

# FEATURES

## OPTICAL SYSTEM

- Self-flanged, semi-specular, matte-diffuse or specular cone designed to minimize backflash. Contour cut reduces visibility of inner housing.
- Center Beam optical system centers the lamp relative to the aperture, optimizing lamp efficiency.
- Tool-less 0° - 40° vertical and 355° horizontal lamp adjustments made with the trim assembly removed for simple focusing. Lockable adjustment mechanisms maintain focus during relamping and are visible from below the ceiling with trim assembly removed.
- Designed to allow hot aiming.
- Optical system retained by self-aligning torsion support springs.
- Internal housing components painted black.

## MECHANICAL SYSTEM

- Black painted housing features tool-less top access and accommodates a maximum 1-1/2" ceiling thickness.
- Re-lamp capability from above or below ceiling.
- 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustment are shipped pre-installed. Post installation adjustment possible without the use of tools above or below ceiling.
- Secondary housing adjustment system for precise, final flange to ceiling alignment.
- Galvanized steel junction box with hinged access covers and spring latch. Three combination 1/2" - 3/4" and one 1/2" knockout for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors rated for 90°C.

## ELECTRICAL SYSTEM

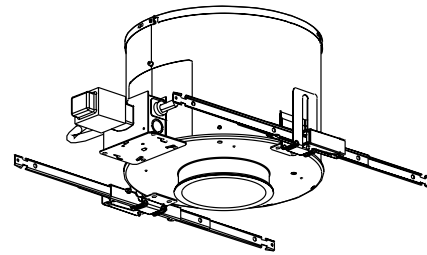
- Tool-less access door provides access to junction box through the aperture.
- 12-volt electronic transformer is replaceable without the use of tools.
- Thermally-activated insulation detector is replaceable without the use of tools.

## LISTING

- Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Type

Catalog number

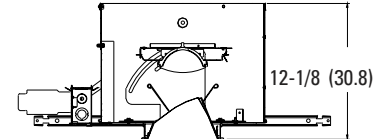


Low Voltage Incandescent

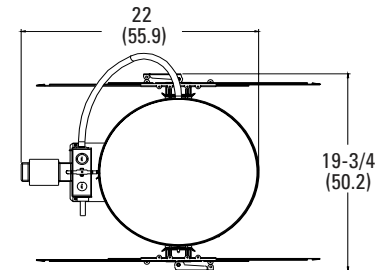
# 6" DLV

## Directional

Max 100 watt



Aperture: 6-1/4 (15.9)  
 Ceiling opening: 6-7/8 (17.5)  
 Overlap trim: 7-1/2 (19.1)



All dimensions are inches (centimeters)

# ORDERING INFORMATION

Example: **DLV AR70 6ACT30 120 TRW**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

## DLV

Series	Lamp designation	Aperture/Trim Color	Type	Finish	Voltage	Options	
<b>DLV</b>	<b>AR70</b> (75W max.)	<b>6AC</b> Clear	<b>T30</b> Cut for angles 25°-40°	(blank) Semi-specular	<b>120</b>	<b>TRW</b> White painted flange (Standard with WC, MB, and WB.) <b>TRBL</b> Blackpainted flange <b>LRC<sup>5</sup></b> Provides compatibility with Lithonia Reloc <sup>®</sup> System. Lithonia Reloc System can be installed less this option with connectors provided by others. Access above ceiling required <b>CP</b> Chicago Plenum	
	<b>AR111<sup>1</sup></b> (100W max.)	<b>6BC<sup>2</sup></b> Black	<b>T20</b> Cut for angles 15°-25°	<b>LD</b> Matte-diffuse	<b>277</b>		
	<b>MR16</b> (75W max.)	<b>6PC</b> Pewter	<b>T00</b> Cut for angles 0°-15°	<b>LS</b> Specular	<b>347</b>		
	<b>PAR36</b> (75W max.)	<b>6UBC</b> Umber	<b>Transformer</b>				(blank) <sup>3</sup> Electromagnetic transformer
		<b>6WTC</b> Wheat					<b>LVET<sup>4</sup></b> Low voltage electronic transformer
		<b>6GC</b> Gold	<b>Accessories</b> <i>Order as Separate Catalog Number</i>				
		<b>6WC<sup>2</sup></b> White painted					<b>LFH503</b> Locking Filter Holder for use with PAR36 and AR111.
		<b>6MB<sup>2</sup></b> Black baffle					<b>GFC700</b> Gotham filter clips for use with PAR36 & AR111.
		<b>6WB<sup>2</sup></b> White baffle					<b>F200</b> Lens for use with MR16 lamps.

