

BRITELINE GEN2



Versatile and efficient lighting solution for outdoor sports facilities

The BRITELINE GEN2 floodlight offers a versatile and efficient solution for lighting outdoor sports facilities and large areas where energy efficiency is a must. With its innovative design comprising adjustable and corrosion-resistant modules, this floodlight offers unparalleled versatility and precise configuration to accommodate any existing setup while ensuring accurate photometry.

Equipped with high-performance LED engines, BRITELINE GEN2 stands out by delivering exceptional performance at affordable costs. Its light distributions and backlighting options not only provide outstanding visibility but also adhere to strict environmental standards, meeting light pollution regulations and dark sky requirements.

Compatible with the Schröder ITERRA control system, BRITELINE GEN2 provides intelligent and intuitive lighting, elevating recreational sports and outdoor floodlighting to unprecedented levels.

IP 66

IK 10



SPORTS



CAR PARKS



LARGE
AREAS



INDUSTRIAL
AREA
LIGHTING



TRANSIT
HUBS

Concept

BRITELINE GEN2 is a powerful floodlight designed to provide high-efficiency lighting in a cost-effective solution for large areas and outdoor sports facilities. Made of LM6 aluminium alloy, BRITELINE GEN2 has a robust design that thrives even in salty and highly corrosive environments. Available in two sizes, it offers an innovative layout consisting of one or two adjustable lighting modules, granting unparalleled flexibility in directing the light. This unique design allows for precise orientation on both the mounting bracket and the modules themselves, enabling seamless adaptation to any existing configuration. Moreover, the bracket design has been enhanced for high and low installations, optimising luminaire distribution within the entire setup to maximise performance while minimising costs.

Bring obtrusive floodlighting to an end with BRITELINE GEN2. This floodlight solution offers a range of asymmetric light distributions and hood options, ensuring compliance with light pollution regulations and dark sky requirements.

BRITELINE GEN2 perfectly blends performance with energy savings. Equipped with the ProFlex™ photometric engines, it delivers highly efficient and cost-effective lighting, enabling a more energy-conscious outdoor lighting installation.

Its remote gear allows all the electronic components to be installed remotely, at a distance of up to 200m. This feature not only optimises the lighting installation itself, it also reduces the weight and stress on the poles. An integrated driver is available for BRITELINE GEN2 size 1.

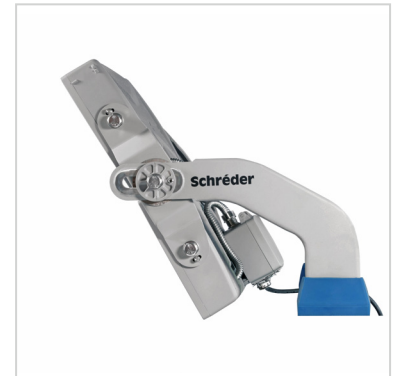
More than standard floodlighting, BRITELINE GEN2 is compatible with the Schröder ITERRA control system, enabling intelligent and intuitive local or remote control of your lighting installation.

MAIN APPLICATIONS

- Sports
- Car parks
- Large areas
- Industrial
- Transit hubs

KEY ADVANTAGES

- Maximised savings in energy and maintenance costs
- ProFlex™ photometric engines offering high efficiency lighting, comfort and safety
- Inclination angle adjustable on-site for each module and/or the complete bracket
- Intelligent lighting via remote control
- Perfect control of light distributions
- Two sizes to provide the best solution



BRITELINE GEN2 has a unique and robust layout, compatible with highly corrosive environments.



Its bracket layout enables BRITELINE GEN2 to be orientated in different axes to provide accurate photometry.



The ProFlex™ photometric engines enable high efficiency.



All exposed cabling has bird proof conduit

BRITELINE GEN2 | BRITELINE GEN2 1 Module



BRITELINE GEN2 | BRITELINE GEN2 2 Module





The ProFlex™ photometric engine integrates the lenses into a polycarbonate protector. This integration increases the output and reduces the reflection inside the optical unit. The polycarbonate used for the ProFlex™ photometric engine offers essential characteristics such as high optical clarity for a superior light transmission, better impact resistance compared to glass and a long life span with UV-stabilisation treatment. The ProFlex™ concept enables a compact design with a thin optical compartment. It provides extensive light distributions so that the spacing between the luminaires can be increased.



