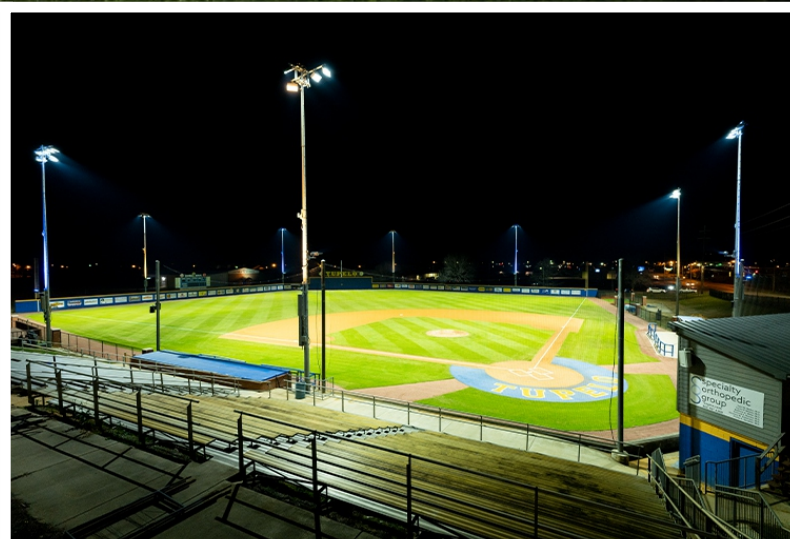
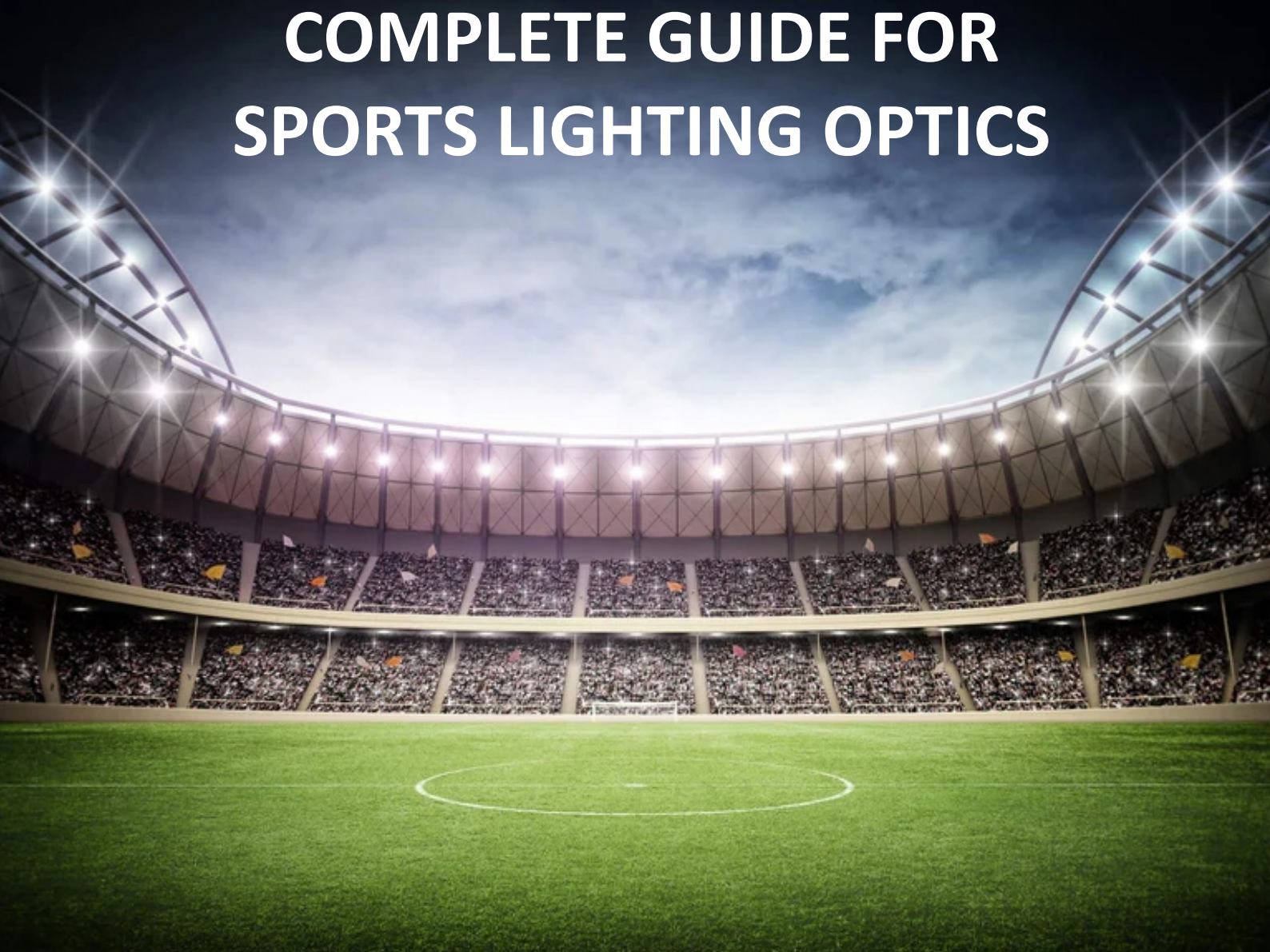


