



ARTISTA 347 EVOLVE

LED COMMERCIAL DOWNLIGHT
RECESSED DOWNLIGHT



The Artista 347 EVOLVE Series LED downlight the ideal recessed downlight for any retrofit or new construction project. Its voltage rating of 120-347V makes it highly suitable both Canadian and American markets. The spring-action housing clips make the installation process a breeze in mere minutes for both the 6 and 8-inch sizes. The Artista 347 EVOLVE separates itself from competitor downlights by having selectable lumens and CCT switches enabling high flexibility at the project location. At just a flick of a switch your power and color projection can be varied, offering an unparalleled level of flexibility.

Project: _____
Qty: _____
Notes: _____

OPERATING & ELECTRICAL

Power factor 0.9
Total harmonic distortion (THD) <20%

PERFORMANCE

Lumens per Watt 83 LPW at 90CRI
Beam angle 90°
Dimming 0-10V external dimming down to 10%.

MECHANICAL & HOUSING

Housing Aluminum die cast housing for strength

Lens Highly durable polycarbonate lens ensures high efficiency light output for a clean, evenly illuminated surface with minimal glare.

Finish White powder coat finish ensures durability.

Reflector Reflector made from cast aluminum, powder coated, non-yellowing, white baffle and flange.

Power Supply

driver

LED Board

Spring

clips

APPLICATION CONDITION

Ambient temperature range

Protection

(6" model only)

COMPATIBLE MOUNTING

Mounting

Mounted with stainless steel spring-action housing clips.

WARRANTY

System warranty

Lumen maintenance

Rated for 70% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L70 at 50,000 hours)

Factory wired electronic LED

Light emitted source
Stainless steel spring-action

-20 to 40°C
Wet location rated, IC rated

New construction or retrofit.

5 years
Rated for 70% initial lumen

ORDERING GUIDE

EXAMPLE: AE-DL-ATE-CA6-12-17.5WT-010-P30/35/40/50

AE-DL-ATE-	CA	6-	12-17.5WT-	010-	P30/35/40/50
FIXTURE FAMILY	VOLTAGE	SHAPE & SIZE	POWER	CONTROLS	CCT
AE-DL-ATE- Aeralux Artista 347 EVOLVE recessed downlight	CA 120-347Vac 50/60Hz	6- 6" Round housing	12-17.5WT- 12/17.5W: 1000/1500lm Selectable Replaces 32W CFL	010- 0-10V External dimming down to 10%	P30/35/40/50 3000K/3500K/ 4000K/5000K Selectable CCT
		8- 8" Round housing	18-24WT- 18/24W: 1500/2000lm Selectable Replaces 52W CFL		
			21-32WT- 21/32W: 2000/3000lm Selectable Replaces 84W CFL		

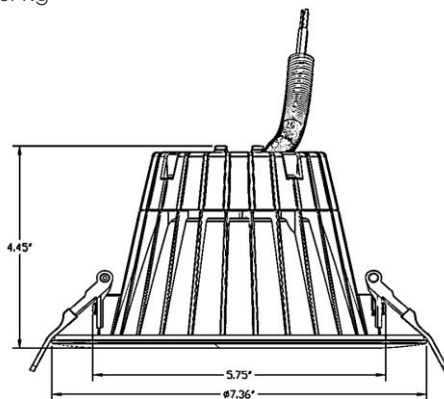


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PRODUCT DIMENSIONS

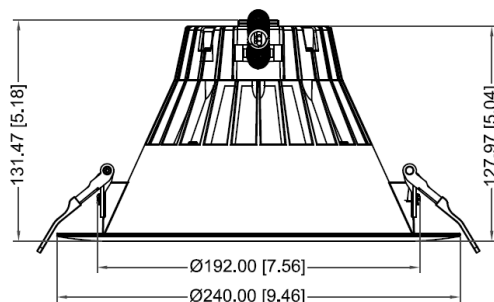
AE-DL-ATE-CA6-12-17.5WT (6-inch round)

