

NEMA Types

The light distribution of a floodlight is referred to as "beam spread" and is classified by its "NEMA type". The NEMA beam spread indicates the two edges where the light intensity photometric spreads horizontal and vertical to 10% of the maximum beam intensity.

For example:

**Asymmetrical beam
spread**

138° (H) x 119° (V)
Horizontal Vertical
= NEMA 7 x 6

NEMA Beam Spread Classifications		
Beam Spread Degrees	NEMA Type	Beam Description
10° up to 18°	1	very narrow
18° up to 29°	2	narrow
29° up to 46°	3	medium narrow
46° up to 70°	4	medium
70° up to 100°	5	medium wide
100° up to 130°	6	wide
130° and up	7	very wide