



TRAC-MASTER®

MH₂® Metal Halide Trac

CONIX® PAR LAMPHOLDERS

TM107, TM108 and TM109

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

PRODUCT DESCRIPTION

The sleek sculptured look and style of the Conix fixture is unparalleled in the industry. Its elegance is carried through the entire design for a fresh, contemporary appeal. Conix fixtures relamp from the front and have snap-in accessory holders. All can accommodate up to two accessories. Lampholders have integral horizontal rotation and vertical aiming locks. Modular lampholder/ballast construction offers complete configuration flexibility.

Ceramic metal halide lamps produce light output equivalent to halogen PAR lamps of 3-4 times the wattage. They produce a crisp, white light in either 3000K or 4000K color temperature with a color rendering index of up to 90+. Combined with new electronic ballast technology, these lamps last up to 13,000 hours with no perceived shift in color temperature. Ceramic metal halide trac fixtures are ideal for accent and perimeter lighting from higher ceilings and/or to create dramatic accents in settings, such as display windows, where contrast with high ambient light levels are required.



PRODUCT SPECIFICATIONS

Construction Molded polycarbonate yoke • Die cast aluminum back housing • Formed steel front housing.

Socket Medium base, glazed porcelain • 4kV rated with nickel plated copper screw shell.

Aiming Greater than 360° horizontal rotation eliminates aiming dead spots • 90° vertical aiming capability • Vertical aiming and horizontal rotation locking screws secure lampholder position during relamping cycles.

Modular Fixture Adapter Simple, logical 3-point insertion makes connection easy • Alignment keys to guarantee proper electrical and mechanical orientation • Molded-in horizontal and vertical locking mechanisms to insure positive attachment • 4-sided 0.177 dia. nickel-plated phosphor bronze banana plugs provide a reliable connection to ballast.

Ballast TM5 20M, 39M, 70M or 100M High efficiency electronic with slim-line profile • Integral on/off switch • Modular connection allows attachment to a variety of MH₂® Series HID lampholders and pendants • Select appropriate ballast based on lamp wattage • Must be ordered separately • Refer to specification sheet [D1.11.0](#) for complete specifications.

Monopoint TMM54S 20 20M, 39M, 70M, 100M or 150M Recessed or surface mount versions • High efficiency electronic • Modular connection allows attachment to a variety of MH₂® Series HID lampholders and pendants • Select appropriate monopoint based on lamp wattage • Must be ordered separately • Refer to Specification sheet [D1.11.50](#) for complete specifications.

Labels UL listed, CSA certified.

Warranty 5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Specifications subject to change without notice.

ORDERING INFORMATION

PAR 20 Metal Halide

Lamp 20W or 39W PAR20 medium base ceramic metal halide lamp.
Select appropriate ballast or monopoint as described above based on lamp wattage.

Catalog Number	Lamp
TM107 WH	20W or 39W PAR20 Metal Halide
TM107 BL	20W or 39W PAR20 Metal Halide
TM107 SL	20W or 39W PAR20 Metal Halide

Accessories

HCLBL 275	Hexcell Louver - Black	PRISM 275	Prismatic Spread Glass Lens
CGF 275	Color Glass Filter	SOLITE 275	Uniformity Lens (Solite)
DCCF 275	Dichroic Color Correction Filter	TMW Series	Extension Wands
LSPREAD 275	Linear Spread Glass Lens		

See specification sheet [D1.2.0](#) and [D1.2.2](#) for details.



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ORDERING INFORMATION

PAR 30L Metal Halide

Lamp 20W or 39W or 70W PAR30L medium base ceramic metal halide lamp.
Select appropriate ballast or monopoint as described above based on lamp wattage.

Catalog Number	Lamp
TM108 WH	20W or 39W or 70W PAR30L Metal Halide
TM108 BL	20W or 39W or 70W PAR30L Metal Halide
TM108 SL	20W or 39W or 70W PAR30L Metal Halide

Accessories

HCLBL 375	Hexcell Louver - Black	DCCF 375	Dichroic Color Correction Filter	PRISM 375	Prismatic Spread Glass Lens
CCLBL 375	Cube Cell Louver - Black	DGF 375	Dichroic Glass Filter	SOLITE 375	Uniformity Lens (Solite)
SNOOTBL 375	Snoot - Black	DIFF 375	Diffusion Glass Lens	TMW Series	Extension Wands
CGF 375	Color Glass Filter	LSPREAD 375	Linear Spread Glass Lens		

See specification sheet [D1.2.0](#) and [D1.2.2](#) for details.

