200	129
	351	7218-SY15	630	957	59000	87200	141		702	7218-SY15	1220	957	117700	174000	143		1053	7218-SY15	1830	957	176600	261000	143
	351	7219-SY30	620	730	68800	101700	164		702	7219-SY30	1220	730	137400	203000	166		1053	7219-SY30	1830	730	206100	304500	166
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PRODUCT SPECIFICATIONS



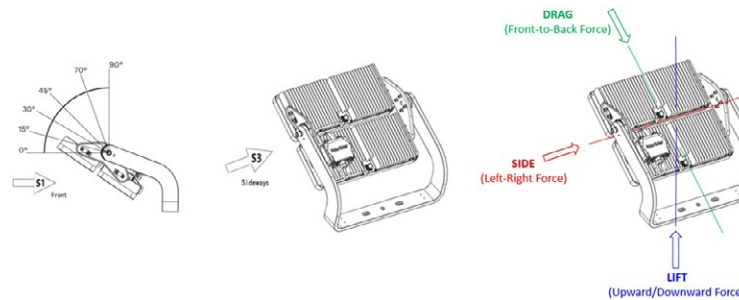
EPA - Effective Projected Area - BRITELINE GEN 3 SIZE 1 Remote Driver - No Front-Side Visor/Hood



BRITEL31 w/Remote Driver - Standard Fixture No Front-Side Visor/Hood - S1 Front Force						
Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight
			Front	Side	Lift	
2.316	1.188	1.296	0.721	0.043	0.474	28.2
2.316	1.188	1.296	0.721	0.054	1.206	28.2
2.316	1.188	1.296	1.130	0.043	1.507	28.2
2.316	1.188	1.296	1.313	0.032	1.356	28.2
2.316	1.188	1.296	1.862	0.032	0.646	28.2
2.316	1.188	1.296	1.722	0.032	0.065	28.2

BRITEL31 w/Remote Driver - Standard Fixture - No Front-Side Visor/Hood - S3 Sideways Force							
Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight	
			Front	Side	Lift		
90°	2.316	1.188	1.296	0.947	0.065	0.140	28.2

EPA - Effective Projected Area - BRITELINE GEN 3 SIZE 2 Remote Driver - No Front-Side Visor/Hood

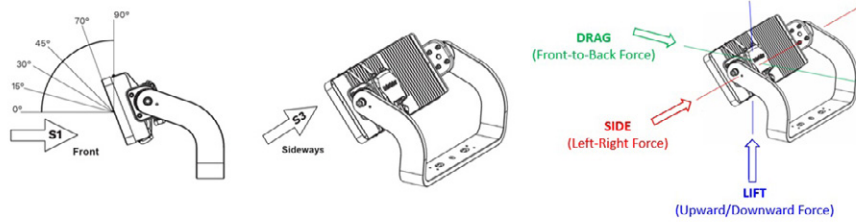


	BRITEL32 w/Remote Driver - Standard Fixture No Front-Side Visor/Hood - S1 Front Force						
	Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight
				Front	Side	Lift	
0°	2.317	1.292	2.117	0.786	0.043	0.517	45.19
15°	2.317	1.292	2.117	0.915	0.065	1.528	45.19
30°	2.317	1.292	2.117	1.701	0.075	2.260	45.19
45°	2.317	1.292	2.117	2.228	0.065	2.303	45.19
70°	2.317	1.292	2.117	3.380	0.065	1.173	45.19
90°	2.317	1.292	2.117	3.283	0.054	0.118	45.19

BRITEL32 w/Remote Driver - Standard Fixture - No Front-Side Visor/Hood - S3 Sideways Force							
Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight	
			Front	Side	Lift		
90°	2.317	1.292	2.117	1.647	0.108	0.248	45.19

PRODUCT SPECIFICATIONS

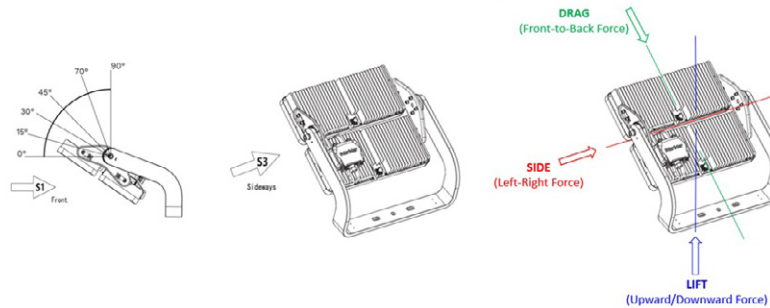
EPA - Effective Projected Area - BRITELINE GEN 3 SIZE 1 Remote Driver - No Front-Side Visor/Hood



	BRITEL31 w/Remote Driver - Standard Fixture No Front-Side Visor/Hood - S1 Front Force						
	Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight
				Front	Side	Lift	
0°	2.316	1.188	1.296	0.721	0.043	0.474	28.2
15°	2.316	1.188	1.296	0.721	0.054	1.206	28.2
30°	2.316	1.188	1.296	1.130	0.043	1.507	28.2
45°	2.316	1.188	1.296	1.313	0.032	1.356	28.2
70°	2.316	1.188	1.296	1.862	0.032	0.646	28.2
90°	2.316	1.188	1.296	1.722	0.032	0.065	28.2