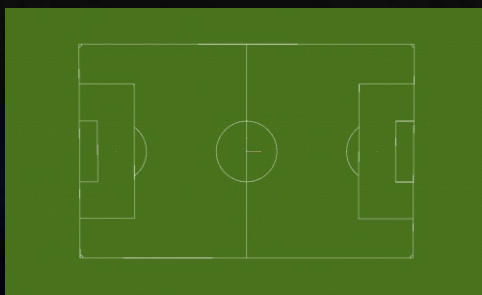
COMPLETE GUIDE FOR SPORTS LIGHTING OPTICS



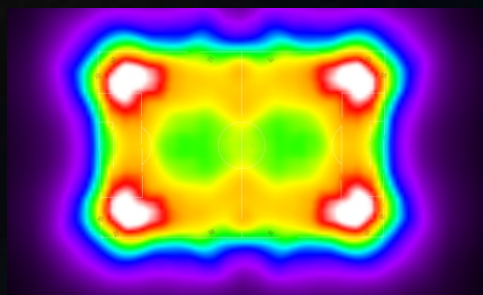
WHY OPTIKS?

The critical aspect while designing the lights for a sport venue is that the illumination is required only in the particular area and the light should not spread over off the field such as the areas around the stadium. The luminaire should have the accurate beam angle, higher candela values and good uniformity to restrict the light as needed. Also the luminaries should perform well in extreme weather conditions. Our excellent quality optics with ingress protection are there to resolve these difficulties. Share your requirements and let us assist you.