Weight: 0.67Kg



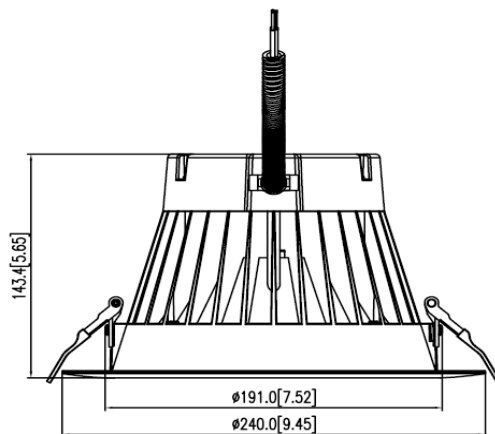
AE-DL-ATE-CA8-18-24WT (8-inch round)

Weight: 0.865Kg



AE-DL-ATE-CA8-21-32WT (8-INCH ROUND)

Weight: 1.4Kg



LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

Lumen estimate adjustment factors

CCT	2700K	3000K	3500K	4000K
NORMAL (90CRI)	0.97	1	1.03	1.05

PHOTOMETRIC DATA

AE-DL-ATE-CA6-12-17.5WT-010-P30/35/40/50 (17.5W, 3000K)

Coefficients of utilization

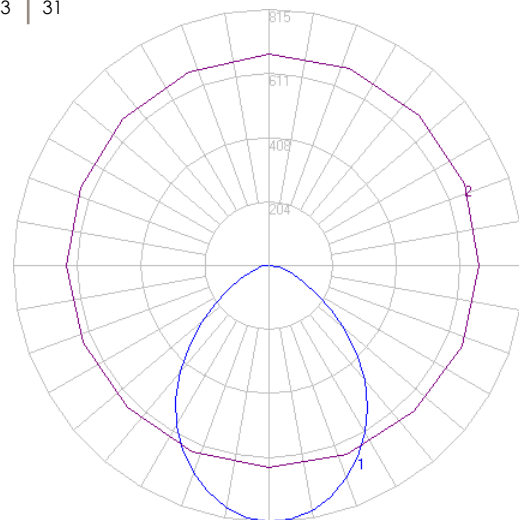
Ceiling	80%				70%		50%		30%		0%	
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0	
RCR	Zonal Cavity Method – Effective floor reflectance = 20%											
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	110	106	103	99	104	98	100	95	96	92	87
	2	102	95	89	84	93	83	90	81	86	79	76
	3	94	85	78	72	83	71	80	70	78	69	66
	4	87	76	69	63	75	62	73	61	70	61	58
	5	81	69	61	55	68	55	66	54	64	54	51
	6	75	63	55	49	62	49	60	48	59	48	46
	7	70	58	49	44	57	44	55	43	54	43	41
	8	65	53	45	40	52	39	51	39	50	39	37
	9	61	49	41	36	48	36	47	36	46	36	34
10	58	45	38	33	45	33	44	33	43	33	31	

Luminance data

Angle	0°	45°	90°
45°	16625	16992	16784
55°	12678	13083	12702
65°	8717	9122	8939
75°	5674	6031	5688
85°	7540	8045	7383

Zonal lumen

Zone	Lumens	Zone	Lumens
0-10	76.5	90-100	0
10-20	212.39	100-110	0
20-30	303	110-120	0
30-40	332.63	120-130	0
40-50	291.1	130-140	0
50-60	205.34	140-150	0
60-70	114.87	150-160	0
70-80	50.37	160-170	0
80-90	18.57	170-180	0



AE-DL-ATE-CA8-18-24WT-010-P30/35/40/50 (24W, 3000K)

