



# Metal Halide PAR Gimbals **AKTMHGR**

One Metal Halide PAR Lamp  
39W, 70W & 100W

DATE: \_\_\_\_\_ TYPE: \_\_\_\_\_

FIRM NAME: \_\_\_\_\_

PROJECT: \_\_\_\_\_

**ArchiTrak®**

For conversion to millimeters,  
multiply inches by 25.4  
Not to Scale

**APPLICATIONS:**

Prescolite's complete offering of metal halide PAR Lamp gimbals offers flexibility for PAR20, 30 & 38 lamps in 39W, 70W or 100W. Prescolite's gimbals are perfect for a range of commercial and retail applications.

**TRACK FIXTURE:**

Heavy die-cast construction with knobless mounting. Extruded aluminum ballast housing rotates 90° vertically and 358° horizontally. Connector has solid copper contact bars, fixed for one or two circuit connection without modification. Baked enamel finish available in black, white, or Zet (metallic silver).

**LAMP:**

See below. (Supplied by others.)

**SOCKET:**

Porcelain socket wired with three 250°C wires (two circuit wires and ground) in fiberglass insulator sleeve.

**BALLAST:**

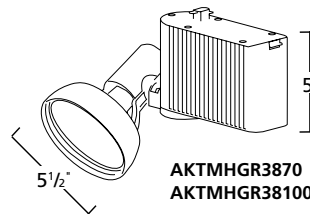
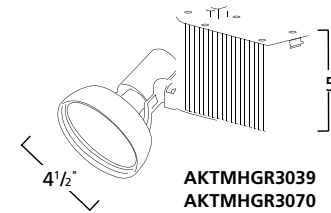
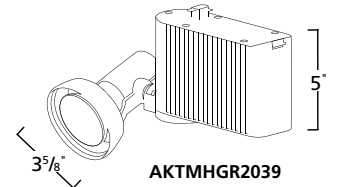
Electronic metal halide, HPF, end of life protection, sound rating A, integral thermal protector and min start temperature -30°C/-20°F. Complies to FCC title 47 CFR part 18. Five year ballast warranty produced by the ballast manufacturer.

**INSTALLATION:**

Easy installation onto ArchiTrak one/two circuit track.

**LABELS:**

CSA NRTL/C Listed



CATALOG NUMBER: \_\_\_\_\_

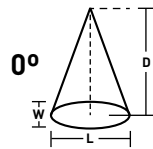
EXAMPLE: AKTMHGR3070 Z

TRACK FIXTURES	FINISHES
<input type="checkbox"/> <b>AKTMHGR2039</b> (1) 39W PAR-20 Metal-Halide Gimbal Ring	<input type="checkbox"/> <b>WH</b> White
<input type="checkbox"/> <b>AKTMHGR3039</b> (1) 39W PAR-30 Metal-Halide Gimbal Ring	<input type="checkbox"/> <b>BL</b> Black
<input type="checkbox"/> <b>AKTMHGR3070</b> (1) 70W PAR-30 Metal-Halide Gimbal Ring	<input type="checkbox"/> <b>Z</b> Zet (Metallic silver)
<input type="checkbox"/> <b>AKTMHGR3870</b> (1) 70W PAR-38 Metal-Halide Gimbal Ring	
<input type="checkbox"/> <b>AKTMHGR38100</b> (1) 100W PAR-38 Metal-Halide Gimbal Ring	

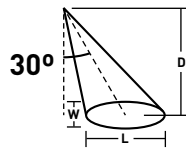
Lamps furnished by others.

**No accessories are available for AKTMHGR's.**

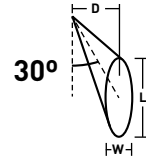
# ArchiTrak® - Metal Halide Gimbals AKTMHGR



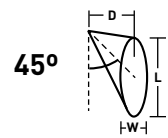
FC ON HORIZONTAL PLANE



FC ON HORIZONTAL PLANE



FC ON VERTICAL PLANE



FC ON VERTICAL PLANE

## AKTMHGR2039

Flood

PAR20 CDM35

D	FC	L	W
4'	453	2.1'	2.1'
6'	176	3.1'	3.1'
7'	125	3.6'	3.6'
8'	93	4.1'	4.1'
9'	72	4.7'	4.7'
10'	58	5.2'	5.2'
12.5'	36	6.5'	6.5'

D	FC	L	W
4'	294	2.3'	2.1'
6'	115	3.7'	3.4'
7'	81	4.3'	4.0'
8'	61	5.0'	4.7'
9'	47	5.7'	5.3'
10'	37	6.4'	5.9'
12.5'	23	8.1'	7.5'