BRITEL31 w/Remote Driver - Standard Fixture - No Front-Side Visor/Hood - S3 Sideways Force							
90°	Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight
				Front	Side	Lift	
	2.316	1.188	1.296	0.947	0.065	0.140	28.2

EPA - Effective Projected Area - BRITELINE GEN 3 SIZE 2 Remote Driver - No Front-Side Visor/Hood

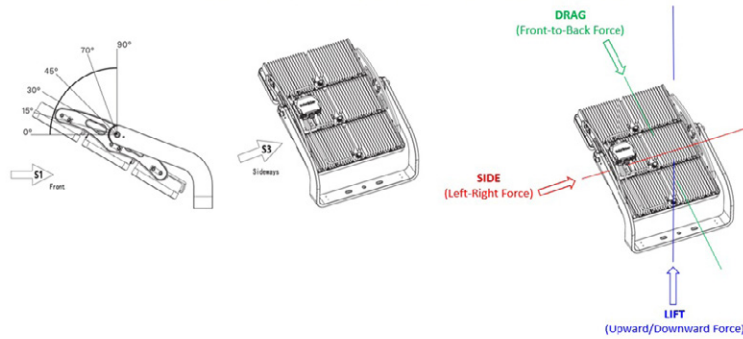


	BRITEL32 w/Remote Driver - Standard Fixture No Front-Side Visor/Hood - S1 Front Force						
	Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight
				Front	Side	Lift	
0°	2.317	1.292	2.117	0.786	0.043	0.517	45.19
15°	2.317	1.292	2.117	0.915	0.065	1.528	45.19
30°	2.317	1.292	2.117	1.701	0.075	2.260	45.19
45°	2.317	1.292	2.117	2.228	0.065	2.303	45.19
70°	2.317	1.292	2.117	3.380	0.065	1.173	45.19
90°	2.317	1.292	2.117	3.283	0.054	0.118	45.19

BRITEL32 w/Remote Driver - Standard Fixture - No Front-Side Visor/Hood - S3 Sideways Force							
90°	Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight
				Front	Side	Lift	
	2.317	1.292	2.117	1.647	0.108	0.248	45.19

PRODUCT SPECIFICATIONS

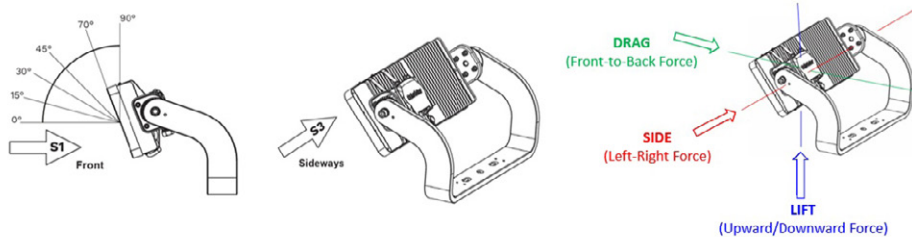
EPA - Effective Projected Area - BRITELINE GEN 3 SIZE 3 Remote Driver - No Front-Side Visor/Hood



	BRITEL33 w/Remote Driver - Standard Fixture No Front-Side Visor/Hood - S1 Front Force						
	Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight
				Front	Side	Lift	
0°	2.317	1.292	2.117	0.786	0.043	0.517	62.4
15°	2.317	1.292	2.117	1.485	0.108	2.486	62.4
30°	2.317	1.292	2.117	2.325	0.097	3.100	62.4
45°	2.317	1.292	2.117	3.014	0.086	3.111	62.4
70°	2.317	1.292	2.117	4.811	0.086	1.668	62.4
90°	2.317	1.292	2.117	4.596	0.075	0.172	62.4

BRITEL33 w/Remote Driver - Standard Fixture - No Front-Side Visor/Hood - S3 Sideways Force							
	Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight
				Front	Side	Lift	
90°	2.317	1.292	2.117	2.120	0.140	0.323	62.4

