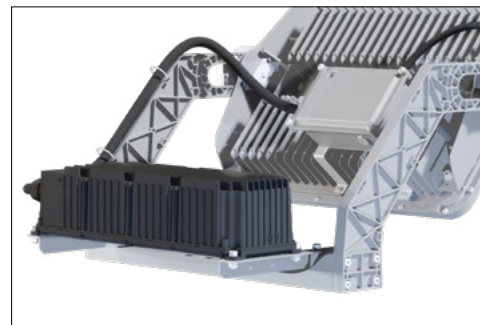




Modular LED floodlights for Sport applications



DESCRIPTION

Product name	KERIS 5	KERIS 6
Housing	Bracket, module interfaces, radiators and electric connexion box in die cast aluminium	
Finition	Standard colour grey and aluminium bracket	
Bowl	In thermally tempered non-reflective glass	
Mechanical impact protection code	IK 08	
Ingress Protection	IP 66 in accordance with the standard EN 60 529 Pneumatic silicone gasket Cable gland with anchoring device Breathing system with activated carbon filter	
Electrical class	Class I	
Ambient temperature	- 40°C to + 40°C	

MECHANICAL INTERFACES

Bracket / tilt free when supported and 0 to 90° when suspended, indicators every 5°

MAINTENANCE

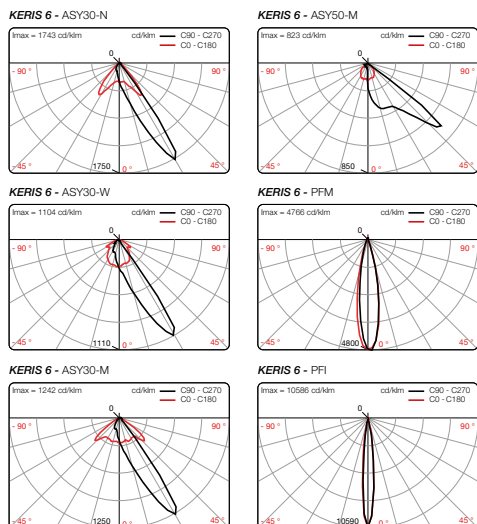
Maintenance Removable LED and power supply modules

LED SOURCES

Colour temperature (K)	4000 K or 5700 K (others upon request)
CRI	70 (others upon request)
LED flow per module	75 641 lm
SDCM Floodlights	<4
LED lifetime	L90 > 106 000 h

Optics and light distribution options
 3 asymmetrical 30° lenses:
 intensive (ASY30-N), medium (ASY30-M) and wide (ASY30-W)
 1 asymmetrical medium 50° lens (ASY50-M)
 2 semi-intensive floodlighting lenses:
 intensive beam and medium beam

Photometric distributions



POWER SUPPLY

Adjustable power	Up to 1074 W max. for KERIS 5, und 1628 W max. for KERIS 6
Protocols	DALI or DMX
Power supply voltage	230/400 V
Protection	10 kV, in differential and common mode
Leak tightness rating	IP 66
RAL	charcoal grey 7016
Dimensions (L x l x h)	500 mm x 150 mm x 120 mm
Weight	6,5 kg
Location	Attached to the projector's back on the lyre Set in the bottom of the pole Remote up to 200 m in an electrical cabinet
Lifetime	Nominal service life, at maximum load and 45 ° C ambient: 70,000h
Compliance	Electromagnetic compatibility EN 55015, EN 55032, EN 61547, EN 61000-(3-2;3-3; 4-2;4-3;4-4;4-5;4-6;4-11)



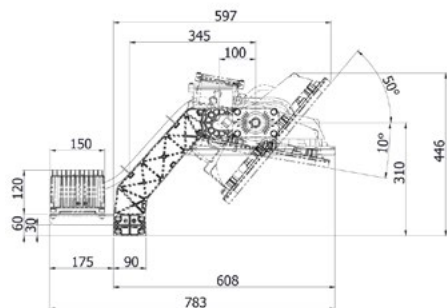
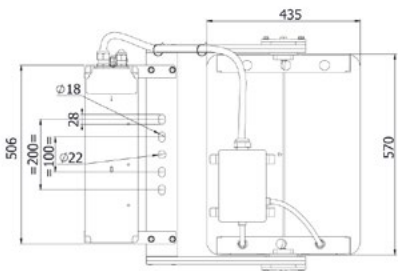
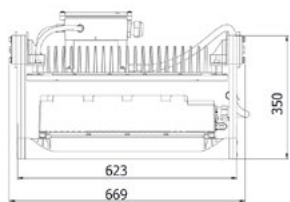
LIGHTING MANAGEMENT