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0
RCR	Zonal Cavity Method – Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	111	107	103	100	104	98	100	95	96	92	87
2	102	95	89	84	93	83	90	82	87	80	76
3	94	85	78	73	84	72	81	71	78	70	66
4	87	77	69	63	76	63	73	62	71	61	58
5	81	70	62	56	68	55	66	55	65	54	52
6	75	63	55	49	62	49	61	49	59	48	46
7	70	58	50	44	57	44	56	44	54	44	42
8	66	53	45	40	53	40	51	40	50	40	38
9	62	49	42	36	49	36	47	36	46	36	34
10	58	46	38	33	45	33	44	33	43	33	31

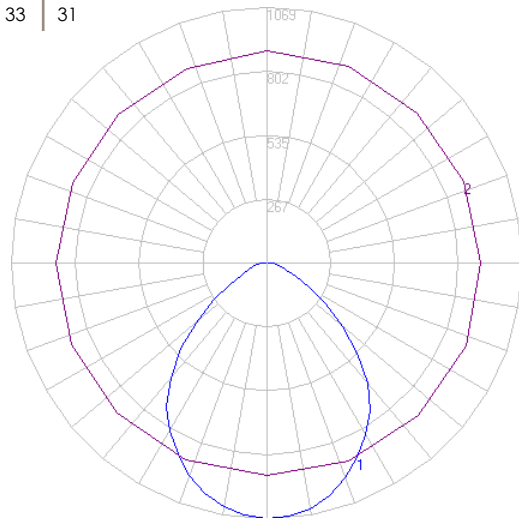
Room Cavity Ratio

Luminance data

Angle	0°	45°	90°
45°	22504	21905	21805
55°	15589	14915	14635
65°	9255	8748	8673
75°	7261	7047	7016
85°	9288	8643	9035

Zonal lumen

Zone	Lumens	Zone	Lumens
0-10	100.64	90-100	0
10-20	282.21	100-110	0
20-30	409.6	110-120	0
30-40	462.04	120-130	0
40-50	401.83	130-140	0
50-60	260.51	140-150	0
60-70	129.44	150-160	0
70-80	65.52	160-170	0
80-90	25.79	170-180	0



AE-DL-ATE-CA8-21-32WT-010-P30/35/40/50 (32W, 3000K)

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0
RCR	Zonal Cavity Method – Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	110	106	102	99	104	97	99	94	95	91	86
2	101	94	87	82	92	81	88	79	85	78	74
3	93	83	76	70	82	69	79	68	76	67	64
4	85	74	66	60	73	60	71	59	68	58	55
5	79	67	59	52	66	52	64	51	62	51	48
6	73	61	52	46	60	46	58	46	56	45	43
7	68	55	47	41	54	41	53	41	52	40	38
8	63	51	42	37	50	37	49	37	47	36	34
9	59	47	39	33	46	33	45	33	44	33	31
10	56	43	35	30	43	30	42	30	41	30	28

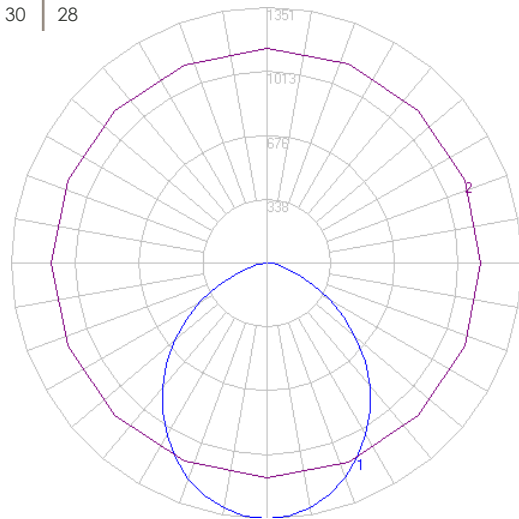
Room Cavity Ratio

Luminance data

Angle	0°	45°	90°
45°	31116	31318	31391
55°	25734	26058	26333
65°	19082	19517	19635
75°	10911	11288	11529
85°	12008	12268	12684