## NOTES

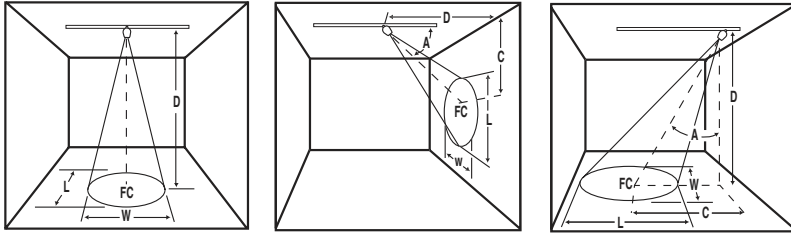
- 1 Available in 120V only.
- 2 Not available with finishes.
- 3 Only available 347V.
- 4 Only available 120 or 277V.
- 5 For compatible Reloc systems, refer to Technical Bulletins tab.
- 6 Refer to Technical Bulletins tab for lens color availability.

- F300** Lens for use with AR70 lamps.
- F500<sup>6</sup>** Lens for use with 500 series filter holder.
- F700<sup>6</sup>** Lens for use with 700 series filter clip.

# 6" DLV

## LAMP PERFORMANCE DATA

The lighting performance data charts shown provide lighting levels (footcandles), beam pattern (in feet), rated lamp life (hours).



