

Luminaire Specification

ECOBLAST is a range of high-performing floodlights designed to provide the right light where, when and how it is needed in outdoor sports venues where high lumen packages and razor-sharp lighting distribution are needed.

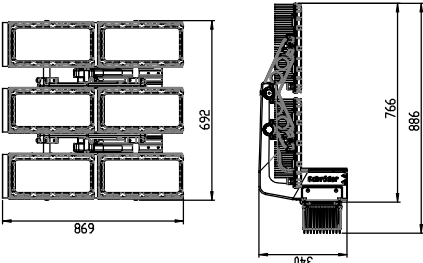
ECOBLAST has outstanding, cutting-edge technology which offers perfect uniformity and superior visual comfort for players, spectators and neighbours with low glare optics.

Schröder - ECOBLAST 6
5355 Flat glass - Anti-reflective glass
360 OSLO SQUARE GIANT@1650mA
5700k CW / CRI 90 / 184700 lm
1790w PF 95+
IP66 / IK08
IEEE 1789 Flicker Compliant
DALI2 Driver

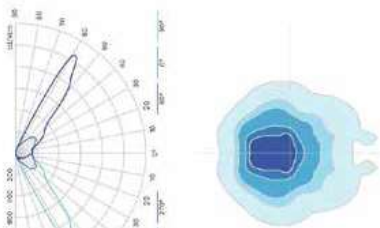
Product Image:



Dimensions:



Optical Distribution:



Control Strategy

In order to further reduce the potential impact from the proposed lighting scheme, a dedicated control strategy will be implemented which ensures that only the necessary illumination for the intended use is active.

MUGA 1 is treated as one control group and both pitches within MUGA 1 are illuminated together in Control Group A to the same level when in use. Dimming is used as appropriate.

Operational Hours & Curfew

Whilst the intended purpose of lighting the sports facilities is primarily to extend their use in the hours where there is not sufficient natural daylight, the impact of flood lighting must be considered on adjacent residential properties.

A curfew time of 22:00 is set beyond which the levels of illumination and source intensity experienced by nearby receptors must be below the limits set by the Environmental Zone (E3) as prescribed in ILP Guidance Note GN01 - The Reduction of Obtrusive Light. To achieve this, the lighting is to be dimmed or deactivated automatically by a time clock as set out below. The lighting is activated by manual control according to use requirements as needed. Limited use of amenity lighting is allowed beyond the curfew time as this is calculated to not exceed stated limits for the Environmental Zone.

Control Group Dimming Levels for Different Use Case Scenarios:

Pitch Usage	Control Group A
MUGA 1: (Pitch 1 & 2) Netball 400 lux	100%
MUGA 1: (Pitch 1 & 2) Football (Class II) 200 lux	50%
MUGA 1: (Pitch 1 & 2) Amenity Lighting Only 40 lux	10%



Reference Image

Dimming Levels for Operating Hours:

Operational Times	MUGA 1 (% Max)
Daylight Hours (>400 lux by Photocell) No Lighting Required	0%
Dusk (<400 lux by Photocell) to 22:00 (Curfew) When In Use / Netball	100%
Dusk (<400 lux by Photocell) to 22:00 (Curfew) When In Use / Football	50%
Dusk (<400 lux by Photocell) to 22:30 When In Use / Amenity Only	10%
22:30 to 07:30 Lighting OFF	0%