

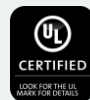
# INFINITA EVOLVE

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.

eralux®



DATE

PROJECT NAME

TYPE

QTY

ORDERING  
CODE

AE-DL-ID-04-11W-010-P3050-

## OPERATING & ELECTRICAL

INPUT VOLTAGE 120-277 V

POWER FACTOR 0.9

TOTAL HARMONIC  
DISTORTION (THD) <20%

## PERFORMANCE

LUMENS PER WATT ~63-88 LPW at 90CRI

BEAM ANGLE 90°

DIMMING 0-10V

## MECHANICAL & HOUSING

HOUSING Aluminum die cast housing

LENS Highly durable polycarbonate lens.  
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 Factory wired electronic LED driver

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

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

LUMEN MAINTENANCE – L85 at 50,000 hours

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).

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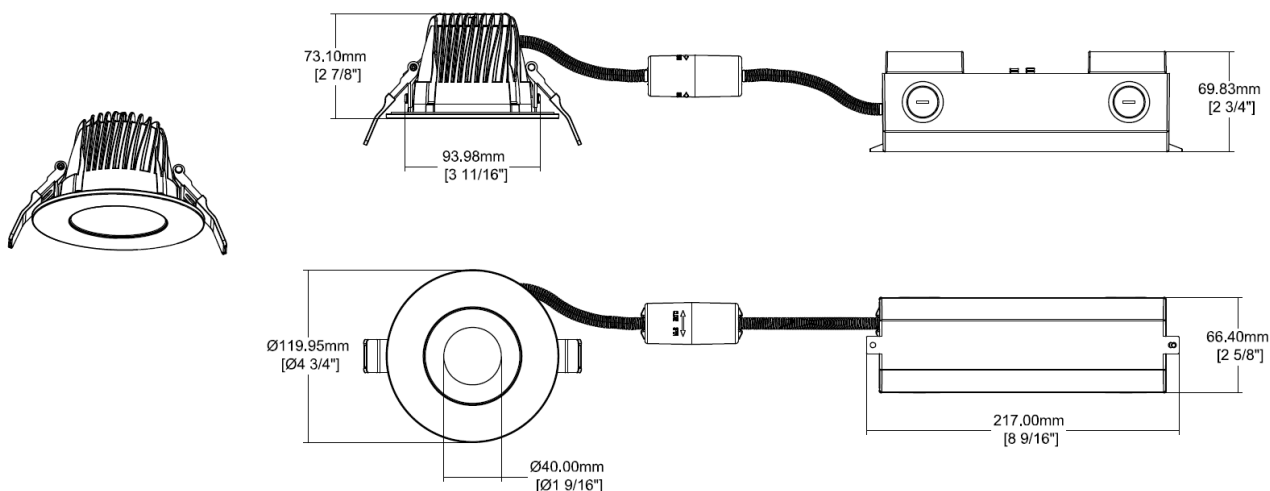
## ORDERING GUIDE

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

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

## PRODUCT DIMENSIONS

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



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## 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)	.97	1	1.03	1.05

## PHOTOMETRIC DATA

AE-DL-IF-04-11W-P3050-XX

ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY GRAPH
ZONE	LUMENS	% OF FIXTURE	
0-20°	225.47	26.10	
0-30°	422.63	49.00	
0-40°	588.11	68.20	
0-60°	773.97	89.70	
0-80°	851.51	98.70	
0-90°	862.87	100.00	

## DIMMERS

For list of compatible dimmers, please refer to <https://eralux.com/product/infinita-evolve/>