EPA - Effective Projected Area - BRITELINE GEN 3 SIZE 1 - Integrated Driver

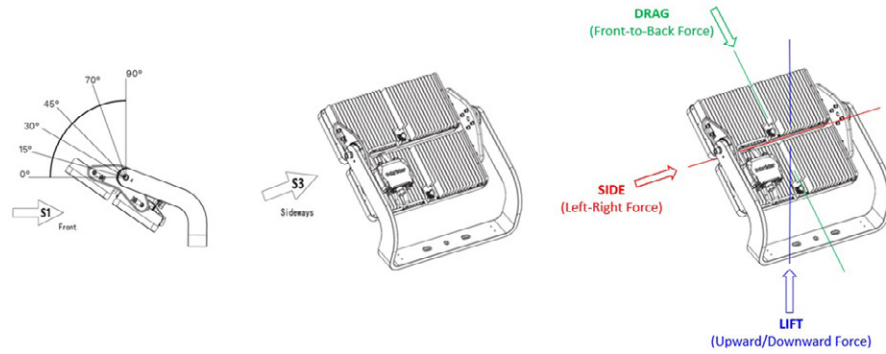


	BRITEL31 w/Integrated Driver - Standard Fixture No Front-Side Visor/Hood - S1 Front Force						
	Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight
				Front	Side	Lift	
0°	2.316	1.188	1.296	0.915	0.430	0.474	28.2
15°	2.316	1.188	1.296	0.818	0.054	1.206	28.2
30°	2.316	1.188	1.296	1.259	0.043	1.507	28.2
45°	2.316	1.188	1.296	1.442	0.032	1.356	28.2
70°	2.316	1.188	1.296	2.024	0.032	0.646	28.2
90°	2.316	1.188	1.296	1.970	0.032	0.065	28.2

BRITEL31 w/Integrated Driver - Standard Fixture - No Front-Side Visor/Hood - S3 Side Force							
	Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight
				Front	Side	Lift	
90°	2.316	1.188	1.296	0.947	0.065	0.140	28.2

PRODUCT SPECIFICATIONS

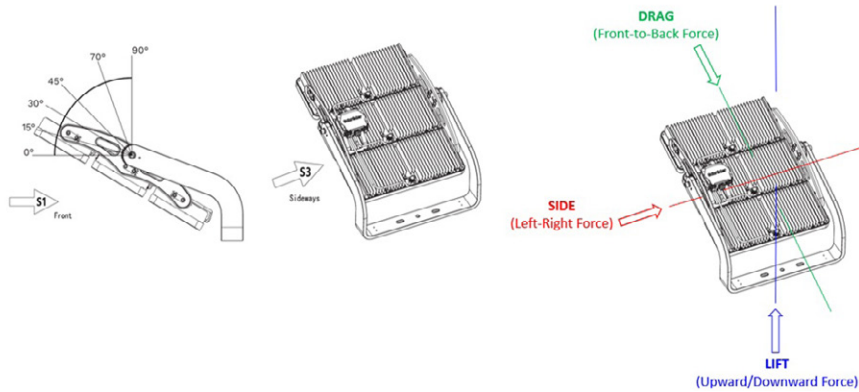
EPA - Effective Projected Area - BRITELINE GEN 3 SIZE 2 - Integrated Driver



BRITEL32 w/Integrated Driver - Standard Fixture No Front-Side Visor/Hood - S1 Front Force							
	Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight
				Front	Side	Lift	
0°	2.317	1.292	2.117	1.109	0.043	0.517	45.19
15°	2.317	1.292	2.117	1.152	0.065	1.528	45.19
30°	2.317	1.292	2.117	1.819	0.075	2.260	45.19
45°	2.317	1.292	2.117	2.228	0.065	2.303	45.19
70°	2.317	1.292	2.117	3.380	0.065	1.173	45.19
90°	2.317	1.292	2.117	3.444	0.054	0.118	45.19

BRITEL32 w/Integrated Driver - Standard Fixture - No Front-Side Visor/Hood - S3 Side Force							
Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight	
			Front	Side	Lift		
90°	2.317	1.292	2.117	1.884	0.108	0.248	45.19

EPA - Effective Projected Area - BRITELINE GEN 3 SIZE 3 - Integrated Driver



	BRITEL33 w/Integrated Driver - Standard Fixture No Front-Side Visor/Hood - S1 Front Force						
	Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight
				Front	Side	Lift	
0°	2.317	1.292	2.117	1.109	0.043	0.517	62.4
15°	2.317	1.292	2.117	1.152	0.108	2.486	62.4
30°	2.317	1.292	2.117	2.325	0.097	3.100	62.4
45°	2.317	1.292	2.117	3.014	0.086	3.111	62.4
70°	2.317	1.292	2.117	4.811	0.086	3.111	62.4
90°	2.317	1.292	2.117	4.596	0.075	0.172	62.4

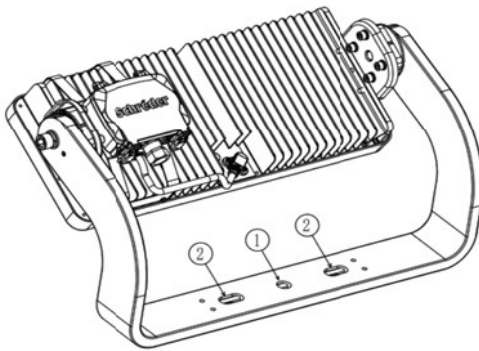
BRITEL32 w/Integrated Driver - Standard Fixture - No Front-Side Visor/Hood - S3 Side Force							
Width (ft)	Height (ft)	Length (ft)	EPA (Effective Projected Area) (sq ft)			Weight	
			Front	Side	Lift		
90°	2.317	1.292	2.117	2.357	0.140	0.323	62.4

PRODUCT SPECIFICATIONS

BRITELINE GEN 3 HIGH-MAST MOUNTING FORK (W/REMOTE DRIVER) (HM-RD)