GENERAL INFORMATION

Recommended installation height	15m to 40m
Circle Light label	Score ≥ 90 - The product fully meets circular economy requirements
Driver included	Ordered separately
RCM Mark	Yes
CE mark	Yes
ENEC certified	Yes
UL certified	Yes
ROHS compliant	Yes
Testing standard	AS/NZS 60598.1:2017 EN 60598-1 EN 60598-2-1 EN 62262 UL 1598 IEC 62722-2-1 IEC 62493 IEC 62471

HOUSING AND FINISH

Housing	Aluminium
Optic	Polycarbonate
Protector	Polycarbonate (with integrated lenses)
Housing finish	Polyester powder coating
Standard colour(s)	RAL 9006B
Tightness level	IP66
Impact resistance	IK10
Vibration test	Compliant with modified IEC 68-2-6 (0.5G)
Access for maintenance	Tool-less access to gear compartment

PERFORMANCE

Lumen efficacy	150lm/w
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· Depending on the luminaire configuration. For more details, please contact us.

ELECTRICAL INFORMATION

Electrical class	Class I
Nominal voltage	120-277V - 50-60Hz 220-240V - 50-60Hz 277-480V - 50/60Hz
Surge protection (kV)	10kV
Electromagnetic compatibility (EMC)	AS/NZS CISPR 15
Control protocol(s)	DALI-2
Control options	Remote management
Socket	NEMA 7-pin (optional)
Associated control system(s)	Schröder ITERRA

OPTICAL INFORMATION

LED colour temperature	5700k
Colour rendering index (CRI)	> 70

OPERATING CONDITIONS

Temperature range from operation (Ta)	-30°C up to +40°C
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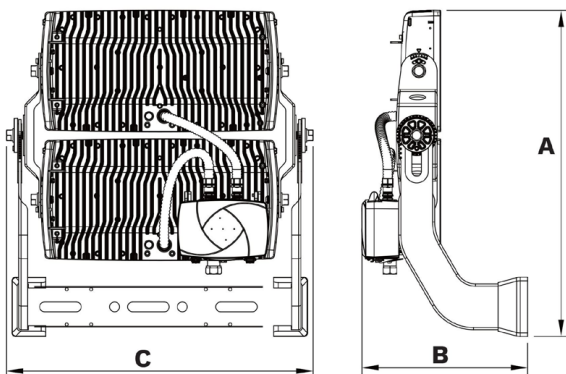
LIFETIME OF THE LEDS @ TQ 25°C

All configurations	120,000h - L96
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DIMENSIONS AND MOUNTING

A x B x C (mm)	BRITELINE GEN2 1 : 436x332x609 BRITELINE GEN2 2 : 723x367x679
Weight (kg)	BRITELINE GEN2 1 : 16.5 remote driver 21.5 integral driver BRITELINE GEN2 2 : 30.0
Aerodynamic resistance Windage at 0° tilt (m2)	BRITELINE GEN2 1 : 0.07 remote driver 0.1 integral driver BRITELINE GEN2 2 : 0.08
Mounting possibilities	Trunnion

· For more information about mounting possibilities, please consult the installation sheet.



**1 MODULE**

Product Code	Name	Beam Dist.	Colour Temp (K)	System Power (W)
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SINGLE MODULE FLOODLIGHT - REMOTE DRIVER

BRITEL21-000051	BRITELINE G2 SINGLE MODULE CRI70 5700K ASYM A1 5444 NO GEAR	Asymmetric A1 narrow	5700	700
BRITEL21-000101	BRITELINE G2 SINGLE MODULE CRI70 5700K ASYM A2 5447 NO GEAR	Asymmetric A2 medium	5700	700
BRITEL21-000103	BRITELINE G2 SINGLE MODULE CRI70 5700K ASYM A3 5448 NO GEAR	Asymmetric A3 wide	5700	700
BRITEL21-000104	BRITELINE G2 SINGLE MODULE CRI70 5700K ASYM A4 5449 NO GEAR	Asymmetric A4 very wide	5700	700

GEAR TRAYS FOR SINGLE MODULE FLOODLIGHT (IP20)

FLGERGT01	G/TRAY 1360W 240V DALI 10KV SPD IP20 RAPTOR/BRITELINE
FLGFRGT01	G/TRAY 1360W 415V DALI 10KV SPD IP20 RAPTOR/BRITELINE

GEAR BOXES FOR SINGLE MODULE FLOODLIGHT (IP66)

BRITEL21-000005	BRITELINE G2 SINGLE MODULE GEAR BOX IP66 240V DALI
BRITEL21-000008	BRITELINE G2 SINGLE MODULE GEAR BOX IP66 415V DALI