Rated Life	Beam Spread	0° Aiming					30° Aiming					45° Aiming					60° Aiming				
		D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C
50AR70/SP8 CBCP = 12,500	8	8	195	1.1	1.1	N/A	6	226	1.0	1.1	3.5	4	276	0.8	1.1	4.0	2	391	0.6	1.1	3.5
		12	87	1.7	1.7	N/A	10	81	1.6	1.9	5.8	8	69	1.6	2.2	8.0	4	98	1.1	2.3	6.9
		16	49	2.2	2.2	N/A	14	41	2.3	2.6	8.1	12	31	2.4	3.4	12.0	6	43	1.7	3.4	10.4
50AR70/FL25 CBCP = 2600	25	4	163	1.8	1.8	N/A	4	106	2.0	2.4	2.3	4	57	2.5	3.7	4.0	2	81	1.8	4.2	3.5
		8	41	3.5	3.5	N/A	8	26	4.1	4.8	4.6	6	26	3.8	5.6	6.0	3	36	2.7	6.2	5.2
		12	18	5.3	5.3	N/A	12	12	6.1	7.2	6.9	8	14	5.0	7.5	8.0	4	20	3.5	8.3	6.9
75AR111/SP8 CBCP = 30,000	8	12	208	1.7	1.7	N/A	8	304	1.3	1.5	4.6	6	295	1.2	1.7	6.0	4	234	1.1	2.3	6.9
		16	117	2.2	2.2	N/A	12	135	1.9	2.2	6.9	10	106	2.0	2.8	10.0	8	59	2.2	4.5	13.9
		20	75	2.8	2.8	N/A	16	76	2.6	3.0	9.2	14	54	2.8	3.9	14.0	12	26	3.4	6.8	20.8
75AR111/FL25 CBCP = 5300	25	4	331	1.8	1.8	N/A	4	215	2.0	2.4	2.3	4	117	2.5	3.7	4.0	2	166	1.8	4.2	3.5
		8	83	3.5	3.5	N/A	8	54	4.1	4.8	4.6	6	52	3.8	5.6	6.0	3	74	2.7	6.2	5.2
		12	37	5.3	5.3	N/A	12	24	6.1	7.2	6.9	8	29	5.0	7.5	8.0	4	41	3.5	8.3	6.9
100AR111/SP8 CBCP = 48,000	8	12	333	1.7	1.7	N/A	8	487	1.3	1.5	4.6	6	471	1.2	1.7	6.0	4	375	1.1	2.3	6.9
		16	188	2.2	2.2	N/A	12	217	1.9	2.2	6.9	10	170	2.0	2.8	10.0	8	94	2.2	4.5	13.9
		20	120	2.8	2.8	N/A	16	122	2.6	3.0	9.2	14	87	2.8	3.9	14.0	12	42	3.4	6.8	20.8
100AR111/FL25 CBCP = 8500	25	6	236	2.7	2.7	N/A	6	153	3.1	3.6	3.5	4	188	2.5	3.7	4.0	4	66	3.5	8.3	6.9
		10	85	4.4	4.4	N/A	10	55	5.1	6.0	5.8	8	47	5.0	7.5	8.0	6	30	5.3	12.5	10.4
		14	43	6.2	6.2	N/A	14	28	7.2	8.4	8.1	12	21	7.5	11.2	12.0	8	17	7.1	16.6	13.9
100AR111/WFL45 CBCP = 2800	45	4	175	3.3	3.3	N/A	4	114	3.8	4.7	2.3	2	247	2.3	4.0	2.0	2	88	3.3	13.7	3.5
		6	78	5.0	5.0	N/A	6	51	5.7	7.0	3.5	4	62	4.7	8.0	4.0	3	39	5.0	20.5	5.2
		8	44	6.6	6.6	N/A	8	28	7.7	9.4	4.6	6	27	7.0	12.0	6.0	4	22	6.6	27.3	6.9
50MR16/T/NSP10 CBCP = 11,500	10	8	180	1.4	1.4	N/A	6	207	1.2	1.4	3.5	4	254	1.0	1.4	4.0	2	359	0.7	1.4	3.5
		12	80	2.1	2.1	N/A	10	75	2.0	2.3	5.8	8	64	2.0	2.8	8.0	4	90	1.4	2.9	6.9
		16	45	2.8	2.8	N/A	14	38	2.8	3.3	8.1	12	28	3.0	4.2	12.0	6	40	2.1	4.3	10.4
50MR16/T/NFL25 CBCP = 3200	25	4	200	1.8	1.8	N/A	4	130	2.0	2.4	2.3	2	283	1.3	1.9	2.0	2	100	1.8	4.2	3.5
		6.0	89	2.7	2.7	N/A	6	58	3.1	3.6	3.5	4	71	2.5	3.7	4.0	3	44	2.7	6.2	5.2
		8	50	3.5	3.5	N/A	8	32	4.1	4.8	4.6	6	31	3.8	5.6	6.0	4	25	3.5	8.3	6.9
50MR16/T/FL40 CBCP = 2000	40	4	125	2.9	2.9	N/A	4	81	3.4	4.1	2.3	2	177	2.1	3.4	2.0	2	63	2.9	9.7	3.5
		6	56	4.4	4.4	N/A	6	36	5.0	6.1	3.5	4	44	4.1	6.7	4.0	3	28	4.4	14.5	5.2
		8	31	5.8	5.8	N/A	8	20	6.7	8.1	4.6	6	20	6.2	10.1	6.0	4	16	5.8	19.3	6.9
50MR16/T/WFL60 CBCP = 1000	60	3	111	3.5	3.5	N/A	2	162	2.7	3.5	1.2	2	88	3.3	6.9	2.0	2	31	4.6	N/A	3.5
		4	63	4.6	4.6	N/A	3	72	4.0	5.2	1.7	3	39	4.9	10.4	3.0	3	14	6.9	N/A	5.2
		5.0	40	5.8	5.8	N/A	4	41	5.3	6.9	2.3	4	22	6.5	13.9	4.0	4	8	9.2	N/A	6.9
65MR16/T/NSP10 CBCP = 14,000	10	8	219	1.4	1.4	N/A	8	142	1.6	1.9	4.6	6	137	1.5	2.1	6.0	4	109	1.4	2.9	6.9
		10	140	1.7	1.7	N/A	10	91	2.0	2.3	5.8	8	77	2.0	2.8	8.0	6	49	2.1	4.3	10.4
		12	97	2.1	2.1	N/A	12	63	2.4	2.8	6.9	10	49	2.5	3.5	10.0	8	27	2.8	5.7	13.9
65MR16/T/NFL25 CBCP = 4000	25	4	250	1.8	1.8	N/A	4	162	2.0	2.4	2.3	4	88	2.5	3.7	4.0	2	125	1.8	4.2	3.5
		8	63	3.5	3.5	N/A	6	72	3.1	3.6	3.5	6	39	3.8	5.6	6.0	4	31	3.5	8.3	6.9
		12	28	5.3	5.3	N/A	8	41	4.1	4.8	4.6	8	22	5.0	7.5	8.0	6	14	5.3	12.5	10.4
65MR16/T/VWFL60 CBCP = 1050	60	3.0	117	3.5	3.5	N/A	2	170	2.7	3.5	1.2	2	93	3.3	6.9	2.0	2	33	4.6	N/A	3.5
		4	66	4.6	4.6	N/A	3	76	4.0	5.2	1.7	3	41	4.9	10.4	3.0	3	15	6.9	N/A	5.2
		5	42	5.8	5.8	N/A	4	43	5.3	6.9	2.3	4	23	6.5	13.9	4.0	4	8	9.2	N/A	6.9
50PAR36/CAP/NSP6 CBCP = 25,000	6	10	250	1.0	1.0	N/A	10	162	1.2	1.4	5.8	8	138	1.2	1.7	8.0	4	195	0.8	1.7	6.9
		15	111	1.6	1.6	N/A	14	83	1.7	2.0	8.1	10	88	1.5	2.1	10.0	6	87	1.3	2.5	10.4
		20	63	2.1	2.1	N/A	18	50	2.2	2.5	10.4	12	61	1.8	2.5	12.0	8	49	1.7	3.4	13.9

### NOTES:

1 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.

### ALV-190

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