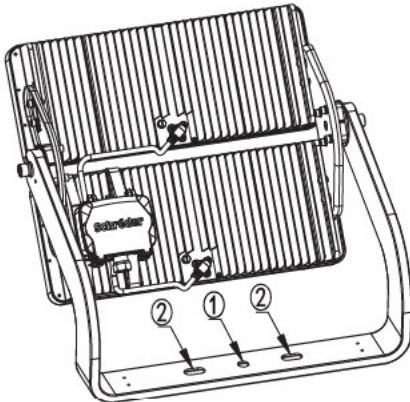


MOUNTING - BRITELINE GEN 3 SIZE 1



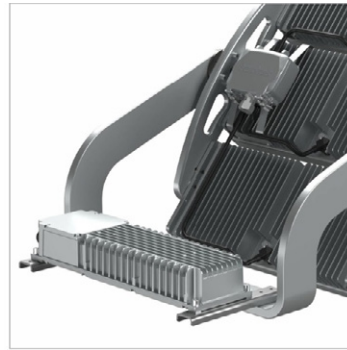
**Screws and washers are not included
in the package!**

MOUNTING - BRITELINE GEN 3 SIZE 2



**Screws and washers are not included
in the package!**

BRITELINE GEN 3 HIGH-MAST MOUNTING FORK (W/INTEGRATED DRIVER) (HM-ID)



Minimum screw requirement:

Vibration standard	IEC 0.5g / ANSI 3.0g
Minimum fastener requirement	1x M20 8.8 or A2-70 DIN9021 large plain washer
Tightening torques	1xM20: 200 Nm 2xM20: 140 Nm

Recommended to use anti-seizing agent (Tikal Tef-Gel®)!



- ① 1xM20 with extra large washer
or
- ② 2xM20 with extra large washer

Minimum screw requirement:

Vibration standard	IEC 0.5g / ANSI 3.0g
Minimum fastener requirement	1x M20 8.8 or A2-70 DIN9021 large plain washer
Tightening torques	1xM20: 200 Nm 2xM20: 140 Nm

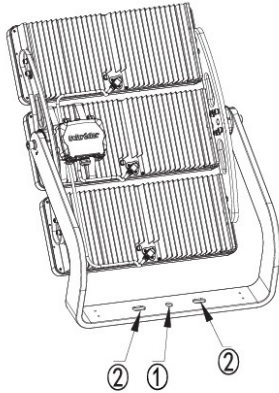
Recommended to use anti-seizing agent (Tikal Tef-Gel®)!



- ① 1xM20 with extra large washer
or
- ② 2xM20 with extra large washer

PRODUCT SPECIFICATIONS

MOUNTING- BRITELINE GEN 3 SIZE 3



Screws and washers are not included in the package!

Minimum screw requirement:

Vibration standard	IEC 0.5g / ANSI 3.0g
Minimum fastener requirement	1x M20 8.8 or A2-70 DIN9021 large plain washer
Tightening torques	1xM20: 200 Nm 2xM20: 140 Nm

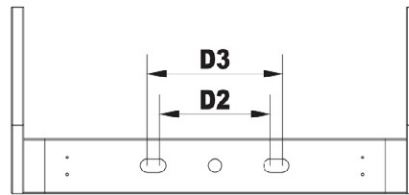
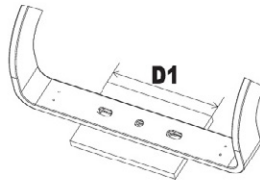
Recommended to use anti-seizing agent (Tikal Tef-Gel®)!



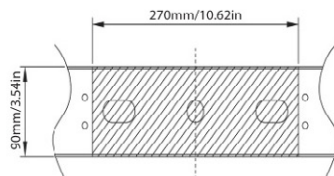
- ① 1xM20 with extra large washer
or
- ② 2xM20 with extra large washer