Zonal lumen

Zone	Lumens	Zone	Lumens
0-10	127.28	90-100	0
10-20	358.06	100-110	0
20-30	522.99	110-120	0
30-40	596.96	120-130	0
40-50	573.39	130-140	0
50-60	452.75	140-150	0
60-70	277.48	150-160	0
70-80	112.08	160-170	0
80-90	33.52	170-180	0



ACCESSORIES

Ordered separately, field installed

NEW CONSTRUCTION FRAME KIT

AE-DL-FRKT-06

AE-DL-FRKT-08

6" Round

8" Round

Housing

Junction box

Hanger bars

Constructed of 22-gauge galvanized steel. For use in direct contact with thermal insulation.

22-gauge galvanized steel with 2 snap-on covers with knockouts for 1/2" & 3/4" conduits.

Pre-nailed style bar hangers that telescope from 15" to 26" suitable for short or long axis of housing.

AE-DL-AT-GOOFRING-06-08

AE-DL-AT-GOOFRING-08-10

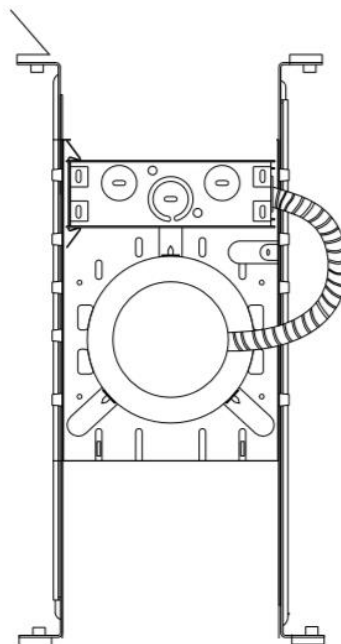
Goof ring 6 to 8 inches

Goof ring 8 to 10 inches

DIMMERS

For list of compatible dimmers, please refer to www.Aeralux.com

PHOTOGRAPHS





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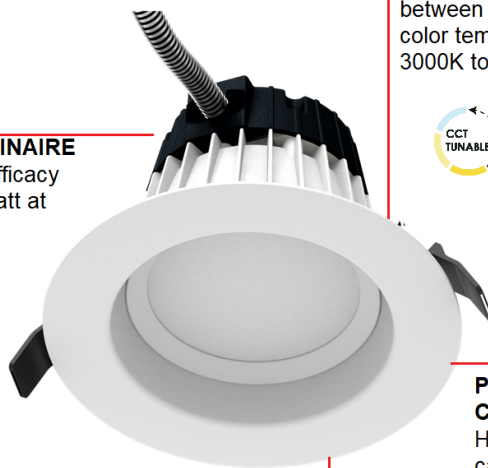
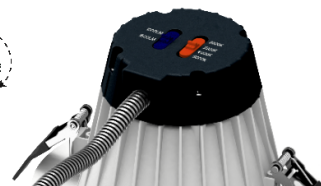
ENERGY-EFFICIENT LUMINAIRE

Energy Star certified high-efficacy output of >75 lumens per watt at 90CRI



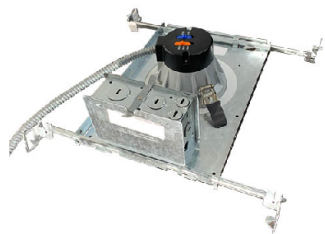
UNPARALLELED LIGHT FLEXIBILITY

Use the DIP switches on the top of the fixture's housing to switch between 2 lumen packages and 4 color temperature options from 3000K to 5000K.



RETROFIT OR NEW CONSTRUCTION

Durable stainless steel spring action housing clips for retrofit installations or purchase with the new construction frame kit for new constructions



PREMIUM DESIGN AND CONSTRUCTION

Housing made from aluminum die-cast for increased rigidity and strength.

Wet location rated and suitable for temperatures ranging from -20 to 40 degrees Celsius.



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