

### FLOODLIGHT BEAM SPREADS

Catalog No.	NEMA Type (Horizontal)	NEMA Type (Vertical)	Beam Spread (Horizontal)	Beam Spread (Vertical)
CPH1525	6	5	123.8	94.3
CPH1525L	6	5	123.8	94.3
CPH515	5	5	92.7	96.
CPH515L	5	5	92.7	96.
MLQ250DXL	5	5	85.5	91.4
MLQ250DXL and MLQ5	5	5	84.8	76.9
PAR250LX	6	6	109.3	104.6
PAR250LX	5	5	87.	99.
PAR250MA	5	5	88.3	95.8
PAR250MA	6	6	108.3	102.2
PAR400LX	6	6	129.1	108.6
PAR400LX	5	5	100.	101.9
PAR400MA	5	5	99.	97.9
PAR400MA	6	6	123.1	105.3
PARA250LX	6	6	109.3	104.6
PARA250LX	5	5	87.	99.
PARA250MA	5	5	88.3	95.8
PARA250MA	6	6	108.3	102.2

Catalog No.	NEMA Type (Horizontal)	NEMA Type (Vertical)	Beam Spread (Horizontal)	Beam Spread (Vertical)
PARA400LX	6	6	129.1	108.6
PARA400LX	5	5	100.	101.9
PARA400MA	5	5	99.	97.9
PARA400MA	6	6	123.1	105.3
Q515	6	6	126.3	123.6
Q515L	6	6	126.3	123.6
SLA100MAL	7	7	132.7	133.
SLA150NLXL	7	7	148.2	142.4
SLA70NLXL	7	7	149.2	136.8
SLA175MAL	6	6	128.0	113.0
SLM250MA	6	5	120.7	95.8
SLM400LX	6	6	116.5	106.6
SLM400MAL	6	6	125.7	103.8

### BEAM PROJECTION CHART

This chart can be used to determine the number of feet a floodlight beam is projected when the luminaire is aimed perpendicular to the surface.

Beam Spread in Degrees Horz. (H) or Vert. (V)	PROJECTED DISTANCE (SETBACK) (FEET)																			
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
5°	0.4	0.9	1.3	1.7	2.2	2.6	3.1	3.5	3.9	4.4	4.8	5.2	5.7	6.1	6.6	7.0	7.4	7.9	8.3	8.7
10°	0.9	1.7	2.6	3.5	4.4	5.2	6.1	7.0	7.8	8.7	9.6	10	11	12	13	14	15	15.5	16.	17
20°	1.8	3.5	5.3	7.0	8.8	10	12	14	16	18	19	21	23	25	26	28	30	32	33	35
30°	2.7	5.4	8.1	11	13	16	19	21	24	27	30	32	35	37	40	43	45	48	51	54
40°	3.6	7.2	11	14	18	22	25	29	33	36	40	44	47	51	55	58	62	65	69	72
50°	4.6	9.3	14	19	23	28	33	37	42	46	51	56	60	65	70	74	79	84	88	93
60°	5.7	12	17	23	29	34	40	46	52	57	63	69	75	80	86	92	97	103	109	115
70°	7.0	14	21	28	35	42	49	56	63	70	77	84	91	98	105	112	119	126	133	140
80°	8.4	17	25	34	42	50	59	67	75	84	92	101	109	118	126	134	143	151	160	168
90°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
100°	12	24	36	48	60	72	84	95	107	119	131	143	155	167	179	191	203	215	227	239
110°	14	29	43	57	71	86	100	114	129	143	157	172	186	200	214	229	243	257	272	286
120°	17	35	52	69	87	104	121	139	156	173	191	208	226	243	260	278	295	312	330	347
130°	21	43	64	86	107	129	150	172	193	215	236	258	280	301	322	344	366	387	409	430
140°	27	55	82	110	137	165	193	220	248	275	303	330	358	385	413	440	468	495	523	550