PAR 38 Metal Halide

Lamp 70W or 100W or 150W PAR38 medium base ceramic metal halide lamp.
Select appropriate ballast or monopoint as described above based on lamp wattage.

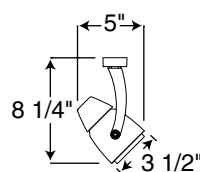
Catalog Number	Lamp
TM109 WH	70W or 100W or 150W PAR38 Metal Halide
TM109 BL	70W or 100W or 150W PAR38 Metal Halide
TM109 SL	70W or 100W or 150W PAR38 Metal Halide

Accessories

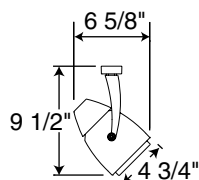
HCLBL 469	Hexcell Louver - Black	DCCF 469	Dichroic Color Correction Filter	PRISM 469	Prismatic Spread Glass Lens
CCLBL 469	Cube Cell Louver - Black	DGF 469	Dichroic Glass Filter	SOLITE 469	Uniformity Lens (Solite)
SNOOTBL 469	Snoot - Black	DIFF 469	Diffusion Glass Lens	TMW Series	Extension Wands
CGF 469	Color Glass Filter	LSPREAD 469	Linear Spread Glass Lens		

See specification sheet [D1.2.0](#) and [D1.2.2](#) for details.

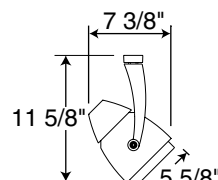
DIMENSIONS



TM107



TM108



TM109



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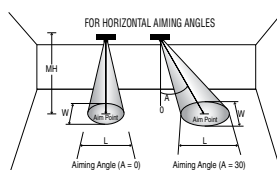
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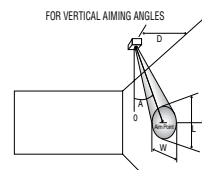
PHOTOMETRICS

CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°, 1.732 for 60°).



Horizontal Aiming Angles



Vertical Aiming Angles



Fixture	Beam Type	Beam Spread	Rated Life	CBCP	0°				30°			30°					45°				60°				
					MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W	D	FC	X	L	W
20W PAR20 Ceramic Metal Halide	SP		9000	18000	10	180	1.4	1.4	117	1.9	1.6	4	141	6.9	2.3	1.1	398	4.0	1.1	0.8	6	235	3.5	0.7	0.6
					12	125	1.7	1.7	81	2.2	1.9	6	63	10.4	3.4	1.7	177	6.0	1.7	1.2	9	144	5.2	1.1	1.0
					14	92	2.0	2.0	60	2.6	2.3	8	35	13.9	4.5	2.2	99	8.0	2.2	1.6	12	81	6.9	1.5	1.3
					16	70	2.2	2.2	46	3.0	2.6	10	23	17.3	5.7	2.8	64	10.0	2.8	2.0	12	81	6.9	1.5	1.3
					18	56	2.5	2.5	36	3.4	2.9	12	16	20.8	6.8	3.4	44	12.0	3.4	2.4	15	52	8.7	1.9	1.6
	FL		9000	2800	4	175	2.1	2.1	114	2.9	2.5	2	88	3.5	5.5	2.1	247	2.0	2.3	1.5	4	114	2.3	1.5	1.2
					6	78	3.2	3.2	51	4.4	3.7	4	22	6.9	10.9	4.3	62	4.0	4.6	3.0	6	51	3.5	2.9	2.5
					8	44	4.3	4.3	28	5.9	5.0	6	10	10.4	16.4	6.4	27	6.0	6.9	4.5	8	28	4.6	4.4	3.7
					8	44	4.3	4.3	28	5.9	5.0	8	5	13.9	21.9	8.6	15	8.0	9.2	6.1	10	18	5.8	5.9	5.0
					10	28	5.4	5.4	18	7.3	6.2	10	4	17.3	**	10.7	10	10.0	11.5	7.6	12	13	6.9	7.3	6.2
39W PAR20 Ceramic Metal Halide	SP		9000	23000	10	230	1.7	1.7	149	2.3	2.0	4	180	6.9	2.9	1.4	508	4.0	1.4	1.0	6	415	3.5	0.9	0.8
					12	160	2.1	2.1	104	2.8	2.4	6	80	10.4	4.3	2.1	226	6.0	2.1	1.5	9	184	5.2	1.4	1.2
					14	117	2.4	2.4	76	3.3	2.8	8	45	13.9	5.7	2.8	127	8.0	2.8	2.0	12	104	6.9	1.9	1.6
					16	90	2.8	2.8	58	3.7	3.2	10	29	17.3	7.2	3.5	81	10.0	3.5	2.5	15	66	8.7	2.3	2.0
					18	71	3.1	3.1	46	4.2	3.6	12	20	20.8	8.6	4.2	56	12.0	4.2	3.0	18	46	10.4	2.8	2.4
	FL		9000	5000	6	139	3.2	3.2	90	4.4	3.7	2	156	3.5	5.5	2.1	442	2.0	2.3	1.5	4	203	2.3	1.5	1.2
					7	102	3.8	3.8	66	5.1	4.3	4	39	6.9	10.9	4.3	110	4.0	4.6	3.0	6	90	3.5	2.9	2.5
					8	78	4.3	4.3	51	5.9	5.0	6	17	10.4	16.4	6.4	49	6.0	6.9	4.5	8	51	4.6	4.4	3.7
					9	62	4.8	4.8	40	6.6	5.6	8	10	13.9	21.9	8.6	28	8.0	9.2	6.1	10	32	5.8	5.9	5.0
					10	50	5.4	5.4	32	7.3	6.2	10	6	17.3	**	10.7	18	10.0	11.5	7.6	12	23	6.9	7.3	6.2

