

BRITELINE GEN3



Powerful, modular and dynamic floodlight platform

BRITELINE GEN3 is a high-power 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 outdoor sports infrastructures, logistics hubs, transport terminals, car parks and ports.

Seamlessly integrating with both local and remote lighting control systems, BRITELINE GEN3 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 GEN3 puts total control at your fingertips.

Upgrade your lighting infrastructure with BRITELINE GEN3 and step into the future of high-performance floodlighting.



Concept

Made with high-grade aluminium alloy, BRITELINE GEN3 combines robust durability with a lightweight structure, ensuring long-lasting performance while minimising stress on infrastructure. Its reduced wind resistance makes it ideal for retrofitting onto existing poles without the need for costly structural reinforcements.

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.

Equipped with state-of-the-art modular optics, BRITELINE GEN3 delivers exceptional light precision, uniformity and efficiency. By directing 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, minimised 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 minimising 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.



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).

TYPES OF APPLICATION

- LARGE AREAS
- SPORT FACILITIES

KEY ADVANTAGES

- 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
- Excellent uniformity and significant energy savings
- Intelligent lighting via remote control
- Perfect photometric control avoids any glare or intrusion
- Lightweight, simple and robust design



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 GEN3 | BRITELINE GEN3 1



BRITELINE GEN3 | BRITELINE GEN3 2



BRITELINE GEN3 | BRITELINE GEN3 3



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
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	Aluminium
Optic	Polycarbonate
Protector	Tempered glass Polycarbonate (with integrated lenses)
Housing finish	Polyester powder coating 1500hrs NSS resistance (anodised extruded parts + polyester powder coated die-cast parts)
Tightness level	IP 66
Impact resistance	IK 08, IK 10
Vibration test	Compliant with ANSI C 136-31 standard, 3G load

· IK 10 only for the optical unit equipped with a polycarbonate protector

ELECTRICAL INFORMATION

Electrical class	Class I EU
Nominal voltage	200-480VAC – 50-60Hz
Surge protection options (kV)	10, 20 (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)
Associated control system(s)	Schröder ITERRA

· NEMA and Zhaga socket optionally available with the ITERRA Basic Box and GEARBLAST KIT

· The product warranty is void if the product is not installed with its dedicated surge protector

OPTICAL INFORMATION

LED colour 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 CW 757) 5700K (Cool White CW 857) 5700K (Cool White CW 957)
Colour 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 CW 757) >80 (Cool White CW 857) >90 (Cool White CW 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 @ TQ 25°C

All configurations	120,000h - L96
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· Lifetime may be different according to the size/configurations. Please consult us.

