

OMNIBLAST GEN2



Unrivalled combination of performance and flexibility

OMNIBLAST GEN2 is the ideal tool for sports venues and applications in other very large areas that require a lighting solution with the highest levels of efficiency and flexibility to adapt to the different lighting needs.

OMNIBLAST GEN2 is FIFA Quality Pro approved, meeting the most rigorous standards for quality, performance and installation. It ensures compliance to the strict lighting requirements for professional football venues.

The modular concept of optical units means that one, two or three modules can be mounted on the same bracket to offer the utmost versatility, providing light distribution and lumen packages that are perfectly adapted to the specifications of the area to be lit.

To enhance the on-site experience and television images, OMNIBLAST GEN2 guarantees perfect glare control, a high CRI and TLCl as well as flicker-free lighting. OMNIBLAST GEN2 is available with warm, neutral or cool white LEDs.

IP 66

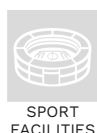
IK 08

IK 09

IK 10



UL 1598
CSA C22.2
No. 250.0



Concept

OMNIBLAST GEN2 has been designed to provide an unrivalled combination of performance and flexibility for lighting sports venues and other areas where high lumen packages are needed. This FIFA Quality Pro approved floodlight delivers independently validated lighting performance that aligns with the highest professional football standards.

To enhance the on-site experience and television images, OMNIBLAST GEN2 guarantees perfect glare control, a high colour rendering index (CRI) and television lighting consistency index (TLCI >85+) as well as flicker-free lighting for perfect high-definition broadcast and super slow-motion replays.

OMNIBLAST GEN2 incorporates a patented cooling technology that maximises its life span and lumen output. The modular concept of optical units which enables one, two or three modules to be grouped on the same bracket, and the powerful LensoFlex®, BlastFlex™ and ReFlexo™ LED engines means that OMNIBLAST GEN2 provides a wide range of lighting distributions and lumen packages to meet the specifications of the area to be lit.

It offers perfect glare control with specific optical units and external accessories such as a hood and louvres. The gear boxes can be installed remotely on a various range of brackets. OMNIBLAST GEN2 is available with warm, neutral or cool white LEDs. Cool white LEDs provide a high CRI and are thus particularly suitable for HD 4K UHD images.

The gearbox can be installed remotely on a wide range of brackets.

It can optionally be connected to remote or local control systems, allowing easy management of the lighting installation, with advanced lighting control features, including on-demand dimming, dynamic scenarios for sports events and special occasions, and instant lighting level adjustments to suit any environment.



OMNIBLAST GEN2 takes advantage of patented cooling technology for sustainable performance.



Each module can be tilted individually up to 40° (+20°/-20°).

TYPES OF APPLICATION

- ACCENT & ARCHITECTURAL
- LARGE AREAS
- SPORT FACILITIES

KEY ADVANTAGES

- Cost-effective and efficient to maximise energy and maintenance savings
- Flexibility: modular approach for high-power applications
- High Colour Rendering Index (CRI) and Television Colour Consistency (TLCI)
- Compliant with UHD/HD/4K broadcasting and super slow-motion replays (flicker-free)
- Optimised glare control
- Sports optics based on BlastFlex technology offering a wide range of beams: very narrow to asymmetrical beams
- Inclination angle adjustable on-site for each module and/or the complete bracket
- LensoFlex®4 versatile solutions for high-end photometries maximising comfort and safety
- Dynamic scenarios via DMX-RDM protocol
- FIFA Quality Pro approved



The lightweight yet robust bracket for 2 or 3 modules incorporates various settings.



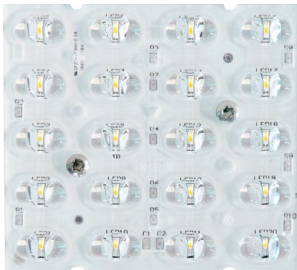
OMNIBLAST GEN2 offers a wide range of accessories (brackets, louvres, hoods...).



LensoFlex®4

LensoFlex®4 maximises the heritage of the LensoFlex® concept with a very compact yet powerful photometric engine based upon the addition principle of photometric distribution. The number of LEDs in combination with the driving current determines the intensity level of the light distribution. With optimised light distributions and very high efficiency, this fourth generation enables the products to be downsized to meet application requirements with an optimised solution in terms of investment.