The beam spread in degrees and the beam "L" and "W" in the following tables are computed at 50% of centerbeam candlepower and represent areas of "effective illumination." **Due to steep aiming angle, length of beam extends beyond 25'.

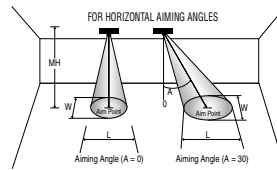
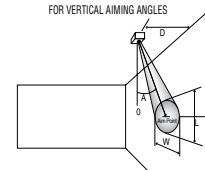

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CBCP • Centerbeam candlepower
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In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°, 1.732 for 60°).


Horizontal Aiming Angles

Vertical Aiming Angles


Fixture	Beam Type	Beam Spread	Rated Life	CBCP	0°				30°			30°					45°				60°				
					MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W	D	FC	X	L	W
20W PAR30L Ceramic Metal Halide	SP	10° 	9000	19800	10	198	1.7	1.7	129	2.3	2.0	4	155	6.9	2.9	1.4	438	4.0	1.4	1.0	6	358	3.5	0.9	0.8
					12	136	2.1	2.1	89	2.8	2.4	6	69	10.4	4.3	2.1	194	6.0	2.1	1.5	9	159	5.2	1.4	1.2
					14	101	2.4	2.4	66	3.3	2.8	8	39	13.9	5.7	2.8	109	8.0	2.8	2.0	12	89	6.9	1.9	1.6
					16	77	2.8	2.8	50	3.7	3.2	10	25	17.3	7.2	3.5	70	10.0	3.5	2.5	15	57	8.7	2.3	2.0
					18	61	3.1	3.1	40	4.2	3.6	12	17	20.8	8.6	4.2	49	12.0	4.2	3.0	18	40	10.4	2.8	2.4
	SP	15° 	9000	14500	8	227	2.1	2.1	147	2.8	2.4	2	453	3.5	2.2	1.1	1282	2.0	1.1	0.7	4	589	2.3	0.7	0.6
					10	145	2.6	2.6	94	3.5	3.0	4	113	6.9	4.4	2.1	320	4.0	2.1	1.5	6	262	3.5	1.4	1.2
					12	101	2.4	2.4	66	3.3	2.8	6	50	10.4	6.7	3.2	142	6.0	3.2	2.2	8	147	4.6	2.1	1.8
					14	74	3.7	3.7	48	4.9	4.3	8	28	13.9	8.9	4.2	80	8.0	4.3	3.0	10	94	5.8	2.8	2.4
					16	57	4.2	4.2	37	5.6	4.9	10	18	17.3	11.1	5.3	51	10.0	5.4	3.7	12	65	6.9	3.5	3.0
	FL	25° 	9000	2800	4	306	1.8	1.8	199	2.4	2.0	2	153	3.5	4.2	1.8	433	2.0	1.9	1.3	2	796	1.2	1.2	1.0
					6	136	2.7	2.7	88	3.6	3.1	3	68	5.2	6.2	2.7	192	3.0	2.8	1.9	3	354	1.7	1.8	1.5
					8	77	3.5	3.5	50	4.8	4.1	4	38	6.9	8.3	3.5	108	4.0	3.7	2.5	4	199	2.3	2.4	2.0
					10	49	4.4	4.4	32	6.0	5.1	5	25	8.7	10.4	4.4	69	5.0	4.7	3.1	5	127	2.9	3.0	2.6
					12	34	5.3	5.3	22	7.2	6.1	6	17	10.4	12.5	5.3	48	6.0	5.6	3.8	6	88	3.5	3.6	3.1