DIMENSIONS AND MOUNTING

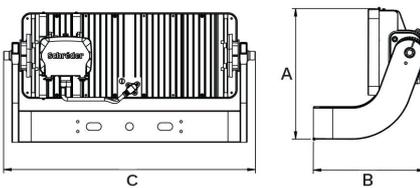
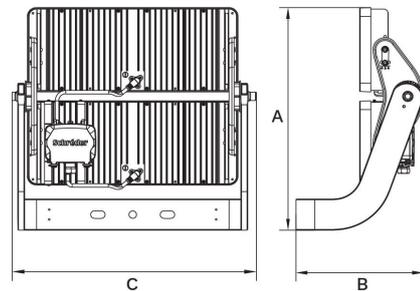
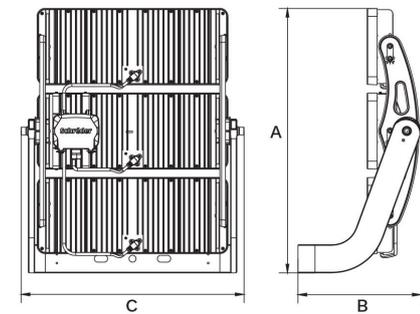
AxBxC (mm inch)	BRITELINE GEN3 1 : 395x362x706 15.6x14.3x27.8 BRITELINE GEN3 2 : 645x395x707 25.4x15.6x27.8 BRITELINE GEN3 3 : 846x415x707 33.3x16.3x27.8
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Weight (kg lbs)	BRITELINE GEN3 1 : 12.8-14.4 28.2-31.7 BRITELINE GEN3 2 : 20.5-23.8 45.1-52.4 BRITELINE GEN3 3 : 28.3-33.4 62.3-73.5
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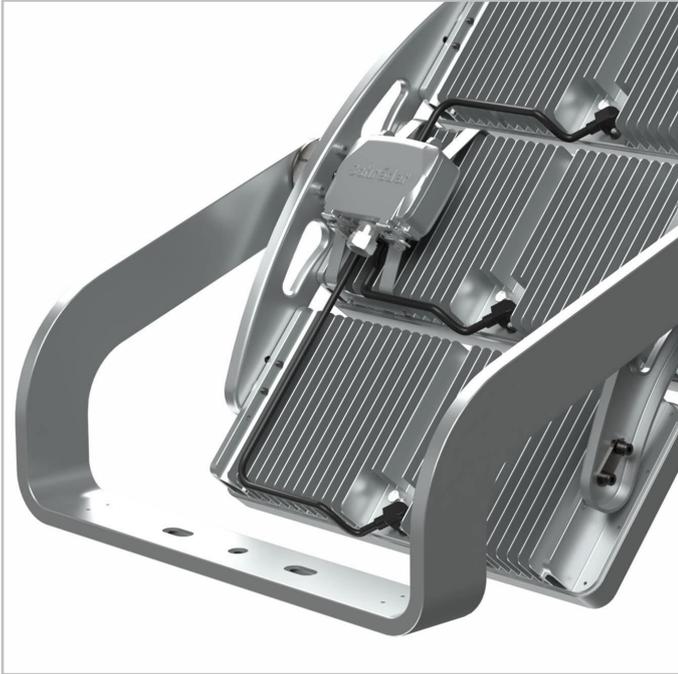
Aerodynamic resistance (CxS)	BRITELINE GEN3 1 : 0.17 BRITELINE GEN3 2 : 0.31 BRITELINE GEN3 3 : 0.45
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Mounting possibilities	Bracket enabling adjustable inclination
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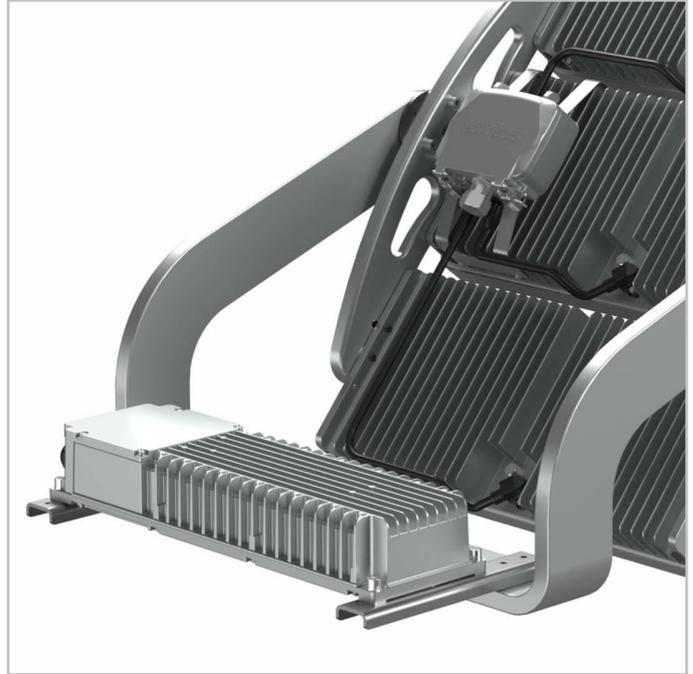
- For more information about mounting possibilities, please consult the installation sheet.
- Size and weight may be different according to the configuration. Please consult us for more information.



BRITELINE GEN3 | High-mast mounting fork
(with remote driver)



BRITELINE GEN3 | High-mast mounting fork
(with integrated driver)





Number of LEDs	Luminaire output flux (lm)																Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 730		Warm White WW 830		Neutral White NW 740		Neutral White NW 840		Neutral White NW 940		Cool White CW 757		Cool White CW 857		Cool White CW 957				
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
234	89600	91300	83900	85500	97200	99000	89600	91300	69200	70500	94300	96100	89600	91300	76800	78200	630	630	157
351	89800	101700	84100	95300	97400	110400	89800	101700	69400	78600	94600	107100	89800	101700	77000	87200	620	620	178

Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %



Number of LEDs	Luminaire output flux (lm)																Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 730		Warm White WW 830		Neutral White NW 740		Neutral White NW 840		Neutral White NW 940		Cool White CW 757		Cool White CW 857		Cool White CW 957				
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
468	179500	182800	168100	171200	194700	198300	179500	182800	138600	141200	189000	192500	179500	182800	153800	156700	1250	1250	159
702	179300	203000	167900	190100	194400	220200	179300	203000	138500	156800	188700	213800	179300	203000	153600	174000	1220	1220	181

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Number of LEDs	Luminaire output flux (lm)																Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 730		Warm White WW 830		Neutral White NW 740		Neutral White NW 840		Neutral White NW 940		Cool White CW 757		Cool White CW 857		Cool White CW 957				
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
702	268900	273900	251800	256500	291600	297000	268900	273900	207700	211500	283100	288400	268900	273900	230400	234700	1860	1860	160
1053	268900	304500	251800	285200	291700	330300	268900	304500	207700	235200	283100	320700	268900	304500	230500	261000	1830	1830	181

Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %