

SPORTS LIGHTING

solutions by EKTA

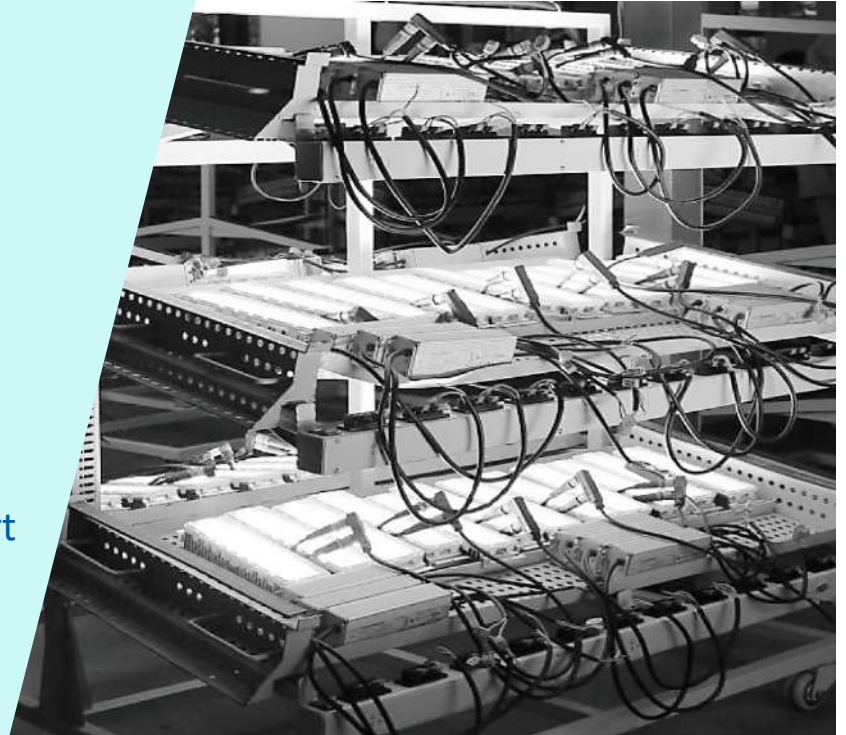
About EKTA

- **Year of foundation** : 1992
- **Kind of activity:** development, production and installation of LED screens, LED luminaries and lighting control systems
- **Main divisions** : R&D, metalworking, SMD-mounting lines, sealing components line, lighting laboratory, climatic laboratory
- **Quality management** : ISO 9001:2015



Efficiency of EKTA solutions

- Detailed calculated thermal modes, large radiator surface area
- Details lighting simulation and luminaires selection for each object
- Using Industry Leaders' Components (Philips, MeanWell, Osram, Nichia)
- Technological aging of each luminaire
- Taking into account and minimization of a discomfort factor and glare of a lighting installation
- Customer support from a project elaboration stage up to post-warranty service



SPORTS LIGHTING



- Compliance with 4K video broadcast requirements
- Power 800, 1000, 1200 W
- Lightweight, modular design
- Easy and reliable position adjustment
- Lighting control by protocol 0...10B, DALI, DMX
- Efficiency – to 140 lm/W

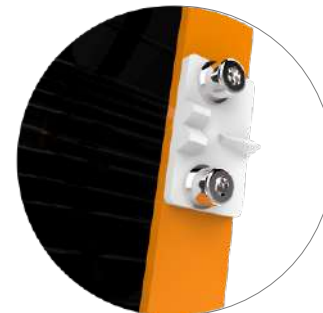
DESIGN



Position adjustment without using a special tool



Position adjustment range - $\pm 20\%$



Setting unit for laser pointer alignment

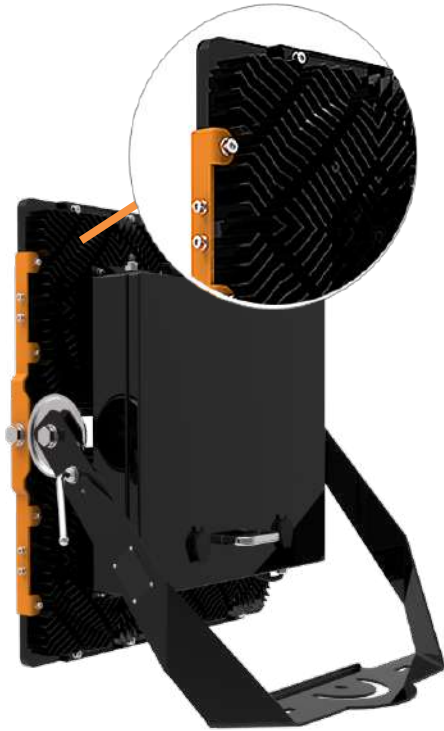
Resistance to mechanical damage – IK-08

SHORT SPECIFICATIONS



- Efficiency from 105 lm/W (CRI=90) to 140 lm/W (CRI=72)
- CRI – from 72 to 90 (according to project requirements)
- CRI Ra9 – to 93 (according to project requirements)
- Surge protecting – 15 kV
- Cover protection level – IP66
- Light distribution curves – 20, 30, 60, 90, 120 deg
- Life time – up to 100 000 h

KEY FEATURES



- Easy adjustment of the position of the luminaires reduces labor intensity during installation and adjustment
- LEDs Nicha provide stable lighting and good color rendering
- Graphene-based thermal paste with a high thermal conductivity ensures long service life and stability of characteristic
- A wide range of light beam angle provide the ability to illuminate objects with various configurations of lighting masts
- High efficiency due to the use of materials with high thermal conductivity and qualitative LEDs