39W PAR30L Ceramic Metal Halide	SP	10° 	9000	44000	10	440	1.7	1.7	286	2.3	2.0	4	344	6.9	2.9	1.4	972	4.0	1.4	1.0	6	794	3.5	0.9	0.8
					12	306	2.1	2.1	198	2.8	2.4	6	153	10.4	4.3	2.1	432	6.0	2.1	1.5	9	353	5.2	1.4	1.2
					14	224	2.4	2.4	146	3.3	2.8	8	86	13.9	5.7	2.8	143	8.0	2.8	2.0	12	198	6.9	1.9	1.6
					16	172	2.8	2.8	112	3.7	3.2	10	55	17.3	7.2	3.5	156	10.0	3.5	2.5	15	127	2.9	3.0	2.6
					18	136	3.1	3.1	88	4.2	3.6	12	38	20.8	8.6	4.2	108	12.0	4.2	3.0	18	88	10.4	2.8	2.4
	FL	30° 	9000	7400	6	206	3.2	3.2	134	4.4	3.7	2	231	3.5	5.5	2.1	654	2.0	2.3	1.5	4	300	2.3	1.5	1.2
					8	116	4.3	4.3	75	5.9	5.0	4	58	6.9	10.9	4.3	164	4.0	4.6	3.0	6	134	3.5	2.9	2.5
					10	74	5.4	5.4	48	7.3	6.2	6	26	10.4	16.4	6.4	73	6.0	6.9	4.5	8	75	4.6	4.4	3.7
					12	51	6.4	6.4	33	8.8	7.4	8	14	13.9	21.9	8.6	41	8.0	9.2	6.1	10	48	5.8	5.9	5.0
					14	38	7.5	7.5	25	10.2	8.7	10	9	17.3	**	10.7	26	10.0	11.5	7.6	12	33	6.9	7.3	6.2
70W PAR30L Ceramic Metal Halide	SP	10° 	11000	68000	10	680	1.7	1.7	442	2.3	2.0	6	236	10.4	4.3	2.1	668	6.0	2.1	1.5	7	901	4.0	1.6	1.4
					14	347	2.4	2.4	225	3.3	2.8	8	133	13.9	5.7	2.8	376	8.0	2.8	2.0	8	690	4.6	1.9	1.6
					18	210	3.1	3.1	136	4.2	3.6	10	85	17.3	7.2	3.5	240	10.0	3.5	2.5	9	545	5.2	2.1	1.8
					22	140	3.8	3.8	91	5.1	4.4	12	59	20.8	8.6	4.2	167	12.0	4.2	3.0	9	545	5.2	2.1	1.8
					24	118	4.2	4.2	77	5.6	4.8	14	43	24.2	10.0	4.9	123	14.0	4.9	3.5	10	442	5.8	2.3	2.0
	FL	40° 	11000	10000	6	278	4.4	4.4	180	6.1	5.0	2	313	3.5	9.7	2.9	884	2.0	3.4	2.1	4	406	2.3	4.1	3.4
					8	156	5.8	5.8	101	8.1	6.7	3	139	5.2	14.5	4.4	393	3.0	5.0	3.1	5	260	2.9	5.1	4.2
					10	100	7.3	7.3	65	10.2	8.4	4	78	6.9	19.3	5.8	221	4.0	6.7	4.1	6	180	3.5	6.1	5.0
					12	69	8.7	8.7	45	12.2	10.1	5	50	8.7	24.2	7.3	141	5.0	8.4	5.1	6	180	3.5	6.1	5.0
					14	51	10.2	10.2	33	14.2	11.8	6	35	10.4	**	8.7	98	6.0	10.1	6.2	7	133	4.0	7.1	5.9

The beam spread in degrees and the beam "L" and "W" in the following tables are computed at 50% of centerbeam candlepower and represent areas of "effective illumination." **Due to steep aiming angle, length of beam extends beyond 25'.