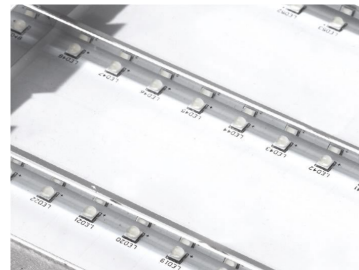
LensoFlex®4 optics can feature backlight control to prevent intrusive lighting, or a glare limiter for high visual comfort.



ReFlexo™

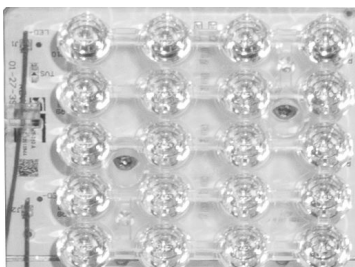
Using metal reflectors with a superior reflective co-efficient, the ReFlexo photometric engine delivers high performance for specific applications such as counter beam lighting in tunnels or very extensive light distributions for sports or apron lighting.

Another key advantage of the ReFlexo is its' ability to direct all the light to the front of the luminaire, ensuring that no back light is emitted. This photometric engine guarantees glare free lighting for excellent visual comfort and the creation of ambiance.



BlastFlex™4

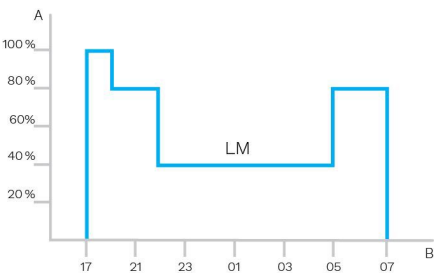
Using collimators made of high-transmission PMMA, the BlastFlex 4 photometric engine offers the highest efficiency for directional beams dedicated to specific applications in architectural and sports lighting. The ability to control the light with the highest accuracy reduces light spill in the surroundings, improves uniformity on the area to be lit and contributes to optimal use of the energy consumed.





Dimming through 0-10V or DMX-RDM

Intelligent luminaire 0-10V drivers enable to operate dimming profiles. DMX-RDM is a protocol that allows bi-directional communication between a lighting fixture and a controller over a standard DMX line. This protocol allows configuration, status monitoring, and control of the lighting fixture. The standard has been developed by the Entertainment Services and Technology Association (ESTA) and is the current standard on the market.



A. Performance | B. Time

GENERAL INFORMATION

CE mark	Yes
ENEC certified	Yes
UL certified	Yes
ROHS compliant	Yes
FIFA Quality Pro	Yes
French law of December 27th 2018 - Compliant with application type(s)	a, b, c, d, e, f, g
TUV ball throwing compliant	Yes
Testing standard	EN 60598-2-3 EN 62262

HOUSING AND FINISH

Housing	Aluminium
Optic	Aluminium reflector PMMA Silicon
Protector	Tempered glass Polycarbonate
Housing finish	Polyester powder coating
Standard colour(s)	RAL 7035 light grey
Tightness level	IP 66
Impact resistance	IK 08, IK 09, IK 10
Vibration test	Compliant with ANSI C 136-31 - 3G and IEC 68-2-6 - 1.5g
Safety compliance against ball throwing	DIN18 032-3:1997-04 according to EN 13 964 Annex D

OPERATING CONDITIONS

Operating temperature range (Ta)	-30°C up to +55°C / -22° F up to 131°F
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· Depending on the luminaire configuration. For more details, please contact us.

ELECTRICAL INFORMATION

Electrical class	Class 1 US, Class I EU
Nominal voltage	120-277V – 50-60Hz 220-240V – 50-60Hz 347-480V – 50-60Hz
Surge protection options (kV)	10 20
Electromagnetic compatibility (EMC)	EN 55015:2013/A1:2015, EN 61000-4-2, -3, -4, -5, -6, -8, -11:2014, EN 61000-3-2, -3:2013
Control protocol(s)	1-10V, DALI, DMX-RDM
Control options	Remote management
Socket	NEMA 7-pin (optional)
Associated control system(s)	Nicolaudie Pharos Schröder ITERRA