D	FC	L	W
2'	156	3.3'	2.2'
3'	69	4.9'	3.3'
4'	39	6.6'	4.4'
5'	25	8.2'	5.5'
6'	17	9.9'	6.6'
8'	10	13.1'	8.8'
10'	6	16.4'	11.0'

D	FC	L	W
2'	442	1.9'	1.6'
3'	196	2.8'	2.3'
4'	110	3.8'	3.1'
5'	71	4.7'	3.9'
6'	49	5.7'	4.7'
8'	28	7.6'	6.2'
10'	18	9.5'	7.8'

## AKTMHGR3039

Flood

PAR30L CDM35

D	FC	L	W
5'	422	2.0'	2.0'
6'	275	2.5'	2.5'
7'	193	3.0'	3.0'
8'	143	3.4'	3.4'
9'	110	3.9'	3.9'
10'	88	4.4'	4.4'
12.5'	54	5.6'	6.6'

D	FC	L	W
5'	274	3.1'	2.1'
6'	179	3.8'	2.6'
7'	126	4.5'	3.1'
8'	93	5.3'	3.6'
9'	72	6.0'	4.2'
10'	57	6.7'	4.7'
12.5'	35	8.6'	5.9'

D	FC	L	W
2'	231	3.0'	2.4'
3'	103	4.5'	3.5'
4'	58	6.0'	4.7'
5'	37	7.5'	5.9'
6'	26	9.0'	7.1'
8'	14	11.9'	9.4'
10'	9	14.9'	11.8'

D	FC	L	W
2'	654	1.8'	1.4'
3'	291	2.6'	2.1'
4'	164	3.5'	2.8'
5'	105	4.4'	3.5'
6'	73	5.3'	4.2'
8'	41	7.0'	5.6'
10'	26	8.8'	7.1'

## AKTMHGR3070

Flood

PAR30L CDM70

D	FC	L	W
5'	570	2.6'	2.6'
6'	372	3.2'	3.2'
7'	261	3.8'	3.8'
8'	194	4.4'	4.4'
9'	149	5.0'	5.0'
10'	118	5.6'	5.6'
12.5'	73	7.1'	7.1'

D	FC	L	W
5'	370	3.3'	3.1'
6'	241	4.1'	3.9'
7'	170	4.9'	4.6'
8'	126	5.7'	5.4'
9'	97	6.5'	6.1'
10'	77	7.3'	6.9'
12.5'	48	9.3'	8.8'

D	FC	L	W
3'	139	5.3'	3.9'
4'	78	7.1'	5.2'
5'	50	8.8'	6.5'
6'	35	10.6'	7.8'
7'	26	12.4'	9.1'
8'	20	14.1'	10.4'
10'	13	17.7'	13.0'

D	FC	L	W
3'	393	3.2'	2.8'
4'	221	4.2'	3.7'
5'	141	5.3'	4.6'
6'	98	6.4'	5.5'
7'	72	7.4'	6.4'
8'	55	8.5'	7.4'
10'	35	10.6'	9.2'

## AKTMHGR3870

Flood

PAR38 CDM70 3K

D	FC	L	W
7'	467	2.6'	2.6'
8'	346	3.0'	3.0'
9'	266	3.4'	3.4'
10'	211	3.9'	3.9'
11'	172	4.3'	4.3'
12'	142	4.7'	4.7'
14'	102	5.6'	5.6'

D	FC	L	W
7'	303	3.4'	3.1'
8'	225	3.9'	3.6'
9'	173	4.5'	4.1'
10'	137	5.0'	4.6'
11'	111	5.6'	5.2'
12'	92	6.1'	5.7'
14'	66	7.2'	6.7'

D	FC	L	W
4'	138	5.4'	3.5'
5'	88	6.8'	4.4'
6'	61	8.2'	5.3'
7'	45	9.5'	6.2'
8'	35	10.9'	7.0'
9'	27	12.2'	7.9'
10'	22	13.6'	8.8'

D	FC	L	W
4'	391	3.1'	4.8'
5'	250	3.9'	5.8'
6'	174	4.7'	6.8'
7'	128	5.4'	7.8'
8'	98	6.2'	8.8'
9'	77	7.0'	9.8'
10'	63	7.8'	10.8'

## AKTMHGR3870

Flood

PAR38 CDM70 4K

D	FC	L	W
7'	429	2.5'	2.5'
8'	317	2.9'	2.9'
9'	244	3.3'	3.3'
10'	194	3.7'	3.7'
11'	158	4.2'	4.2'
12'	131	4.6'	4.6'
14'	94	5.4'	5.4'