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					MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W	D	FC	X	L	W
70W PAR38 Ceramic Metal Halide	SP	15°	12000	40000	10	400	2.6	2.6	260	3.5	3.0	4	313	6.9	4.4	2.1	884	4.0	2.1	1.5	6	722	3.5	1.4	1.2
					12	278	3.2	3.2	180	4.2	3.6	6	139	10.4	6.7	3.2	393	6.0	3.2	2.2	9	321	5.2	2.1	1.8
					14	204	3.7	3.7	133	4.9	4.3	8	78	13.9	8.9	4.2	221	8.0	4.3	3.0	12	180	6.9	2.8	2.4
					16	156	4.2	4.2	101	5.6	4.9	10	50	17.3	11.1	5.3	141	10.0	5.4	3.7	15	115	8.7	3.5	3.0
					18	123	4.7	4.7	80	6.4	5.5	12	35	20.8	13.3	6.3	98	12.0	6.4	4.5	18	80	10.4	4.2	3.6
	NFL	25°	12000	16000	8	250	3.5	3.5	162	4.8	4.1	2	500	3.5	4.2	1.8	1414	2.0	1.9	1.3	4	650	2.3	1.2	1.0
					10	160	4.4	4.4	104	6.0	5.1	4	125	6.9	8.3	3.5	354	4.0	3.7	2.5	6	289	3.5	2.4	2.0
					12	111	5.3	5.3	72	7.2	6.1	6	56	10.4	12.5	5.3	157	6.0	5.6	3.8	8	162	4.6	3.6	3.1
					14	82	6.2	6.2	53	8.4	7.2	8	31	13.9	16.6	7.1	88	8.0	7.5	5.0	10	104	5.8	4.8	4.1
					16	63	7.1	7.1	41	9.6	8.2	10	20	17.3	20.8	8.9	57	10.0	9.3	6.3	12	72	6.9	6.0	5.1
	WFL	65°	12000	3500	4	219	5.1	5.1	142	7.9	5.9	1	438	1.7	**	2.5	1237	1.0	4.3	1.8	2	568	1.2	2.0	1.5
					6	97	7.6	7.6	63	11.8	8.8	2	109	3.5	**	5.1	309	2.0	8.6	3.6	3	253	1.7	3.9	2.9
					8	55	10.2	10.2	36	15.7	11.8	3	49	5.2	**	7.6	137	3.0	12.9	5.4	4	142	2.3	5.9	4.4
					10	35	12.7	12.7	23	19.6	14.7	4	27	6.9	**	10.2	77	4.0	17.2	7.2	5	91	2.9	7.9	5.9
					12	24	15.3	15.3	16	**	17.7	5	18	8.7	**	12.7	80	16.0	8.6	6.0	6	63	3.5	9.8	7.4
100W PAR38 Ceramic Metal Halide	SP	15°	12000	58000	10	580	2.6	2.6	377	3.5	3.0	4	453	6.9	4.4	2.1	1282	4.0	2.1	1.5	8	589	4.6	1.4	1.2
					14	296	3.7	3.7	192	4.9	4.3	8	113	13.9	8.9	4.2	320	8.0	4.3	3.0	12	262	6.9	2.8	2.4
					18	179	4.7	4.7	116	6.4	5.5	10	73	17.3	11.1	5.3	205	10.0	5.4	3.7	16	147	9.2	3.5	3.0
					22	120	5.8	5.8	78	7.8	6.7	12	50	20.8	13.3	6.3	98	12.0	6.4	4.5	20	94	11.5	4.2	3.6
					26	86	6.8	6.8	56	9.2	7.9	16	39	**	17.8	8.4	80	16.0	8.6	6.0	24	65	13.9	5.6	4.9
	NFL	25°	12000	25000	8	391	3.5	3.5	254	4.8	4.1	2	781	3.5	4.2	1.8	2210	2.0	1.9	1.3	6	451	3.5	1.2	1.0
					10	250	4.4	4.4	162	6.0	5.1	4	195	6.9	8.3	3.5	552	4.0	3.7	2.5	8	254	4.6	2.4	2.0
					12	174	5.3	5.3	113	7.2	6.1	6	87	10.4	12.5	5.3	246	6.0	5.6	3.8	10	162	5.8	3.6	3.1
