

# 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 TLCI as well as flicker-free lighting. OMNIBLAST GEN2 is available with warm, neutral or cool white LEDs.



## 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™

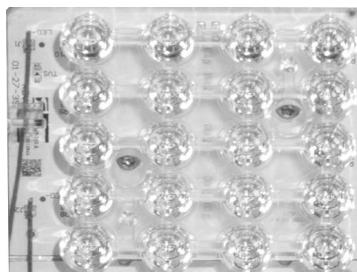
Using metal reflectors with a superior reflective co-efficient, the ReFlexo™ photometric engine delivers high performance for specific applications such as counter beam lighting in tunnels or very extensive light distributions for sports or apron lighting.

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

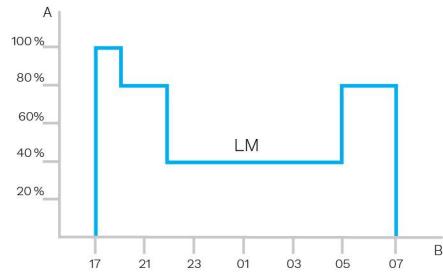
Using collimators made of high-transmission PMMA, the BlastFlex™ 4 photometric engine offers the highest efficiency for directional beams dedicated to specific applications in architectural and sports lighting. The ability to control the light with the highest accuracy reduces light spill in the surroundings, 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		ELECTRICAL INFORMATION	
CE mark	Yes	Electrical class	Class 1 US, Class I EU
ENEC certified	Yes	Nominal voltage	120-277V – 50-60Hz 220-240V – 50-60Hz 347-480V – 50-60Hz
UL certified	Yes	Surge protection options (kV)	10 20
ROHS compliant	Yes	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
FIFA Quality Pro	Yes	Control protocol(s)	1-10V, DALI, DMX-RDM
French law of December 27th 2018 - Compliant with application type(s)	a, b, c, d, e, f, g	Control options	Remote management
TUV ball throwing compliant	Yes	Socket	NEMA 7-pin (optional)
Testing standard	EN 60598-2-3 EN 62262	Associated control system(s)	Nicolaudie Pharos Schréder ITERRA
HOUSING AND FINISH		· Electrical information given for the gear box	
Housing	Aluminium	OPTICAL INFORMATION	
Optic	Aluminium reflector PMMA Silicon	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)
Protector	Tempered glass Polycarbonate	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)
Housing finish	Polyester powder coating	OPERATING CONDITIONS	
Standard colour(s)	RAL 7035 light grey	LIFETIME OF THE LEDS @ TQ 25°C	
Tightness level	IP 66	All configurations	100,000h - L95
Impact resistance	IK 08, IK 09, IK 10	· Lifetime may be different according to the size/configurations. Please consult us.	
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 13964 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.

## 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

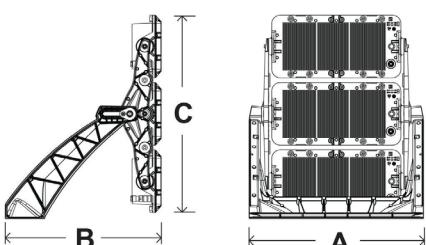
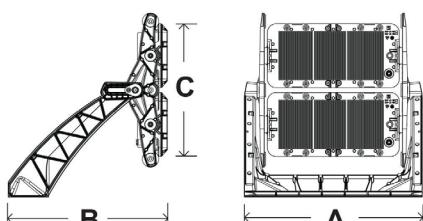
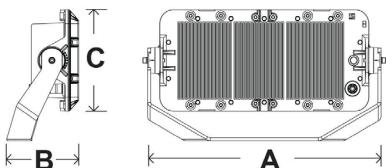
Aerodynamic resistance (CxS)

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.





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	Up to		
160	42500	67500	47300	75200	51900	82400	46100	73100	367	574	161

Tolerance on LED flux is  $\pm 7\%$  and on total luminaire power  $\pm 5\%$



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Warm White WW 830		Neutral White NW 740		Neutral White NW 940		Cool White CW 757							
Number of LEDs	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

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320	61100	135100	68000	150400	74600	164900	66200	146400	495	1148	172

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

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Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Up to		
480	91700	202700	102100	225700	111900	247400	99400	219600	825	1718	169

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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	Up to		
288	137600	171700	153100	191000	129500	161500	149100	185900	122200	152400	1740	1740	110

Tolerance on LED flux is  $\pm 7\%$  and on total luminaire power  $\pm 5\%$