

FLAG LIGHTING GUIDE



U.S. flags must be illuminated when flown at night. Visibility is dependent on the relative positions of the luminaire, flag, and viewer, as well as on ambient light levels and contrast ratios with respect to other objects in the field of view. These rules of thumb should result in a satisfactory installation, regardless of the many variables involved.

1. Always use multiple luminaires to ensure flag is adequately illuminated, regardless of wind direction. Two per flag is good and three per flag is better.
2. Three luminaires in a triangular pattern produce the best effect.
3. Inground fixtures should be setback from the pole one-third to one-half the length of the flag. Floodlights may be setback from the pole one-half to one full pole length.

Light levels shown below are average maintained footcandles from a single luminaire.



Pole Height	Flag Size	Fixture Setback	Single Fixture Levels*	Catalog Number	Watts
LED Light Source					
Inground					
20'	3' x 5'	3'	7	XIG-LED-19-350-CW-UE-FL40	22
20'	3' x 5'	3'	16	XIG-LED-19-350-CW-UE-NFL25	23
30'	5' x 8'	4'	7	XIG-LED-19-350-CW-UE-NFL25	23
30'	5' x 8'	4'	14	XIG-LED-19-350-CW-UE-SP10	22
40'	6' x 10'	5'	8	XIG-LED-19-350-CW-UE-SP10	22
50'	8' x 12'	6'	6	XIG-LED-19-350-CW-UE-SP10	22
Flood**					
20'	3' x 5'	3'	17	XFLM-MF-LED-28-HO-CW-UE	36
30'	5' x 8'	4'	7	XFLM-MF-LED-28-HO-CW-UE	36
30'	5' x 8'	4'	12	XFLM-NF-LED-28-HO-CW-UE	36
30'	5' x 8'	4'	23	XFLM-SP-LED-28-HO-CW-UE	36
40'	6' x 10'	5'	13	XFLM-SP-LED-28-HO-CW-UE	36
50'	8' x 12'	6'	8	XFLM-SP-LED-28-HO-CW-UE	36
30'	5' x 8'	4'	18	XFLM-NF-LED-49-HO-CW-UE	64
40'	6' x 10'	5'	19	XFLM-SP-LED-49-HO-CW-UE	64
50'	8' x 12'	6'	13	XFLM-SP-LED-49-HO-CW-UE	64
HID Light Source					
Inground					
20'	3' x 5'	3'	4	RDS-100MH-120-SPV	129
30'	5' x 8'	4'	3	RDS-100MH-120-SPV	129
40'	6' x 10'	5'	5	RDB-150MH-120-SPV	185
50'	8' x 12'	6'	4	RDB-150MH-120-SPV	185
Bullets					
20'	3' x 5'	10'	6	BAL-SP/C BM-150MH-SCB	185
30'	5' x 8'	15'	3	BAL-SP/C BM-150MH-SCB	185
40'	6' x 10'	20'	2	BAL-SP/C BM-150MH-SCB	185
50'	8' x 12'	25'	5	BAL-SP/C BM-150MH-SCB	185
Floods					
20'	3' x 5'	10'	4	DRS-100MH-MT-SP-BRZ	129
30'	5' x 8'	15'	3	DRS-150CMH-MT-SP-BRZ	185
40'	6' x 10'	20'	4	DRS-250MH-MT-SP-BRZ	291
50'	8' x 12'	25'	5	DRS-400MH-MT-SP-BRZ	452

*Average Maintained Footcandles with meter tilted 45-degrees. Different levels will result with other meter tilt factors.
 **LED Floodlights are aimed straight up.



Project Name _____ Fixture Type _____
 Catalog # _____