SINGLE MODULE FLOODLIGHT - INTEGRAL 240V DALI DRIVER

BRITEL21-000098	BRITELINE G2 SINGLE MODULE CRI70 5700K ASYM A1 5444 240VDALI	Asymmetric A1 narrow	5700	700
BRITEL21-000109	BRITELINE G2 SINGLE MODULE CRI70 5700K ASYM A2 5447 240VDALI	Asymmetric A2 medium	5700	700
BRITEL21-000102	BRITELINE G2 SINGLE MODULE CRI70 5700K ASYM A3 5448 240VDALI	Asymmetric A3 wide	5700	700
BRITEL21-000050	BRITELINE G2 SINGLE MODULE CRI70 5700K ASYM A4 5449 240VDALI	Asymmetric A4 very wide	5700	700

SINGLE MODULE FLOODLIGHT - INTEGRAL 415V DALI DRIVER

BRITEL21-000110	BRITELINE G2 SINGLE MODULE CRI70 5700K ASYM A1 5444 415VDALI	Asymmetric A1 narrow	5700	700
BRITEL21-000111	BRITELINE G2 SINGLE MODULE CRI70 5700K ASYM A2 5447 415VDALI	Asymmetric A2 medium	5700	700
BRITEL21-000071	BRITELINE G2 SINGLE MODULE CRI70 5700K ASYM A3 5448 415VDALI	Asymmetric A3 wide	5700	700
BRITEL21-000112	BRITELINE G2 SINGLE MODULE CRI70 5700K ASYM A4 5449 415VDALI	Asymmetric A4 very wide	5700	700

**2 MODULE**

Product Code	Name	Beam Dist.	Colour Temp (K)	System Power (W)
2 MODULE FLOODLIGHT - REMOTE DRIVER				
BRITEL22-000012	BRITELINE G2 TWO MODULE CRI70 5700K ASYM A1 5444 NO GEAR	Asymmetric A1 narrow	5700	1400
BRITEL22-000052	BRITELINE G2 TWO MODULE CRI70 5700K ASYM A2 5447 NO GEAR	Asymmetric A2 medium	5700	1400
BRITEL22-000071	BRITELINE G2 TWO MODULE CRI70 5700K ASYM A3 5448 NO GEAR	Asymmetric A3 wide	5700	1400
BRITEL22-000070	BRITELINE G2 TWO MODULE CRI70 5700K ASYM A4 5449 NO GEAR	Asymmetric A4 very wide	5700	1400

GEAR TRAYS FOR TWO MODULE FLOODLIGHT (IP20)

FLGERGT01	G/TRAY 1360W 240V DALI 10KV SPD IP20 RAPTOR/BRITELINE
FLGFRGT01	G/TRAY 1360W 415V DALI 10KV SPD IP20 RAPTOR/BRITELINE

GEAR BOXES FOR TWO MODULE FLOODLIGHT (IP66)

BRITEL22-000003	BRITELINE G2 TWO MODULE GEAR BOX IP66 240V DALI
BRITEL22-000006	BRITELINE G2 TWO MODULE GEAR BOX IP66 415V DALI

HYBRID DRIVERS FOR TWO MODULE FLOODLIGHT (IP20)

HYB1ST240V	G/TRAY HYBRID 1420W 240V 1 STP RAPTOR 3/4 BRITELINE 1/2
HYB1ST415V	G/TRAY HYBRID 1420W 415V 1 STP RAPTOR 3/4 BRITELINE 1/2
HYB4ST240V	G/TRAY HYBRID 1420W 240V 4 STP RAPTOR 3/4 BRITELINE 1/2
HYB4ST415V	G/TRAY HYBRID 1420W 415V 4 STP RAPTOR 3/4 BRITELINE 1/2
HYBD240V	G/TRAY HYBRID 1420W 240V DALI RAPTOR 3/4 BRITELINE 1/2
HYBD415V	G/TRAY HYBRID 1420W 415V DALI RAPTOR 3/4 BRITELINE 1/2

HYBRID DRIVERS FOR TWO MODULE FLOODLIGHT (IP65)

HYB1ST240VIP65	W/P BOX HYBRID 1420W 240V 1 STP RAPTOR 3/4 BRITELINE 1/2
HYB1ST415VIP65	W/P BOX HYBRID 1420W 415V 1 STP RAPTOR 3/4 BRITELINE 1/2

ACCESSORIES

BRITEL22-000031	BRITELINE G2 TWO MODULE HOOD V1-TYPE INCL FASTENERS
BRITEL21-000040	BRITELINE G2 SINGLE MODULE HOOD V1-TYPE INCL FASTENERS