



Facilities Management

Energy Services
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OSU EXTERIOR LIGHTING STANDARDS

September 12, 2018

OSU has adopted the following illumination standards for outdoor spaces from the IESNA Recommended Practices, Design Guides, Guidelines, the 10th Edition Lighting Handbook and the 2013 OSU Exterior Lighting Study. All parking lots and pedestrian pathways on the campus are considered to be "Secure", which requires maintaining a more even uniformity ratio for the areas.

Parking Lots (All)

3 foot candle minimum maintained horizontal and vertical average at 5'-0" above grade
Minimum maintained foot candle reading of no less than .7
Maximum maintained foot candle reading of 10.5
Average to minimum ratio no greater than 4:1
Maximum to minimum ratio no greater than 15:1

Roadways/Street (All on/around Campus)

1 foot candle minimum maintained horizontal average
Minimum foot candle reading of no less than .25
Average to minimum ratio no greater than 4:1

Sidewalks and Pedestrian Pathways (All on/around Campus)

1 foot candle horizontal average
Minimum foot candle reading of no less than .25
Average to minimum ratio no greater than 4:1

Illumination plots shall be calculated on a 5'x5' grid spacing. The illumination plot shall show fixture placement and statistics including average, minimum, maximum, average-to-minimum ratio and maximum-to-minimum ratio for each calculation zone.

Coordinate all intersection and crosswalk lighting designs with OSU Energy Services – Utilities Engineering.

References

IESNA RP-20-14 Revised, Part II, Section 7
IESNA RP-8-14
IESNA G-1-16, Section 8.2.6; Section 8.2.16