MINIMUM BRACKET DIMENSIONS

D1	D2	D3
min 270mm min 10.62in	180mm 7.08in	220mm 8.66in



MINIMUM SURFACE CONTACT AREA FOR SCREW FIXATION



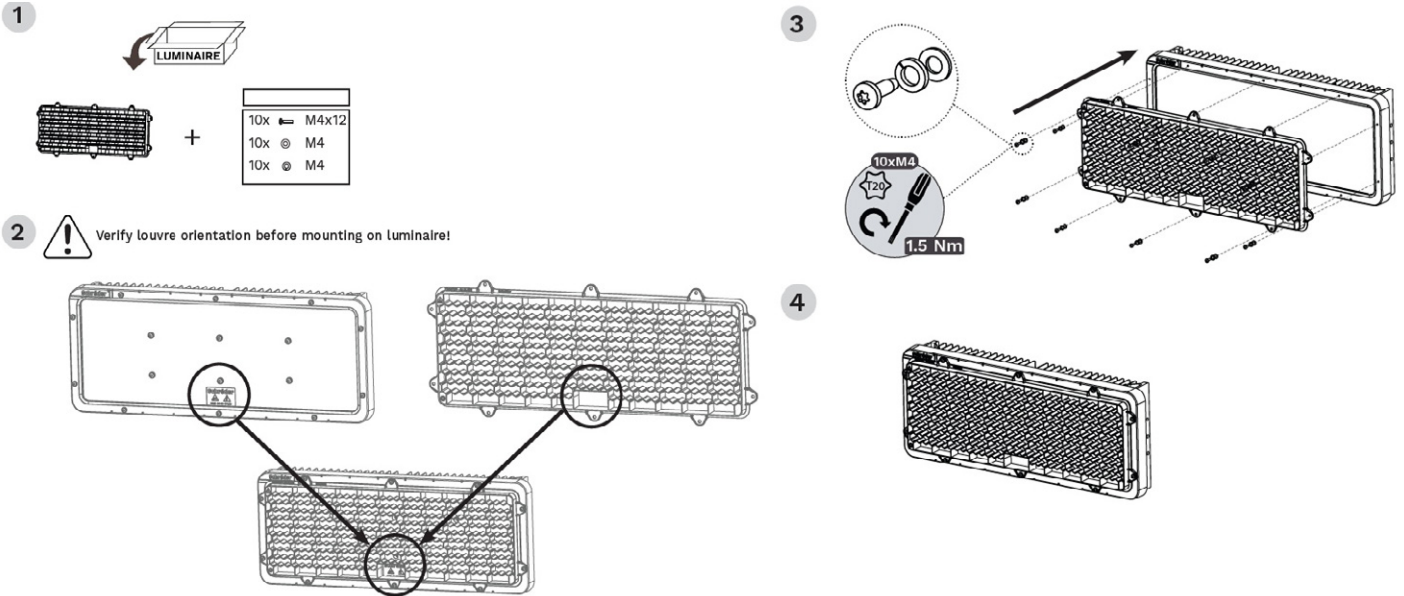
Fasteners are not included in the package! 

Remark: the hatched area always need to be supported by a flat planar mounting surface as minimum.

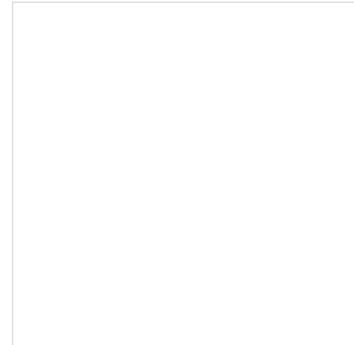
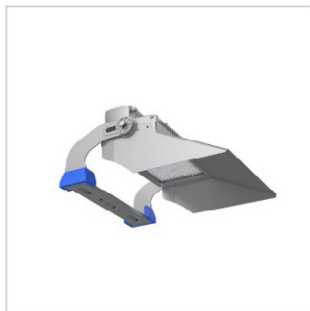
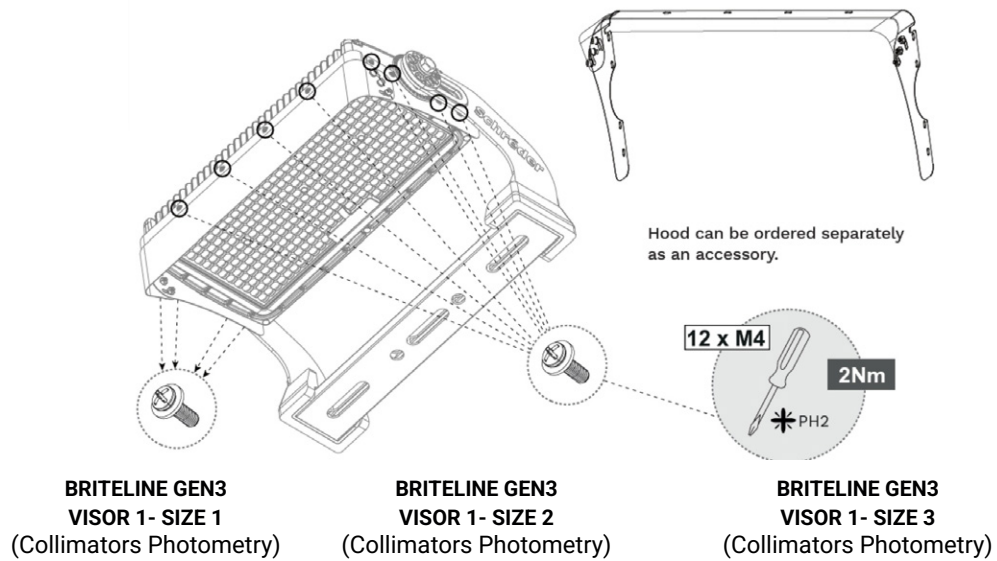
Wider surface contact is recommended, smaller is **not allowed!**

PRODUCT SPECIFICATIONS

EXTERNAL LOUVRE MOUNTING- BRITELINE GEN 3 SIZE3



BRITELINE GEN3 - FRONT-SIDE VISORS



See the product installation instructions for further details.