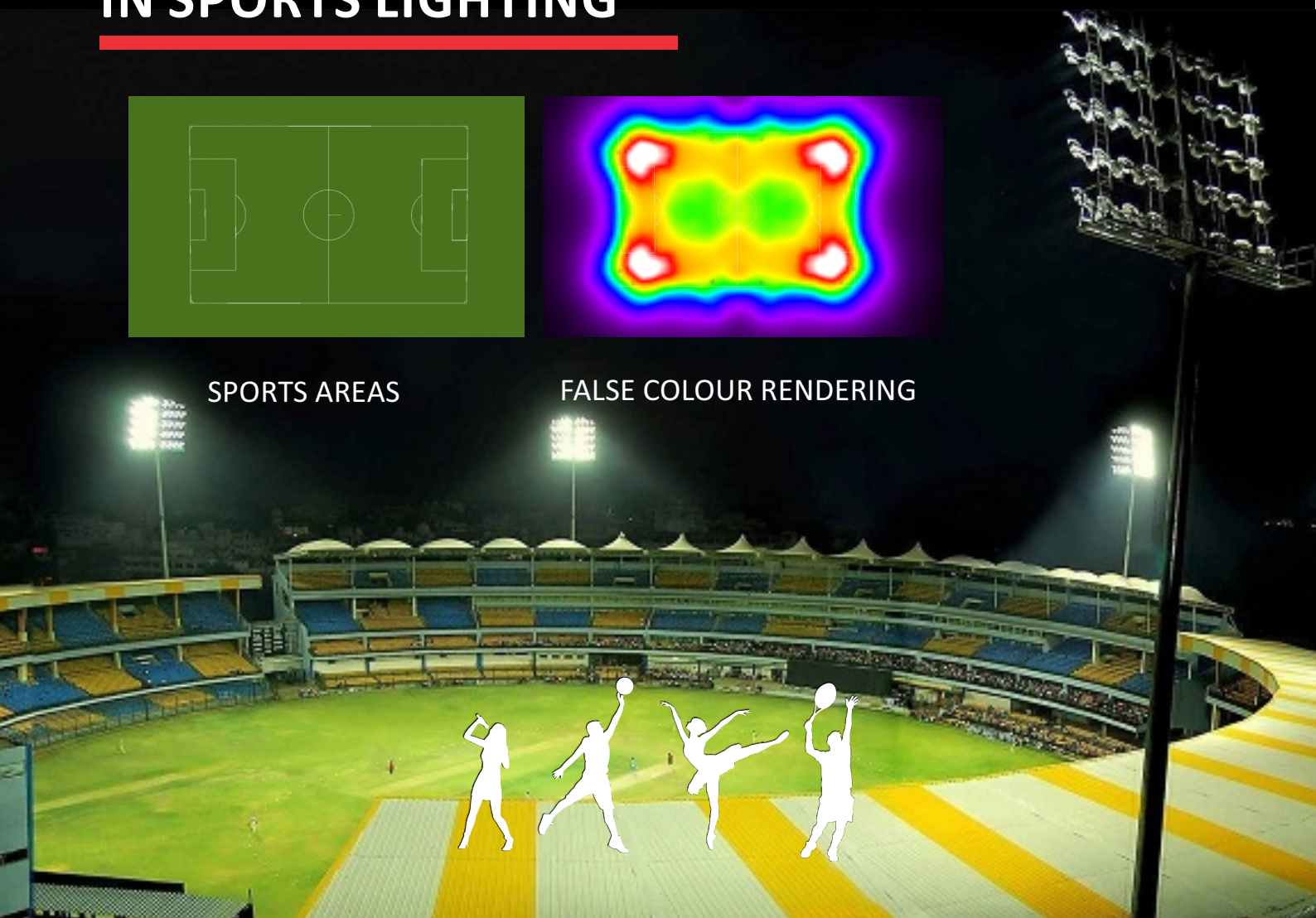
THINGS TO CONSIDER IN SPORTS LIGHTING



SPORTS AREAS



FALSE COLOUR RENDERING

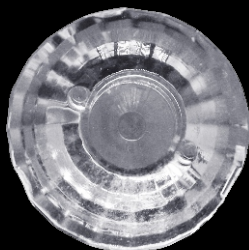
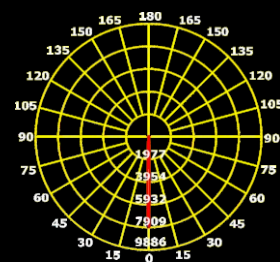


BEAMS AND LENS FOR STADIUM LIGHTING



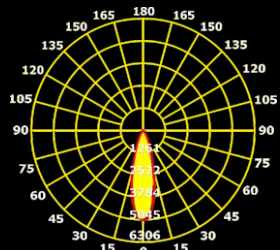
1X1 (3 Degree)

Dimensions : 35X22.3 mm
LED packages : 3535



1X1 (25 Degree)

Dimensions : 20x10.6 mm
LED packages : 5050



4X1 (45 Degree)

Dimensions : 49.7X49.7X11.70 mm
LED packages : 5050



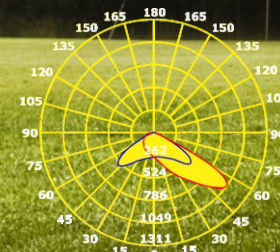
4X1-FT (58 Degree)

Dimensions : 50X50X6.2 mm
LED packages : 5050



4X1-WFT (55 Degree)

Dimensions : 50X50X6.1 mm
LED packages : 5050



12X1 (20 Degree)

Dimensions : 172.9X71.3X11.9 mm
LED packages : 5050



SPORT-2X2 APPLICATION EXAMPLES

FOOTBALL PITCH

6 poles

Optics:

SPORT-1X1-25°
SPORT2X2-WFT

Mounting height:

30 m

Pitch size:

110 x 100 m

Luminous flux : (Luminaire)

73643 lm

Luminous flux (Lamps):

80000 lm

Luminaire wattage :

500.0 W

Results from calculation grid (TA)

E Average (requirement ≥ 75 lx): 328 lx

E Min:

212 lx

E Max:

429 lx

Uo (requirement ≥ 0.4):

0.65

E Min / E Max:

0.50

