



Polam-Rem offers you a professional computer program RemLux 7.0. It will help you to design the lighting both inside the building as well as on the outer spaces.

Below please find the two different sports complexes and their lighting projects.

Example no 1
Basketball field, dimensions: 28 x 15 m
Installation height: h=9 m

Luminaire type used:
PB 98-MH400/OS /symmetric reflector/ 45 pcs
PB 98-MH400/OA /asymmetric reflector/ 10 pcs
Metal halide lamps: 400W / 42 000 lm/
The luminaire wattage: 430 Watt
The power installed: 23,6 kW

Calculations:
The average illuminance: 1540 lux
The min. / average illuminance: 0,70

Planning factor 1,2

The above parameters meet the requirements of illuminance and its regularity, due to FIBA TV-transmission instructions.

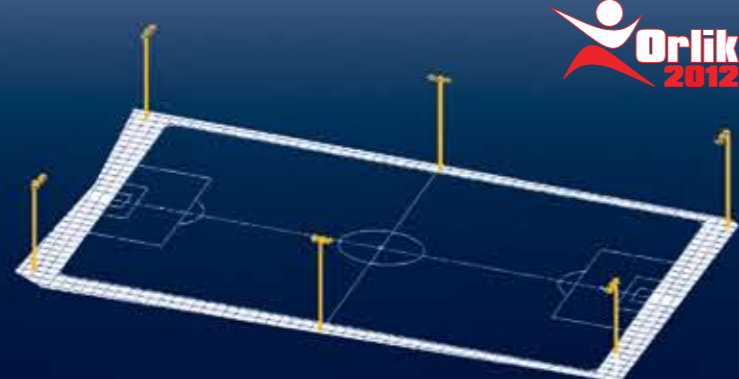
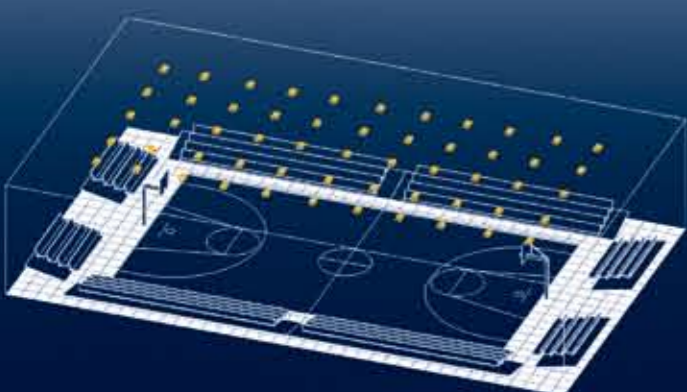
Example no 2
Football field, dimensions: 30 x 60 m
Height of installation pillar: h=9 m
Installation pillars quantity: 6

Luminaire type used:
PT 40-MH 250/OA /asymmetric reflector/ 18 pcs
Metal halide lamps: 250W / 25 000 lm/
The luminaire wattage: 275 Watt
The power installed: 4,9 kW

Calculations:
The average illuminance: 99 lux
The min. / average illuminance: 0,71

Planning factor 1,2

The above example can be used in Orlik 2012 program to light the school playgrounds.



LIGHT FOR OFFICES



LIGHT FOR MARINE



LIGHT FOR INDUSTRY



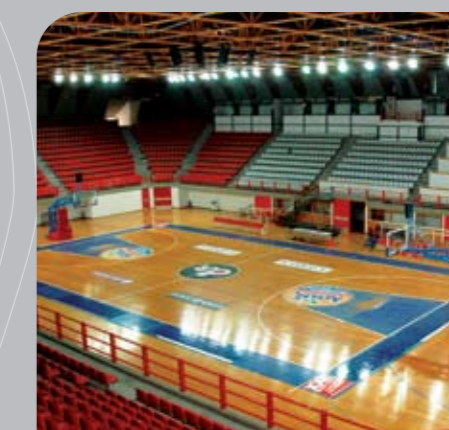
LIGHT FOR STREET



LIGHT FOR HAZARDOUS AREAS



LIGHT FOR SPORT



light for
SPORT



light for SPORT

All the sports disciplines need the proper lighting. It is essential the luminaires guarantee safety and excellent visibility to the sportsmen during the championship, children during the school sports events at and audience. Polam-Rem offers a wide range of luminaires to light all kinds of sports complexes. Fluorescent luminaires (TLP 48, TLP 52) are suitable to illuminate gymnasium and other not too high sports buildings. High pressure luminaires (Pb 98) are great for big sports complexes. With floodlights (PT 40, SPW 20) we can illuminate sports halls and stadiums.

TLP 48

Fluorescent luminaire for T8 lamps. Max. wattage 3 x 58W. The housing is made of zinc coated steel sheet, covered with polyester powder paint. The diffuser is made of either hardening 5 mm glass or UV resistant polycarbonate. The luminaire is for ceiling fixing with two brackets. It may be equipped with protection grill to be attached to the housing.

Application: sports halls, gyms, swimming-pools.

TLP 52

Fluorescent luminaire for T5 and T8 lamps. Max. wattage 3 x 80W. The housing and the diffuser are made of UV resistant polycarbonate. The diffuser clips are made of stainless steel. The mounting plate is made of steel sheet coated with polyester powder paint.

It may be equipped with the protection grill to be attached to the ceiling.

Application: sports halls, gyms, skating rinks.

PB 98

Luminaire for high pressure sodium, metal halide lamps. Max. wattage 400 W. The housing and the brackets are made of zinc coated steel sheet, covered with polyester powder paint. The diffuser is made of hardening 5 mm glass. It is equipped with symmetric or asymmetric reflector. The luminaire's lamps position is adjustable. The luminaire is for ceiling fixing with two brackets.

It may be equipped with protection grill to be attached either to the housing or to the ceiling.

Application: sports halls, gyms, skating rinks.

PT 40

Floodlight for high pressure sodium or metal halide lamps. Max. wattage 400 W. The housing is made of die-cast aluminum. The luminaire is closed with hardening glass. It is equipped with symmetric or asymmetric reflector made of aluminum sheet.

It is to be installed with the adjustable bracket.

Additional equipment: protection grill, handle for single or double pillar mounting.

Application: stadiums, playgrounds, tennis courts, arenas, ski slopes.

SPW 20

Floodlight for high pressure sodium or metal halide lamps. Max. wattage 2000 W. The housing is made of die-cast aluminum. The luminaire is closed with hardening 6mm glass. It is equipped with reflector made of aluminum sheet. It is to be installed with the adjustable bracket. The separate ballast box is required.

Application: stadiums, playgrounds, ski slopes.

