



AccessFixtures

High-Performance Lighting Solutions

Beam Angles for LED Flood Lights, Sports Lights, and High Bays

LED lamps cast a cone of light. The beam angle is the measurement of that cone. Varying beam angles fulfill a range of commercial and residential lighting requirements.

In addition to beam angle, other important factors are the distance from the luminaire to the ground, the spacing between fixtures, and lamp wattage.

Spot light LEDs are typically installed 0-20 feet—or more—from the target area. Common applications include recessed lighting, retail displays, and theater. Spot lights are very effective when used in a series of overlapping beams.

Most typically, flood light LEDs are installed 20-60 feet from the floor. Applications include lighting for factories, warehouses, and other industrial building, theaters, gymnasiums, and indoor and outdoor parking.

Typical abbreviations for beam angles vary from manufacturer to manufacturer.

Spot: 4-19 degrees

Flood: 20-35 degrees

Wide flood: 36-49 degrees

Very wide flood: over 60 degrees

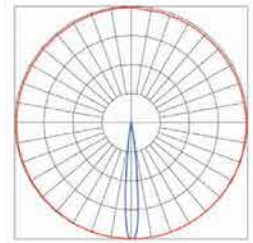
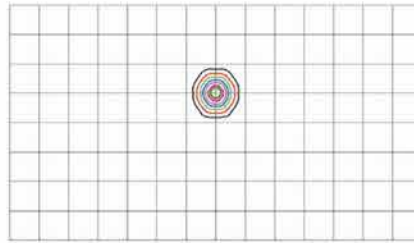
To the right are ISO plots and polar curve photometrics for the most commonly requested optics.

For additional options, or for a custom photometric report for your project, please call an **Access Fixtures lighting specialist at:**

1-800-468-9925

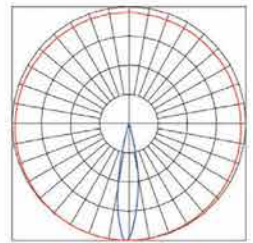
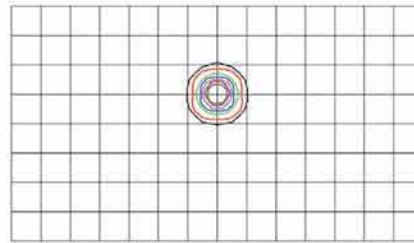
10° beam angle

Typical use:
Spot Lights
Stadium Lights



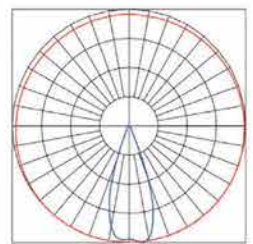
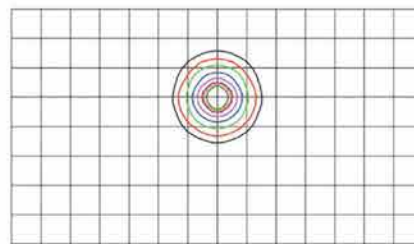
25° beam angle

Typical use:
Spot Lights
Stadium Lights



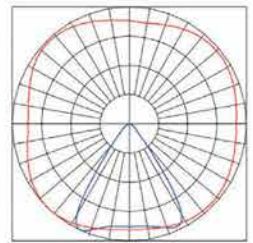
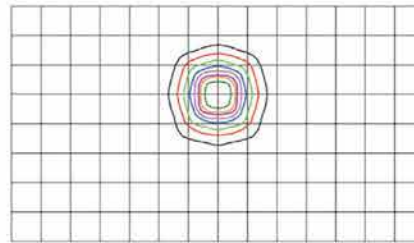
40° beam angle

Typical use:
Residential and
Architectural
Lighting



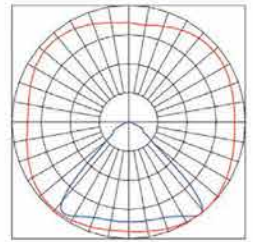
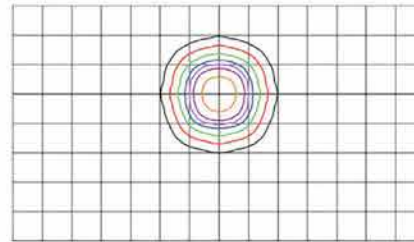
60° beam angle

Typical use:
Commercial and
Industrial Lighting



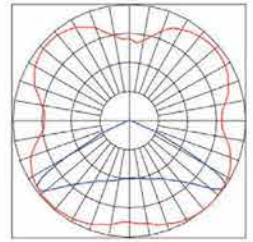
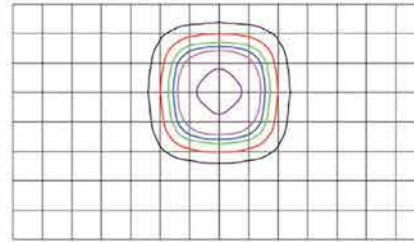
90° beam angle

Typical use:
Commercial and
Industrial Lighting



120° beam angle

Typical use:
Low Ceiling
Gas Stations and
Public Spaces



150° beam angle

Typical use:
Industrial Lighting
Parking Garages

