



INFINITA EVOLVE

LED COMMERCIAL DOWNLIGHT
RECESSED DOWNLIGHT



The Infinita EVOLVE Series LED downlight is the ideal solution for high end finish to the ceiling space. Driven to provide ultimate customization on site, the Infinita offers possibilities beyond the normal downlight in terms of flexible lumens output and flexible CCT adjustments. The Infinita comes with two possible reflector finish enable further customizations.

Project: _____

Qty: _____

Notes: _____

OPERATING & ELECTRICAL

Input voltage 120-277Vac

Power factor 0.9

Total harmonic distortion (THD) <20%

PERFORMANCE

Lumens per Watt ~63-88 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. Reflector made from spun aluminum available in white, specular and semi-diffused finish along with a white flange.

Finish

White and Semi diffused reflector with white flange

Power Supply driver

Factory wired electronic LED

LED Board

LED Array

Spring

Stainless steel spring-action clips

APPLICATION CONDITION

Ambient temperature range

-20°C to 40°C

Protection

Wet location rated

COMPATIBLE MOUNTING

Mounting

New construction or retrofit.

Mounted with stainless steel spring-action housing clips.

WARRANTY

System warranty

5 years

Lumen maintenance

Rated for 85% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L85 at 50,000 hours)

ORDERING GUIDE

EXAMPLE: AE-DL-IF-04-11W-010-P3050-WH

AE-DL-IF-	04-	11W-	010-	P3050	-WH
FIXTURE FAMILY	SHAPE & SIZE	POWER	CONTROLS	CRI CCT	REFLECTOR FINISH
AE-DL-IF- Aeralux Infinita EVOLVE recessed downlight	04- 4" Round housing	11W- 8/10/11 watt: 650/750/850 lumen – White reflector 500/600/700 lumen – Matt reflector	010- 0-10V External dimming down to 10%	P3050 90 CRI 3000K, 3500K, 4000K, 5000K	-WH White smooth cone reflector with white flange
					-SD Semi Diffused smooth cone reflector with white flange