· Electrical information given for the gear box

OPTICAL INFORMATION

LED colour temperature	2700K (Warm White WW 727) 3000K (Warm White WW 730) 3000K (Warm White WW 830) 4000K (Neutral White NW 740) 4000K (Neutral White NW 940) 5700K (Cool White CW 757) 5700K (Cool White CW 957)
Colour rendering index (CRI)	>70 (Warm White WW 727) >70 (Warm White WW 730) >80 (Warm White WW 830) >70 (Neutral White NW 740) >90 (Neutral White NW 940) >70 (Cool White CW 757) >90 (Cool White CW 957)

LIFETIME OF THE LEDS @ TQ 25°C

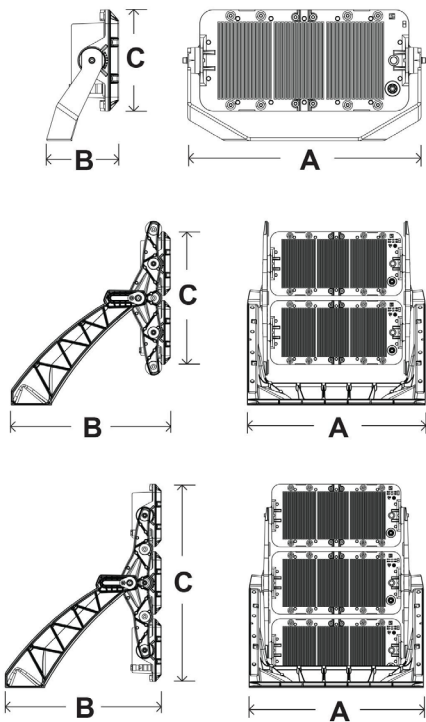
All configurations	100,000h - L95
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· Lifetime may be different according to the size/configurations. Please consult us.


DIMENSIONS AND MOUNTING

AxBxC (mm inch)	OMNIBLAST GEN2 1 : 595x188x250 23.4x7.4x9.8 OMNIBLAST GEN2 2 : 780x654x520 30.7x25.7x20.5 OMNIBLAST GEN2 3 : 780x654x790 30.7x25.7x31.1
Weight (kg lbs)	OMNIBLAST GEN2 1 : 10.0-12.0 22.0-26.4 OMNIBLAST GEN2 2 : 24.0-28.0 52.8-61.6 OMNIBLAST GEN2 3 : 30.0-35.0 66.0-77.0
Aerodynamic resistance (CxS)	OMNIBLAST GEN2 1 : 0.11 OMNIBLAST GEN2 2 : 0.27 OMNIBLAST GEN2 3 : 0.48
Mounting possibilities	Bracket enabling adjustable inclination Suspended mounting


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



OMNIBLAST
GEN2 1




Photometry




Number of LEDs	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 727		Warm White WW 730		Neutral White NW 740		Cool White CW 757				
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
160	42500	67500	47300	75200	51900	82400	46100	73100	367	574	161

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

OMNIBLAST
GEN2 1



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OMNIBLAST
GEN2 1



Photometry



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		Warm White WW 830		Neutral White NW 740		Neutral White NW 940		Cool White CW 757		Cool White CW 957				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to	
96	45800	57200	51000	63600	43100	53800	49700	61900	40700	50800	619	619	103	

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



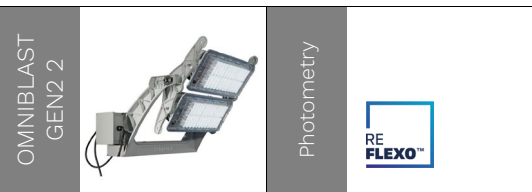
		Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
		Warm White WW 727		Warm White WW 730		Neutral White NW 740		Cool White CW 757				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to	
320	61100	135100	68000	150400	74600	164900	66200	146400	495	1148	172	

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



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Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
192	91700	114400	102100	127300	86300	107700	99400	123900	81400	101600	1160	1160	110

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



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		Warm White WW 727		Warm White WW 730		Neutral White NW 740		Cool White CW 757				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to	
480	91700	202700	102100	225700	111900	247400	99400	219600	825	1718	169	

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



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Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
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Luminaire output flux (lm)										Power consumption (W)		Luminaire efficacy (lm/W)	
Warm White WW 830		Neutral White NW 740		Neutral White NW 940		Cool White CW 757		Cool White CW 957					
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
288	137600	171700	153100	191000	129500	161500	149100	185900	122200	152400	1740	1740	110

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