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## ACCESSORIES

Ordered separately, field installed

## NEW CONSTRUCTION FRAME KIT



**MATERIAL** 22-gauge galvanized steel housing  
Galvanized steel junction box with multiple knockouts

**MOUNTING** T-bar or drywall ceilings  
Up to 1.5" thick

**Ordering Code** AE-DL-FRKT-04

## NEW CONSTRUCTION UNIVERSAL FRAME KIT

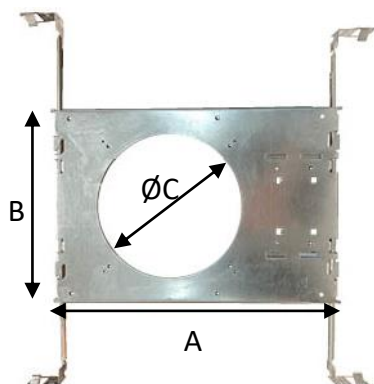


**MATERIAL** 22-gauge galvanized steel housing

**MOUNTING** T-bar or drywall ceilings  
Up to 1.5" thick

**Ordering Code** AE-DL-FRKT-04-UNV

## FRAME KIT DIMENSIONS



### DIMENSIONS

4" Round	A	12.75" [324 mm]
	B	8.63" [219 mm]
	C	Ø 4.50" [114 mm]
6" Round	A	12.75" [324mm]
	B	8.63" [219 mm]
	C	Ø 6.37" [162 mm]
8" Round	A	12.75" [324mm]
	B	8.63" [219 mm]
	C	Ø 7.25" [184 mm]

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## ACCESSORIES (Continued)

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### EMERGENCY LED DRIVER (BLD-HMXXD-YYY)

BLD-HM8D-YYY

OUTPUT POWER : 8 WATTS

BLD-HM25D-YYY

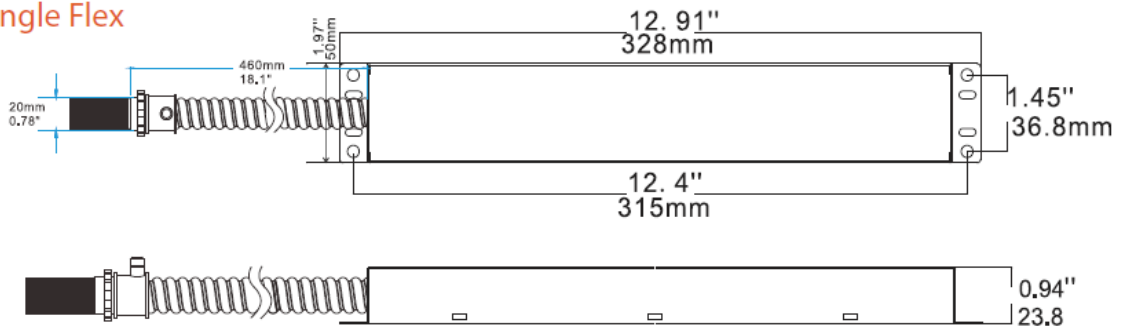
OUTPUT POWER : 25 WATTS



BLD-HMXXD-YYY series LED Emergency Driver is UL listed for field and factory installation that allows the same LED fixture to be used for both normal and emergency operation . In the event of a power failure , the emergency driver switches to emergency mode and operates the existing. Fixture to 90 minutes. The unit contains a battery , charge , and converter circuit in a single enclosure .This module will operate an LED array load at 6-25W with constant power at a rated output voltage of 170VDC. The constant power design of BLD-HMXXD-YYY maintains the output wattage to LED array, providing consistent illumination for entire emergency runtime. Ideal for use with most 0-10V dimmable indoor commercial LED lighting fixtures, such as LED flat panel, troffer, downlight and suspension mounting LED linear strip lights, etc.

### DIMENSIONS (inches and mm)

#### Single Flex



For list of compatible dimmers, please refer to <https://eralux.com/product/infinity-evolve/>

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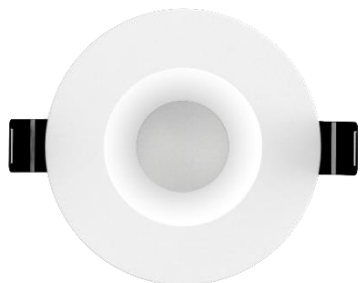
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## OVERVIEW



4" Round housing



### CCT SWITCHABLE

3000K, 3500K, 4000K, 5000K CCT options are available with 3 power options of 8/10/11 watt on single fixture. Easily fulfill all kinds of project requirement from our customers.

### RETROFIT OR NEW CONSTRUCTION

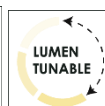
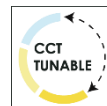
Durable stainless steel spring action housing clips for retrofit installations or purchase with the new construction frame kit for new constructions.

### VARIOUS REFLECTORS

White smooth cone reflector and semi diffused smooth cone reflector provides different desired lighting effect.

### HIGH-END FIXTURE

Radial engine shape conveniences wire arrangement and reduces engine weight without sacrificing aesthetics.



Construction Frame Kit

Ordered separately, field installed