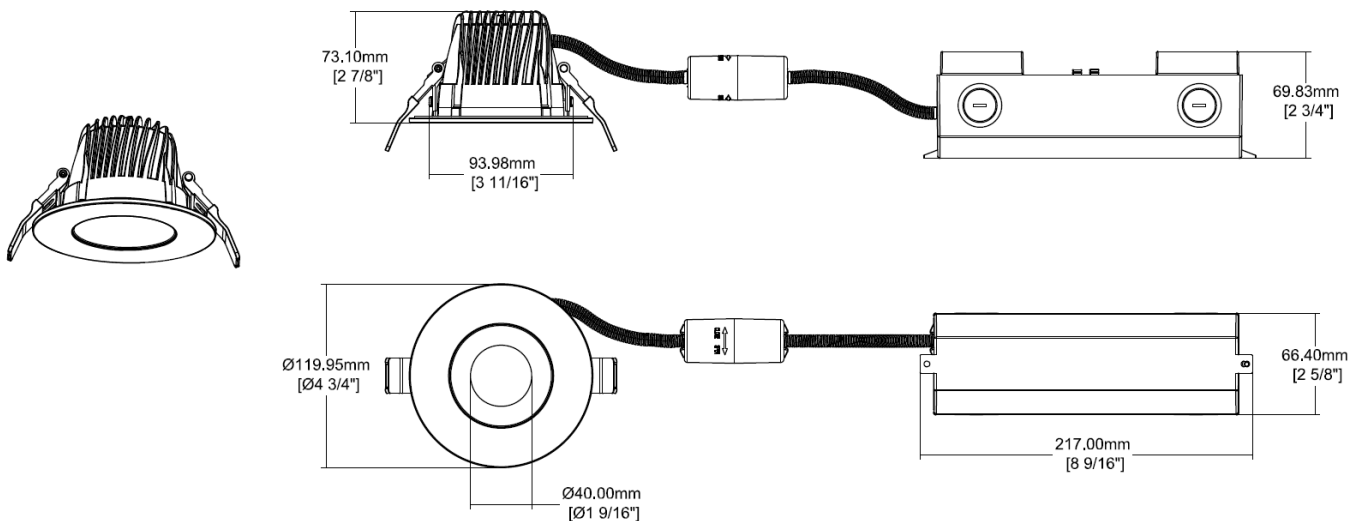
INFINITA EVOLVE

LED COMMERCIAL DOWNLIGHT

RECESSED DOWNLIGHT

PRODUCT DIMENSIONS

AE-DL-IF-04-11W-010-P3050-WH



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

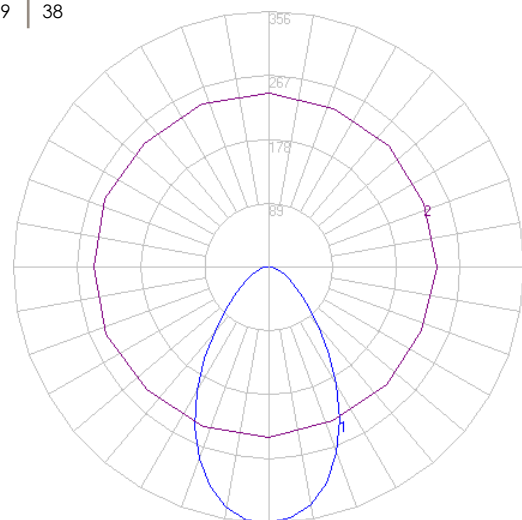
PHOTOMETRIC DATA

AE-DL-IF-03-6W-010-PXX-XX (6W, 3000K, White cone reflector)

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	111	107	104	101	105	99	101	96	97	93	89
	2	104	97	92	87	95	86	92	84	89	82	79
	3	97	88	82	76	87	76	84	74	81	73	70
	4	90	80	73	68	79	67	77	67	75	66	63
	5	84	74	66	61	73	61	71	60	69	59	57
	6	79	68	60	55	67	55	65	54	64	54	52
	7	74	63	55	50	62	50	61	50	59	50	48
	8	70	58	51	46	58	46	57	46	55	46	44
	9	66	54	47	43	54	43	53	42	52	42	40
	10	62	51	44	40	50	39	50	39	49	39	38

Luminance data			
Angle	0°	45°	90°
45°	39062	40307	42032
55°	25536	26207	27323
65°	19892	20344	21356
75°	16582	17019	18467
85°	17401	18253	21985

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	33.1	90-100	0
10-20	87.55	100-110	0
20-30	109.22	110-120	0
30-40	94.25	120-130	0
40-50	64.95	130-140	0
50-60	40.4	140-150	0
60-70	25.22	150-160	0
70-80	14.17	160-170	0
80-90	5.15	170-180	0



ACCESSORIES

Ordered separately, field installed

NEW CONSTRUCTION FRAME KIT

AE-DL-FRKT-03

AE-DL-FRKT-04

AE-DL-FRKT-06

AE-DL-FRKT-08

3" Round

4" Round

6" Round

8" Round

Housing

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

Junction box

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

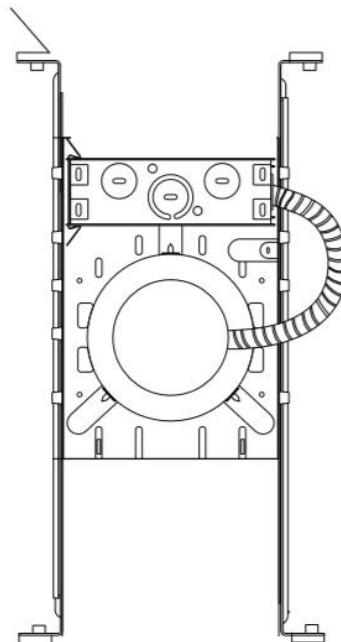
Hanger bars

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

DIMMERS

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

PHOTOGRAPHS

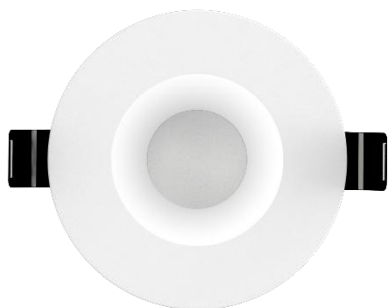




INFINITA EVOLVE

LED COMMERCIAL DOWNLIGHT

RECESSED DOWNLIGHT



Aeralux Inc.
1-514-447-7598 | 1-630-534-2589
www.aeralux.com

Aeralux Incorporation All Rights Reserved. Any information provided is subject to change without notice. All values are typical values when measured under normal laboratory conditions.

aeralux