

INFINITA EVOLVE

LED COMMERCIAL DOWNLIGHT
RECESSED DOWNLIGHT



eralux®



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.

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 (Dim down to 10%)

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.
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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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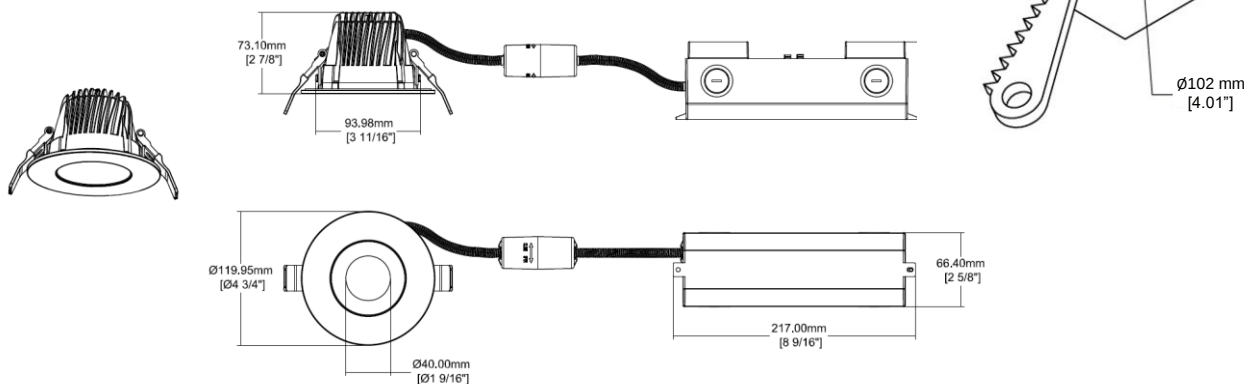
ORDERING GUIDE

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

FIXTURE FAMILY	SHAPE & SIZE	POWER	CONTROLS	CRI & CCT	REFLECTOR FINISH
AE-DL-IF-	04-	11W-	010-	P3050	-
AE-DL-IF ERALUX 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

PRODUCT AND CUT HOLE 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 UNIVERSAL FRAME KIT

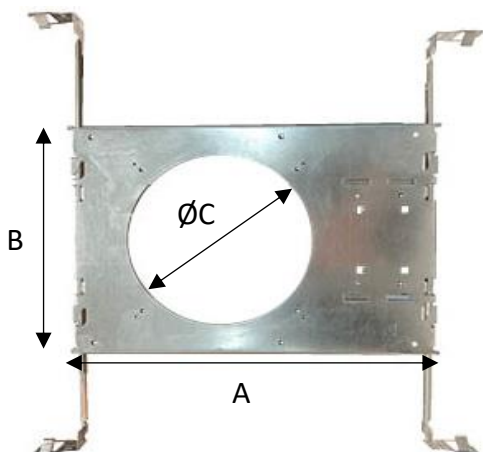


MATERIAL 22-gauge galvanized steel housing

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

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

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)

Ordered separately, field installed

EMERGENCY LED DRIVER (BLD-HMXXD-YYY)

BLD-HM8D-YYY

OUTPUT POWER : 8 WATTS

BLD-HM25D-YYY

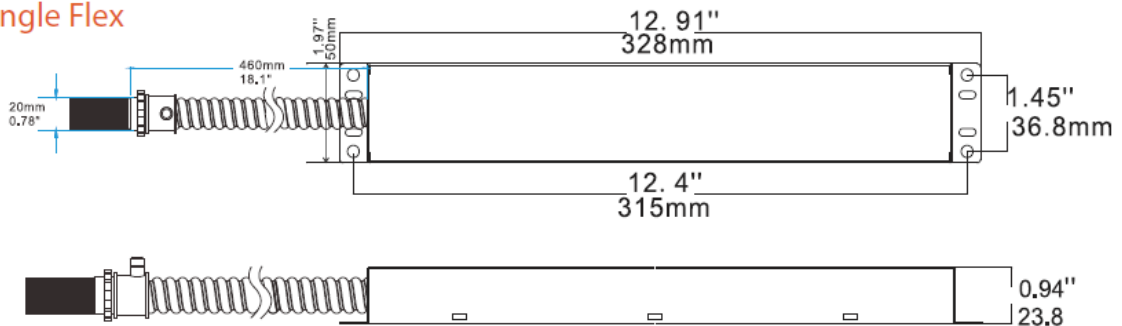
OUTPUT POWER : 25 WATTS



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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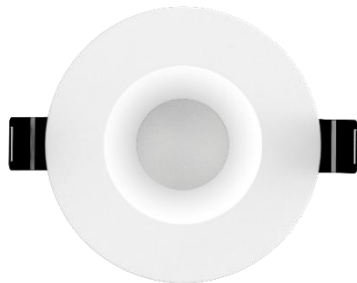
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OVERVIEW



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