Control
 ECLATEC box control system:
 - DALI protocol
 - Half-stadium management
 - 3 pre-selected power levels plus a 4th customisable level

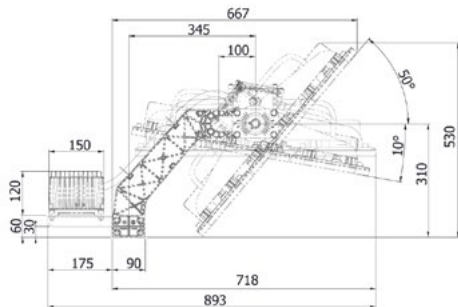
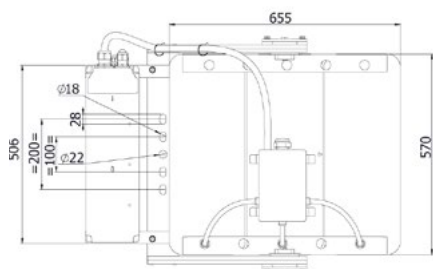
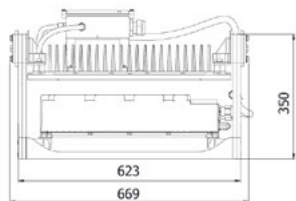
STANDARDS / MARKING / CERTIFICATIONS

Compliance	CE marking requirements: - Directive 2014/35/EU, Low voltage Directive - Directive 2014/130/EU Electromagnetic Compatibility - Directive 2011/65/EU Restriction of Hazardous substances (RoHS) - Directive 2009/125/EC Ecodesign requirements
NF EN 60598-1	Luminaires
NF EN 60598-2-5	Floodlights
FFF	Pitch and sports facility lighting regulations
REACH	Products conformity regulatory management of chemicals
WEEE	(Waste Electrical and Electronic Equipment) Manufacturer involvement

INSTALLATION



KERIS 5



KERIS 6

KERIS 5

Dimensions	With power supply	670 x 783 x 350 mm
	Without power supply	670 x 597 x 350 mm
Weight	With power supply	26 kg
	Without power supply	19.5 kg

SCx KERIS 5

Tilts	0°	10°	20°	30°	40°	50°	60°
With power supply	0,19 m ²	0,24 m ²	0,25 m ²	0,28 m ²	0,30 m ²	0,32 m ²	0,39 m ²
Without power supply	0,11m ²	0,16 m ²	0,19 m ²	0,23 m ²	0,27m ²	0,31 m ²	0,37 m ²

KERIS 6

Dimensions	With power supply	670 x 893 x 350 mm
	Without power supply	670 x 667 x 350 mm
Weight	With power supply	32,5 kg
	Without power supply	26 kg

SCx KERIS 6

Tilts	0°	10°	20°	30°	40°	50°	60°
With power supply	0,19 m ²	0,26 m ²	0,29 m ²	0,32 m ²	0,37 m ²	0,41 m ²	0,51 m ²
Without power supply	0,11m ²	0,19 m ²	0,25 m ²	0,31 m ²	0,37m ²	0,41 m ²	0,51 m ²

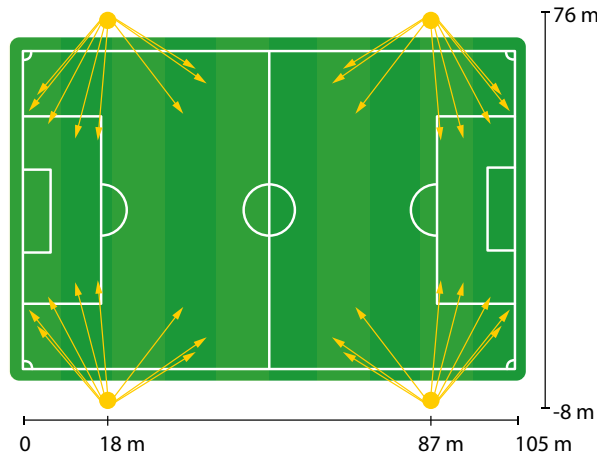


APPLICATION EXAMPLES

Football pitch E3: 105 x 68 m, 400 lux

Compliant with the French Football Federation pitch and sports facility lighting regulations