D	FC	L	W
7'	279	3.3'	3.0'
8'	206	3.8'	3.5'
9'	156	4.3'	4.0'
10'	126	4.9'	4.5'
11'	102	5.4'	5.0'
12'	85	5.9'	5.5'
14'	61	7.0'	6.5'

D	FC	L	W
4'	127	5.4'	3.4'
5'	81	6.8'	4.3'
6'	56	8.1'	5.1'
7'	41	9.5'	6.0'
8'	32	10.8'	6.8'
9'	25	12.2'	7.7'
10'	20	13.5'	8.5'

D	FC	L	W
4'	359	3.0'	2.4'
5'	230	3.8'	3.0'
6'	159	4.6'	3.6'
7'	117	5.3'	4.2'
8'	90	6.1'	4.8'
9'	71	6.9'	5.4'
10'	57	7.6'	6.0'

## AKTMHGR3870

Wide Flood

PAR38 CDM70 3K

D	FC	L	W
4'	486	2.4'	2.4'
6'	182	3.9'	3.9'
7'	127	4.6'	4.6'
8'	94	5.4'	5.4'
9'	73	6.1'	6.1'
10'	58	6.9'	6.9'
12.5'	36	8.7'	8.7'

D	FC	L	W
4'	315	2.8'	3.4'
6'	118	4.6'	5.5'
7'	83	5.5'	6.6'
8'	61	6.4'	7.7'
9'	47	7.3'	8.8'
10'	37	8.2'	9.9'
12.5'	23	10.4'	12.5'

D	FC	L	W
2'	151	4.5'	3.6'
3'	67	6.7'	5.7'
4'	38	8.9'	7.5'
5'	24	11.1'	9.3'
6'	17	13.4'	11.2'
8'	9	17.8'	14.9'
10'	6	22.3'	18.7'

D	FC	L	W
2'	426	2.6'	2.6'
3'	189	3.8'	4.0'
4'	107	5.1'	5.3'
5'	68	6.4'	6.6'
6'	47	7.7'	7.9'
8'	27	10.2'	10.6'
10'	17	12.8'	13.2'

## AKTMHGR3870

Wide Flood

PAR38 CDM70 4K

D	FC	L	W
4'	411	2.5'	2.5'
6'	154	4.0'	4.0'
7'	108	4.8'	4.8'
8'	80	5.6'	5.6'
9'	61	6.4'	6.4'
10'	49	7.2'	7.2'
12.5'	30	9.1'	9.1'

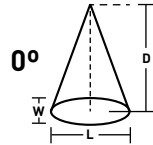
D	FC	L	W
4'	267	2.9'	3.4'
6'	100	4.7'	5.5'
7'	70	5.6'	6.6'
8'	52	6.5'	7.6'
9'	40	7.4'	8.7'
10'	32	8.4'	9.8'
12.5'	20	10.6'	12.4'

D	FC	L	W
2'	128	4.5'	3.7'
3'	57	6.7'	5.5'
4'	32	9.0'	7.4'
5'	20	11.2'	9.2'
6'	14	13.5'	11.1'
8'	8	18.0'	14.8'
10'	5	22.5'	18.5'

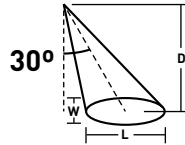
D	FC	L	W
2'	361	2.6'	2.6'
3'	160	3.9'	3.9'
4'	90	5.2'	5.2'
5'	58	6.5'	6.5'
6'	40	7.8'	7.8'
8'	23	10.4'	10.5'
10'	14	13.0'	13.1'

(continued)

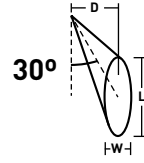
# ArchiTrak® - Metal Halide Gimbals AKTMHGR



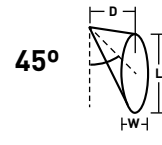
FC ON HORIZONTAL PLANE



FC ON HORIZONTAL PLANE



FC ON VERTICAL PLANE



FC ON VERTICAL PLANE

AKTMHGR38100 Flood	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
PAR38 CDM100 3K & 4K	8'	453	2.9'	2.9'	8'	294	3.7'	3.4'	4'	181	5.3'	3.3'	4'	512	3.0'	2.3'
	9'	349	3.3'	3.3'	9'	227	4.2'	3.9'	5'	116	6.7'	4.1'	5'	328	3.7'	2.9'
	10'	277	3.6'	3.6'	10'	180	4.8'	4.3'	6'	80	8.0'	4.9'	6'	228	4.5'	3.5'
	11'	225	4.0'	4.0'	11'	146	5.3'	4.8'	7'	59	9.4'	5.7'	7'	167	5.2'	4.1'
	12'	186	4.4'	4.4'	12'	121	5.8'	5.3'	8'	45	10.7'	6.6'	8'	128	6.0'	4.6'
	14'	134	5.2'	5.2'	14'	87	6.9'	6.2'	9'	36	12.0'	7.4'	9'	101	6.7'	5.2'
	16'	101	6.0'	6.0'	16'	66	7.9'	7.2'	10'	29	13.4'	8.2'	10'	82	7.4'	5.8'

