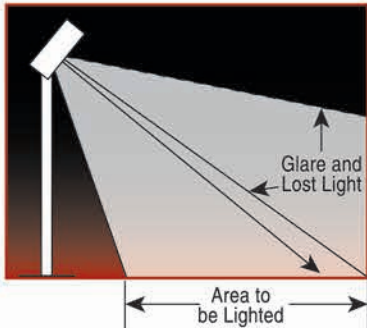
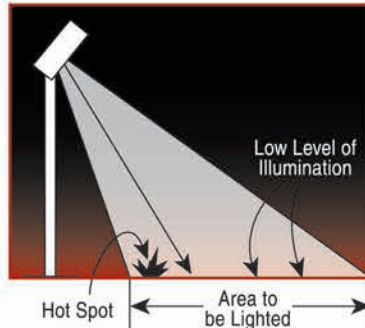


Optical Design

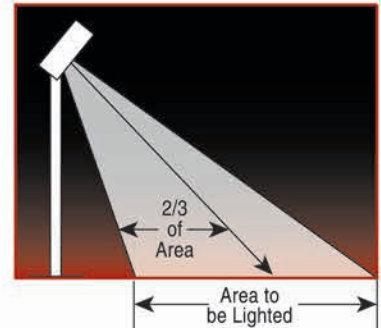
Atlas flood lights have optical designs that provide their best performance when aimed within a certain range.



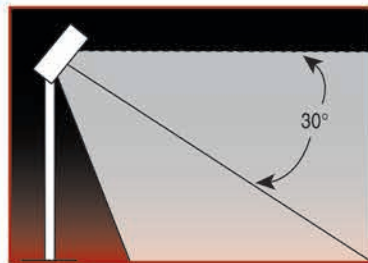
When luminaire is aimed at the far side, light loss is substantial.



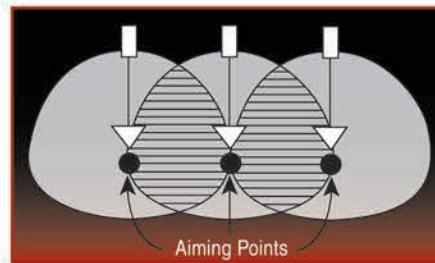
When luminaire is aimed at the near side, the far side will not receive adequate illumination.



A good "rule of thumb" is to aim the luminaire two thirds the distance across the area to be illuminated.



To provide visual comfort on all floods aim luminaire at least 30° below the horizontal.



Acceptable uniformity is achieved when flood lights are aimed in such a way that the isofootcandle curves of adjacent luminaires overlap.

Flag Lighting

NOTES:

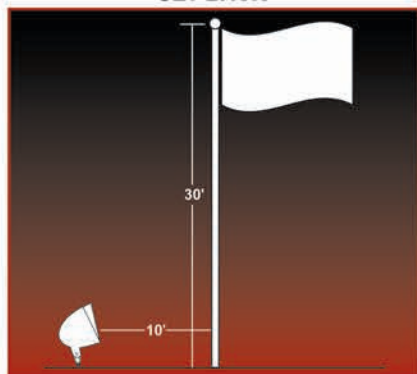
- Flags should be illuminated approximately 5 times its surrounding ambient level.
- Reduce glare and conceal the light source by using a fixture equipped with a glare shield.

WATTAGE

POLE HEIGHT	RECOMMENDED WATTAGE
20'	150 watt PS
25'	150 watt PS
30'	150 watt PS
35'	150 watt PS
40'	150 watt PS
50'	250 watt PS
60'	400 watt PS

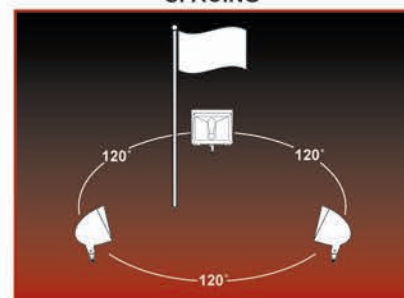
Narrow distribution (such as Type III) or a spot flood are recommended.

SET BACK



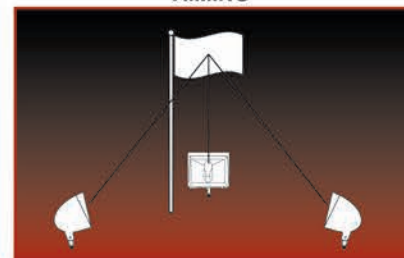
Fixtures should be installed with a set back of 1/3 to 1/2 of the height of the pole.

SPACING



Three fixtures are recommended to provide adequate coverage on all sides of the flag.

AIMING



Fixtures should be aimed at the center of the flag.