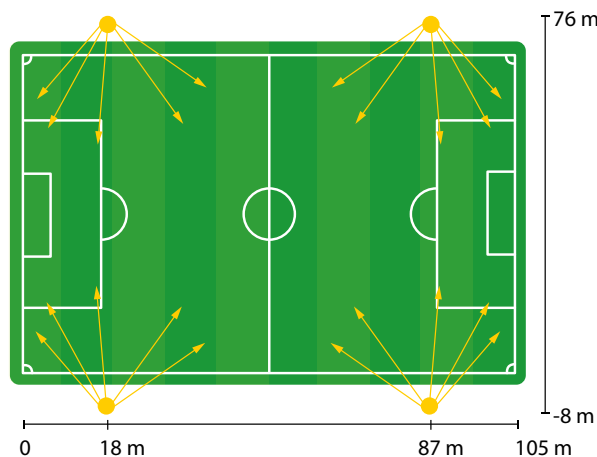
Number of floodlights	32 KERIS 6 floodlights
Colour temperature (K)	4000 K or 5700 K
Power per floodlight	1628 W
LED flow per floodlight	227 000 lm
Number of poles	4
Floodlights per pole	8
Average installation height	22 m
Pole distance from the goal line	18 m
Pole distance from the sideline	8 m
Average lighting	463 lux
Uniformity	Min lighting / Average lighting: 0.76 Min lighting / Maximum lighting: 0.57



Football pitch E4 : 105 x 68 m, 250 lux

Compliant with the French Football Federation pitch and sports facility lighting regulations

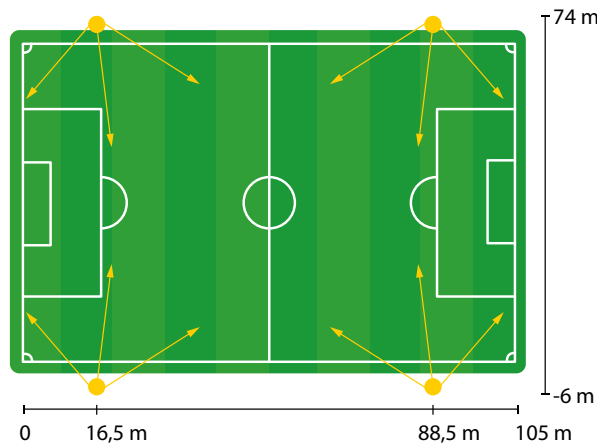
Number of floodlights	20 KERIS 6 floodlights
Colour temperature (K)	4000 K or 5700 K
Power per floodlight	1628 W
LED flow per floodlight	227 000 lm
Number of poles	4
Floodlights per pole	5
Average installation height	22 m
Pole distance from the goal line	18 m
Pole distance from the sideline	8 m
Average lighting	294 lux
Uniformity	Min lighting / Average lighting: 0.75 Min lighting / Maximum lighting: 0.55



Football pitch E5 : 105 x 68 m, 150 lux

Compliant with the French Football Federation pitch and sports facility lighting regulations

Number of floodlights	12 KERIS 6 floodlights
Colour temperature (K)	4000 K or 5700 K
Power per floodlight	1628 W
LED flow per floodlight	227 000 lm
Number of poles	4
Floodlights per pole	3
Average installation height	18 m
Pole distance from the goal line	16,5 m
Pole distance from the sideline	6 m
Average lighting	181 lux
Uniformity	Min lighting / Average lighting: 0.77 Min lighting / Maximum lighting: 0.59

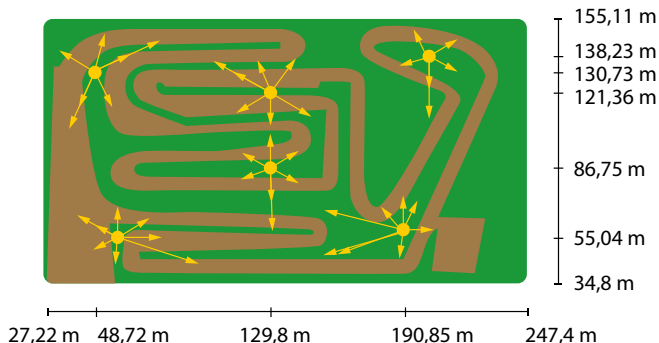




APPLICATION EXAMPLES

Motocross course

Number of floodlights	43 KERIS 6 floodlights
Colour temperature (K)	5700 K
Power per floodlight	1527 W
LED flow per floodlight	227 000 lm
Number of poles	6
Floodlights per pole	1 pole with 6 KERIS 6 3 poles with 7 KERIS 6 2 poles with 8 KERIS 6
Average installation height	18 m
Average lighting	270 lux
Uniformity	Min lighting / Average lighting: 0,55



Tennis court

Number of floodlights	4 KERIS 5 floodlights
Colour temperature (K)	5700 K
Power per floodlight	469 W
LED flow per floodlight	75088 lm
Number of poles	4
Floodlights per pole	1
Average installation height	9 m
Average lighting	355 lux
Uniformity	Min lighting / Average lighting: 0,85