AKTMHGR38100 Wide Flood	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
PAR38 CDM100 3K	4'	691	2.2'	2.2'	4'	449	2.8'	3.0'	2'	214	4.4'	3.3'	2'	607	2.6'	2.3'
	6'	259	3.6'	3.6'	6'	168	4.6'	4.9'	3'	95	6.6'	4.9'	3'	270	3.9'	3.5'
	7'	181	4.3'	4.3'	7'	118	5.5'	5.9'	4'	54	8.8'	6.6'	4'	152	5.3'	4.7'
	8'	134	5.0'	5.0'	8'	87	6.4'	6.8'	5'	34	11.1'	8.2'	5'	97	6.6'	5.8'
	9'	103	5.7'	5.7'	9'	67	7.3'	7.8'	6'	24	13.3'	9.9'	6'	67	7.9'	7.0'
	10'	82	6.4'	6.4'	10'	53	8.2'	8.7'	8'	13	17.7'	13.2'	8'	38	10.5'	9.3'
	12.5'	51	8.1'	8.1'	12.5'	33	10.5'	11.1'	10'	9	22.1'	16.5'	10'	24	13.2'	11.7'

AKTMHGR38100 Wide Flood	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
PAR38 CDM100 4K	4'	549	2.2'	2.2'	4'	356	2.9'	3.4'	2'	170	4.5'	3.8'	2'	482	2.8'	2.7'
	6'	205	3.6'	3.6'	6'	133	4.7'	5.6'	3'	76	6.7'	5.6'	3'	214	4.2'	4.0'
	7'	144	4.3'	4.3'	7'	94	5.7'	6.7'	4'	43	9.0'	7.5'	4'	120	5.6'	5.3'
	8'	107	5.0'	5.0'	8'	69	6.6'	7.8'	5'	27	11.2'	9.4'	5'	77	7.0'	6.7'
	9'	82	5.7'	5.7'	9'	53	7.5'	8.9'	6'	19	13.5'	11.3'	6'	54	8.4'	8.0'
	10'	65	6.4'	6.4'	10'	42	8.4'	9.9'	8'	11	18.0'	15.1'	8'	30	11.2'	10.6'
	12.5'	40	8.1'	8.1'	12.5'	26	10.7'	12.7'	10'	7	22.5'	18.8'	10'	19	14.0'	13.3'

AKTMHGR3870 Spot	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
PAR38 CDM70 4K	10'	555	2.2'	2.2'	10'	361	2.9'	2.4'	5'	233	4.1'	2.2'	5'	658	2.2'	1.6'
	12'	374	2.6'	2.6'	12'	243	3.3'	2.9'	6'	162	4.9'	2.7'	6'	457	2.6'	1.9'
	14'	269	3.1'	3.1'	14'	175	3.9'	3.4'	7'	119	5.7'	3.1'	7'	336	3.1'	2.2'
	16'	203	3.6'	3.6'	16'	132	4.5'	3.9'	8'	91	6.5'	3.6'	8'	257	3.5'	2.5'
	18'	158	4.1'	4.1'	18'	103	5.0'	4.4'	9'	72	7.3'	4.0'	9'	203	3.9'	2.9'
	20'	127	4.5'	4.5'	20'	82	5.6'	5.0'	10'	58	8.1'	4.5'	10'	164	4.4'	3.2'
	22'	104	5.0'	5.0'	22'	68	6.2'	5.5'	12.5'	37	10.2'	5.6'	12.5'	103	5.5'	4.0'

BALLAST DATA	39W	70W	100W
	<b>120V</b>	<b>120V</b>	<b>120V</b>
Minimum Starting Temp	-30°C/-22°F	-30°C/-22°F	-30°C/-22°F
Input Current (Amps)	.37	0.7	.93
Ballast Factor	1.0	1.0	1.0
Total Harmonic Distortion	10%	15%	10%
Total Input Watts	45W	82W	112W
Power Factor	.99	.99	.99
Sound Rating	A	A	A
Current Crest Factor	>1.7	>1.5	>1.7
PCBs	None	None	None



Web: [www.prescolite.com](http://www.prescolite.com) • Tech Support: (888) 777-4832  
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