PRODUCT SPECIFICATIONS

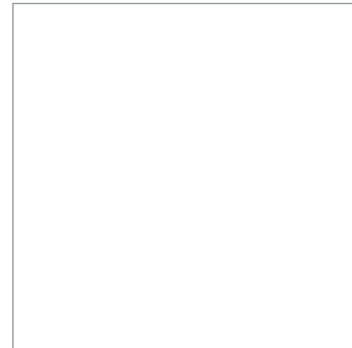
**BRITELINE GEN3
VISOR 2- SIZE 1**
(Collimators Photometry)



**BRITELINE GEN3
VISOR 2- SIZE 2**
(Collimators Photometry)

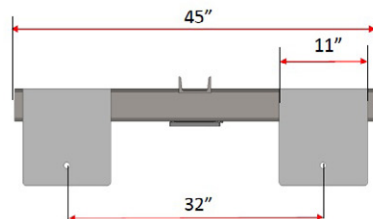
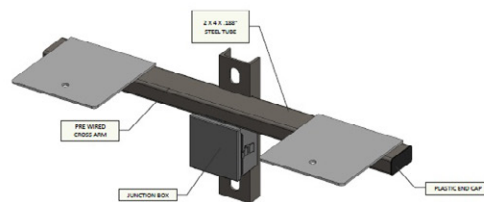


**BRITELINE GEN3
VISOR 2- SIZE 3**
(Collimators Photometry)

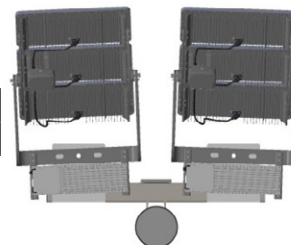


CROSS-ARM MOUNTING OPTIONS - BOLT ON (New Construction)

2 FIXTURE CROSS ARM FOR SCHRÉDER BRITELINE

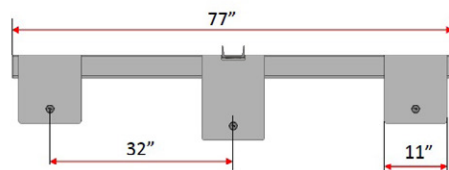
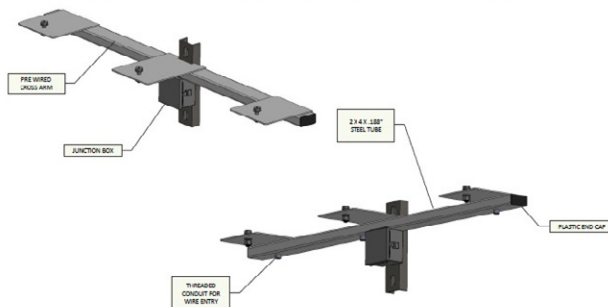


EPA	
WEIGHT	

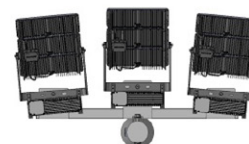


CROSS-ARM MOUNTING OPTIONS - BOLT ON (New Construction)

