

Illuminance Levels

Exterior Security Lighting

This job aid provides the recommended horizontal illuminance levels for specific outdoor areas. Illuminance is the amount of light falling on a surface and is measured in foot-candles (unit of measurement used by older light meters) or lux (unit of measurement used by newer light meters).

Access Control Point (ACP)

Area	Foot-Candles	Lux
Approach Zone Nighttime	1	10
Response Zone Task Surface	10-20	100-200
Response Zone Roadway	3	30
Parking and Roadways	3	32
Access Zone	1	10
Search Areas (vehicle and ID checking)	10	100
Under Vehicle Inspection	10	100
Vital Locations or Structures	5	53
Building Surrounds	1	10
Pedestrian Entry	2	20

Buildings Floodlighted

Bright Surroundings	Foot-Candles	Lux
Light Surfaces	15	161
Medium-light Surfaces	20	215
Medium-dark Surfaces	30	322
Dark Surfaces	10	538

Dark Surroundings	Foot-Candles	Lux
Light Surfaces	5	53
Medium-light Surfaces	10	107
Medium-dark Surfaces	15	161
Dark Surfaces	20	215
Gates and Doors	2	21
Office Space	50	538

Self-parking (other than ACP)	Foot-Candles	Lux
Self-parking	1	10
Attendant Parking	2	21
Covered Parking	5	53

Rail Yards, Marshaling, and Loading Areas	Foot-Candles	Lux
Loading and Unloading Platforms	20	215
Freight Car Interiors	10	107
Lumber Yards	1	10

Perimeter/Restricted Area/Magazines

Controlled	Foot Candles	Lux
Single Fence Line	0.2-4	2-40
Restricted Area	0.2-5	2-50
Magazines	0.2-5	2-50

Ship Yards	Foot Candles	Lux
General Work Areas	3-5	30-50
Ways	10	107
Fabrication Areas	30	322

Storage Yards	Foot Candles	Lux
Active	20	215
Inactive	1	10