					14	128	6.2	6.2	83	8.4	7.2	8	49	13.9	16.6	7.1	138	8.0	7.5	5.0	12	113	6.9	4.8	4.1
					16	98	7.1	7.1	63	9.6	8.2	10	31	17.3	20.8	8.9	88	10.0	9.3	6.3	14	83	8.1	6.0	5.1
	WFL	60°	12000	6000	6	167	6.9	6.9	108	10.4	8.0	2	188	3.5	**	4.6	1105	4.0	2.1	1.5	2	974	1.2	3.5	2.7
					8	94	9.2	9.2	61	13.9	10.7	3	83	5.2	**	6.9	236	3.0	10.4	4.9	3	433	1.7	5.2	4.0
					10	60	11.5	11.5	39	17.3	13.3	4	47	6.9	**	9.2	133	4.0	13.9	6.5	4	244	2.3	6.9	5.3
					12	42	13.9	13.9	27	20.8	16.0	5	30	8.7	**	11.5	85	5.0	17.3	8.2	5	156	2.9	8.7	6.7
					14	31	16.2	16.2	20	24.2	18.7	6	21	10.4	**	13.9	59	6.0	20.8	9.8	6	108	3.5	10.4	8.0
150W PAR38 Ceramic Metal Halide	SP	15°	12000	50000	10	500	2.6	2.6	325	3.5	3.0	4	391	6.9	4.4	2.1	1105	4.0	2.1	1.5	8	507	4.6	1.4	1.2
					14	255	3.7	3.7	166	4.9	4.3	8	98	13.9	8.9	4.2	276	8.0	4.3	3.0	12	226	6.9	2.8	2.4
					18	154	4.7	4.7	100	6.4	5.5	10	63	17.3	11.1	5.3	177	10.0	5.4	3.7	16	127	9.2	3.5	3.0
					22	103	5.8	5.8	67	7.8	6.7	12	43	20.8	13.3	6.3	123	12.0	6.4	4.5	20	81	11.5	4.2	3.6
					26	74	6.8	6.8	48	9.2	7.9	16	24	**	17.8	8.4	69	16.0	8.6	6.0	24	56	13.9	5.6	4.9
	NFL	25°	12000	28000	8	438	3.5	3.5	284	4.8	4.1	2	875	3.5	4.2	1.8	2475	2.0	1.9	1.3	6	505	3.5	1.2	1.0
					10	280	4.4	4.4	182	6.0	5.1	4	219	6.9	8.3	3.5	619	4.0	3.7	2.5	8	284	4.6	2.4	2.0
					12	194	5.3	5.3	126	7.2	6.1	6	97	10.4	12.5	5.3	275	6.0	5.6	3.8	10	182	5.8	3.6	3.1
					14	143	6.2	6.2	93	8.4	7.2	8	55	13.9	16.6	7.1	155	8.0	7.5	5.0	12	126	6.9	4.8	4.1
					16	109	7.1	7.1	71	9.6	8.2	10	35	17.3	20.8	8.9	99	10.0	9.3	6.0	14	93	8.1	6.0	5.1
	WFL	65°	12000	6500	6	181	7.6	7.6	117	11.8	8.8	2	203	3.5	**	5.1	575	2.0	8.6	3.6	2	1055	1.2	3.9	2.9
					8	102	10.2	10.2	66	15.7	11.8	3	90	5.2	**	7.6	255	3.0	12.9	5.4	3	469	1.7	5.9	4.4
					10	65	12.7	12.7	42	19.7	14.7	4	51	6.9	**	10.2	144	4.0	17.2	7.2	4	264	2.3	7.9	5.9
					12	45	15.3	15.3	29	23.6	17.7	5	33	8.7	**	12.7	92	5.0	21.4	9.0	5	169	2.9	9.8	7.4
					14	33	17.8	17.8	22	**	20.6	6	23	10.4	**	15.3	64	6.0	**	10.8	6	117	3.5	11.8	8.8

The beam spread in degrees and the beam "L" and "W" in the following tables are computed at 50% of centerbeam candlepower and represent areas of "effective illumination." **Due to steep aiming angle, length of beam extends beyond 25'.