3 FIXTURES CROSS ARM FOR SCHRÉDER BRITELINE



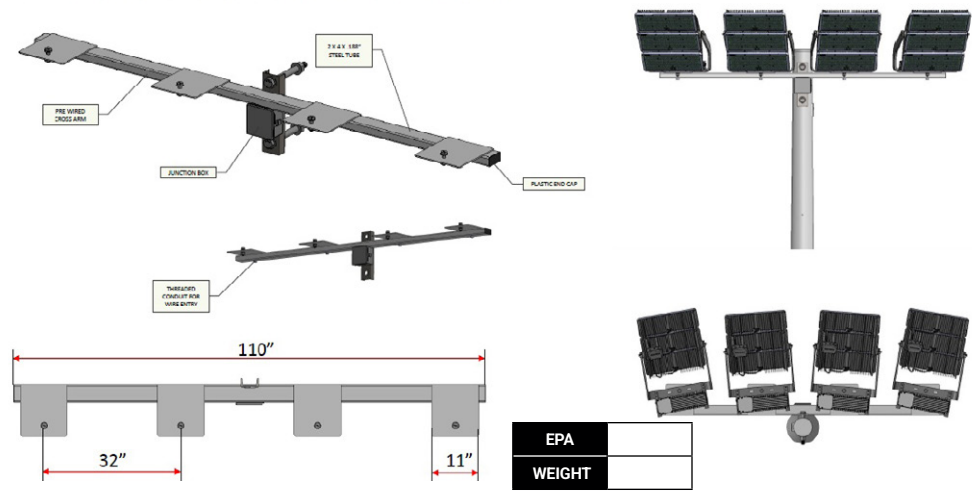
EPA	
WEIGHT	



PRODUCT SPECIFICATIONS

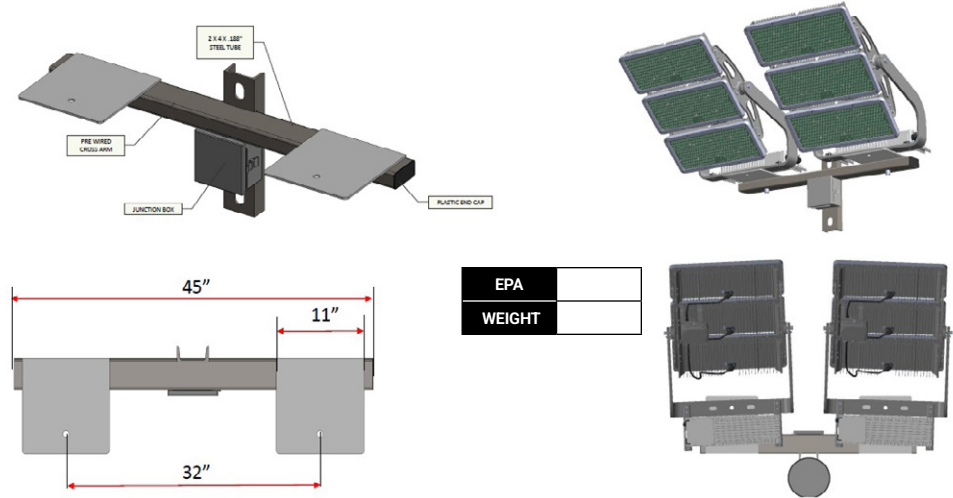
CROSS-ARM MOUNTING OPTIONS - BOLT ON (New Construction)

4 FIXTURES CROSS ARM FOR SCHRÉDER BRITELINE



CROSS-ARM MOUNTING OPTIONS - CLAMP ON (Retrofit)

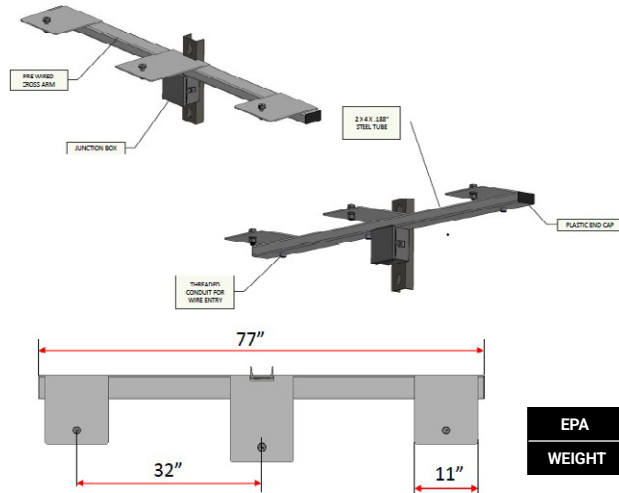
2 FIXTURE CROSS ARM FOR SCHRÉDER BRITELINE



PRODUCT SPECIFICATIONS

CROSS-ARM MOUNTING OPTIONS - CLAMP ON (RETROFIT)

3 FIXTURES CROSS ARM FOR SCHRÉDER BRITELINE

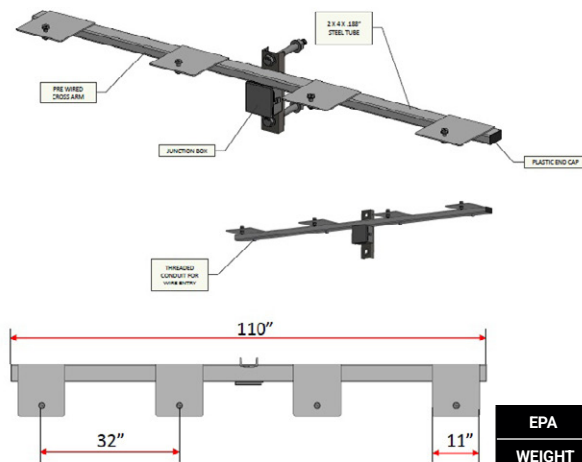


EPA	
WEIGHT	

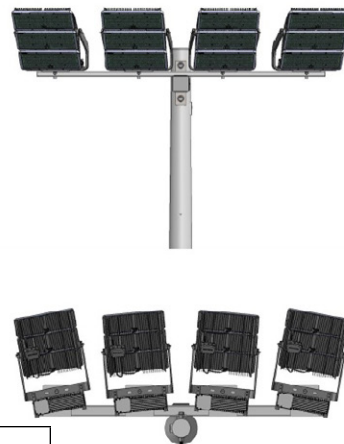


CROSS-ARM MOUNTING OPTIONS - CLAMP ON (Retrofit)

4 FIXTURES CROSS ARM FOR SCHRÉDER BRITELINE



EPA	
WEIGHT	



PRODUCT SPECIFICATIONS

CLO - CUSTOM LIGHT OUTPUT

CLO option may be used to maintain constant light output over the life of the LEDs by driving them at a reduced current when new, then gradually increasing the drive current over time to counteract LED lumen degradation. Must complete form with required settings, when placing order.

