

# OMNIflood



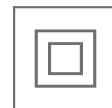
Designer : AF lighting



## The versatility to light all types of public and professional environments

The aesthetic design of OMNIflood, in combination with a wide range of sizes, optical and mounting options, make it very versatile and thus the perfect choice for lighting recreational sports areas, industrial areas, campuses, business parks, car parks, building facades and billboards.

OMNIflood is the ideal tool to replace a range of floodlights equipped with traditional discharge lamps of 50 to 400W.



## Concept

The OMNiflood range combines the energy efficiency of LED technology with the photometric performance of the LensoFlex®2 and BlastFlex™ concepts developed by Schröder. These floodlights are composed of a two-piece housing made of painted die-cast aluminium. The protector in glass is sealed onto the front cover. Mounting by means of a fork enables the inclination to be adjusted precisely on-site.

Two sizes for all applications

OMNiflood 1 with 16 LEDs

OMNiflood 3 with 72 LEDs.

The two sizes of the OMNiflood range and its photometric versatility make it perfect for various lighting applications: sport (indoor and outdoor recreational venues), architectural (lighting for facades and monuments), ambiance (squares, parks, pedestrian areas...), or roads (car parks, shopping centres, underpasses, industrial areas etc.).



Tilt settings from -30° to +30°



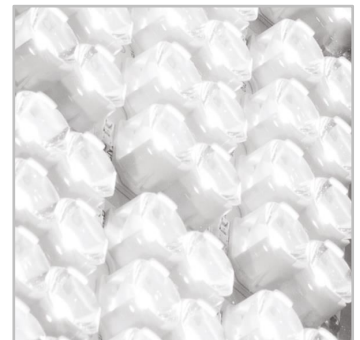
Cooling fins for an optimised thermal management

## TYPES OF APPLICATION

- ACCENT & ARCHITECTURAL
- BRIDGES
- BIKE & PEDESTRIAN PATHS
- LARGE AREAS
- INDUSTRIAL HALLS & WAREHOUSES
- ROADS & MOTORWAYS
- SPORT FACILITIES

## KEY ADVANTAGES

- One-to-one replacement for 50W to 400W HID floodlights
- High energy savings compared to systems with traditional discharge lamps
- Precise light control with LensoFlex®2 and BlastFlex™ photometric engines
- FutureProof : smart upgradability



BlastFlex™ photometric engines for applications requiring very directional beams



Adapter for post-top mounting on Ø60 or 76mm spigot



## LensoFlex®2

LensoFlex®2 is based upon the addition principle of photometric distribution. Each LED is associated with a specific PMMA lens that generates the complete photometric distribution of the luminaire. The number of LEDs in combination with the driving current determines the intensity level of the light distribution.

The proven LensoFlex®2 concept includes a glass protector to seal the LEDs and lenses into the luminaire body.



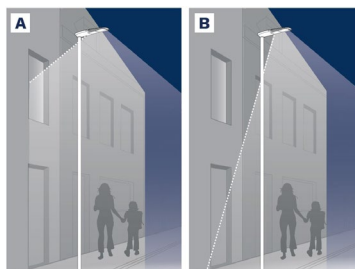
## BlastFlex™

Using silicon collimators, the BlastFlex™ photometric engine offers the highest efficacy for directional beams dedicated to specific applications in architectural and sports lighting. The ability to control the light with the highest accuracy reduces the light spill in the surroundings and contributes to an optimal use of the energy consumed. Thanks to a superior thermal resistance, the BlastFlex™ optics can work with very high currents to provide large lumen packages and do not suffer from the yellowing effect over time.



## Back Light control

As an option, the LensoFlex®2 and LensoFlex®4 modules can be equipped with a Back Light control system (figure B). This additional feature minimises light spill from the back of the luminaire to avoid intrusive light towards buildings.



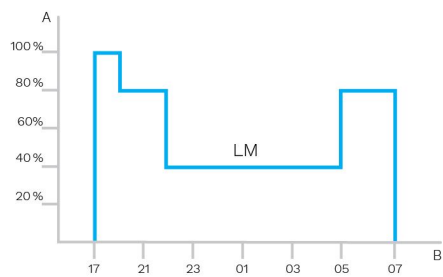
A. Without Back Light control | B. With Back Light control



### Custom dimming profile

Intelligent luminaire drivers can be programmed with complex dimming profiles. Up to five combinations of time intervals and light levels are possible. This feature does not require any extra wiring.