Consult Factory for application assistance, availability & lead time

Reference of document

Custom Code Information:		Dimming Name	Dimming Custom		Revision:	7
		Requestor Entity	FRC	Product Name	ANY	

AMPDIM PROFILE:

Dimming Type

AMPDIM: Input Voltage from V

Input Voltage up to V

Min Value = 170V
Max Value = 250V

50V min. between Min. & Max
Input Voltage

Start % Dimming %

Stop % Dimming %

Min Value = 30%
Max Value = 100%

15% min. between
Start & Stop %

Current Value: mA

Value at 100% Dimming Value

Options:

Module Temp Protection

CLO (Constant Light Output)

LED Type

LED Brand

PSU Enable

CLO from UPD:

Override CLO (not mandatory):

Final CLO:

Custom Code:

AMPDIM Profile

Input Voltage (V)	Current (mA)
180	700
230	700
270	1000

PRODUCT SPECIFICATIONS

REMOTE DRIVER BOX

OMNIBOX XL



Consult Factory for application assistance, availability & lead time

INTEGRAL DRIVER IN-RUSH CURRENT DATA

NFS600

Driver Name and Size	V _{IN}	Inrush Peak [A]	Half Value Time [ms]
NFS600	220Vac	8.75	4.32
NFS600	277Vac	11	2.00
NFS600	400Vac	14.8	2.24
NFS600	480Vac	16	2.64

NFS600

Driver Name and Size	V _{IN}	Inrush Peak [A]	Half Value Time [ms]
NFS1200	220Vac	9.3	5.40
NFS1200	277Vac	11.2	5.40
NFS1200	400Vac	13.7	6.40
NFS1200	480Vac	16.5	6.20

NFS600

Driver Name and Size	V _{IN}	Inrush Peak [A]	Half Value Time [ms]
NFS1800	220Vac	5.4	8.60
NFS1800	277Vac	8.4	8.60
NFS1800	400Vac	11.9	9.20
NFS1800	480Vac	15.5	8.80

REMOTE DRIVER IN-RUSH CURRENT DATA

ESM-680 *1

Driver Name and Size	V _{IN}	Inrush Peak [A]	Half Value Time [ms]
ESM-680S240MG/BG *1	220Vac	1.296	28.2
ESM-680S240MG/BG *1	277Vac	1.296	28.2
ESM-680S240MG/BG *1	400Vac	1.296	28.2
ESM-680S240MG/BG *1	480Vac	1.296	28.2

ESM-680 *2

Driver Name and Size	V _{IN}	Inrush Peak [A]	Half Value Time [ms]
ESM-680S240MG/BG *2	220Vac	1.296	28.2
ESM-680S240MG/BG *2	277Vac	1.296	28.2
ESM-680S240MG/BG *2	400Vac	1.296	28.2
ESM-680S240MG/BG *2	480Vac	1.296	28.2

ESM-680 *3

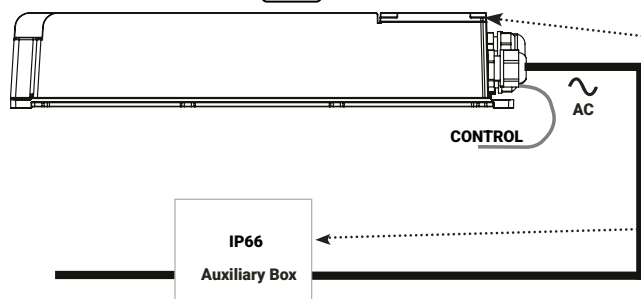
Driver Name and Size	V _{IN}	Inrush Peak [A]	Half Value Time [ms]
ESM-680S240MG/BG *3	220Vac	1.296	28.2
ESM-680S240MG/BG *3	277Vac	1.296	28.2
ESM-680S240MG/BG *3	400Vac	1.296	28.2
ESM-680S240MG/BG *3	480Vac	1.296	28.2

Maximum remote mounting distance for the driver is 984ft.

ADDITIONAL SPD INSTALLATION



One SPD per driver unit must be installed to assure an efficient protection.

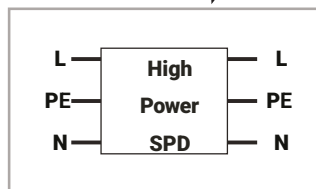


INVENTRONICS NFS DRIVER

SPD must be located in an auxiliary junction box or connected in the subpanel, in IP66 environment

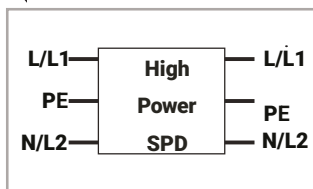
I. For 230V AC use

Mandatory SPD type:
Schröder SPD-400V 142812
(P/N: 03-89-927)



II. For 400V AC use

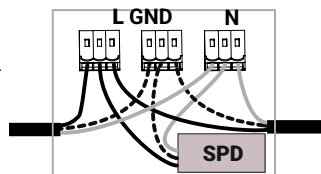
Mandatory SPD type: Schröder
SPD-400V 142812 (P/N: 03-89-927)



III. For 480V AC use

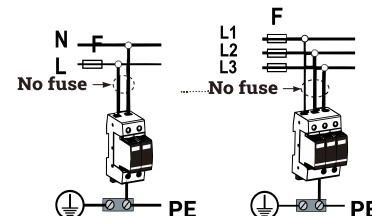
Not recommended to use in
480VAC applications

a
Alternative SPD proposal:
Littlefuse LSP05G(I)277P



b

Alternative SPD proposal: CITEL
DACF15S-20-440 CITEL
DACF15S-30-440



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