The period between switching on and switching off is used to activate the preset dimming profile. The customised dimming system generates maximum energy savings while respecting the required lighting levels and uniformity throughout the night.



A. Performance | B. Time

## GENERAL INFORMATION

Recommended installation height	4m to 12m   13' to 39'
FutureProof	Easy replacement of the photometric engine and electronic assembly on-site
Driver included	Yes
CE Mark	Yes
ENEC certified	No
ROHS compliant	Yes
BE 005 certified	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory)

## HOUSING AND FINISH

Housing	Aluminium
Optic	PMMA Silicon
Protector	Tempered glass
Housing finish	Polyester powder coating
Standard colour(s)	AKZO grey 900 sanded
Tightness level	IP 66
Impact resistance	IK 10
Vibration test	Compliant with ANSI C 136-31 standard, 3G load
Access for maintenance	By loosening screws on the top cover

## 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 I EU, Class II EU
Nominal voltage	220-240V – 50-60Hz
Power factor (at full load)	0.9
Surge protection options (kV)	10
Electromagnetic compatibility (EMC)	EN 55015 / EN 61000-3-2 / EN 61000-3-3
Control protocol(s)	1-10V, DALI
Control options	Custom dimming profile

## OPTICAL INFORMATION

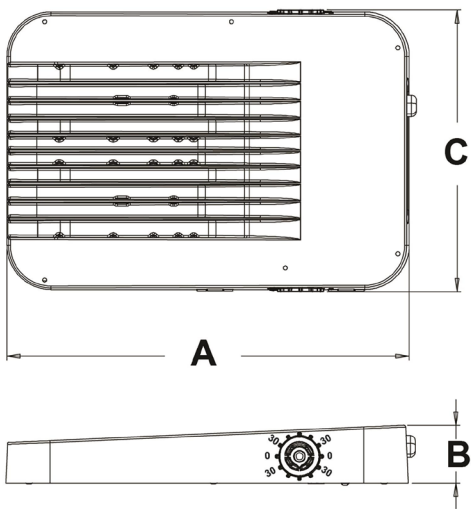
LED colour temperature	3000K (Warm White 730) 4000K (Neutral White 740)
Colour rendering index (CRI)	>70 (Warm White 730) >70 (Neutral White 740)
Upward Light Output Ratio (ULOR)	0%

## LIFETIME OF THE LEDS @ TQ 25°C

All configurations	100,000h - L90
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## DIMENSIONS AND MOUNTING

AxBxC (mm   inch)	OMNiflood 1 - 500x72x311   19.7x2.8x12.2 OMNiflood 3 - 546x88x475   21.5x3.5x18.7
Weight (kg   lbs)	OMNiflood 1 - 9   19.8 OMNiflood 3 - 18.4   40.5
Mounting possibilities	Post-top slip-over – Ø60mm Post-top slip-over – Ø76mm Bracket enabling adjustable inclination Surface mounting





Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Warm White 730		Luminaire output flux (lm) Neutral White 740		Power consumption (W)		Luminaire efficacy (lm/W)	
			Min	Max	Min	Max	Min	Max	Up to	Photometry
OMNiflood 1	16	350	1600	2100	1700	2200	19	19	116	
	16	350	1900	2100	2100	2300	22	22	105	
	16	700	2900	3800	3200	4200	37	37	114	
	16	700	3500	3900	3900	4300	37	37	116	
	16	1000	3600	4700	3900	5100	54	54	94	
	16	1000	4300	4800	4700	5300	54	54	98	
OMNiflood 3	72	350	7300	8900	7900	9700	78	78	124	
	72	350	8700	9600	9500	10400	78	78	133	
	72	500	10000	12200	10800	13300	102	102	130	
	72	500	12000	13100	13000	14300	102	102	140	
	72	700	13200	16100	14300	17600	157	157	112	
	72	700	15800	17400	17200	18900	157	157	120	
	72	1000	17500	21400	19000	23300	227	227	103	
	72	1000	21000	23100	22800	25100	224	224	112	

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

