

TANGO E

An efficient canless downlight in 4, 6 and 8in, reaching about 120lm/W so projects need less energy and fewer fixtures. Power and CCT are set on site. Wet rated and IC rated, with an emergency battery available as an option.

Art Gallery

Office

Retail Store

Hospitality



Project Information

Type: _____ Date: _____
 Project: _____
 Catalog #: _____
 Notes: _____



Key Specifications

Electrical

Input voltage	120–277/347V
Power factor	> 0.9
THD	< 20%
Dimming	0-10V (down to 10%)
Power	10–32W, selectable

Optical

Lumen range	1150–3820lm
Efficacy	~110 (4in, 6in) · ~120lm/W (8in)
CRI	90
CCT	Switchable 2700K–5000K
Distribution	100° (4in) · 105° (6in, 8in)

Physical

Aperture	4 · 6 · 8in round
Height	3.79 · 4.10 · 4.74in
Mounting	New construction · Retrofit
Finish	Matte white trim
Reflector	Matte white baffle
Ambient	–20°C to 40°C
Application	IC rated · Wet rated
Accessories	Frame kit · EMBB · Sensor

Certifications

Listings	ETL · Energy Star · RoHS
Lumen maintenance	L70 at 50000h

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 thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

Lumen Maintenance

L70 at 50000h

Rated for 70% initial lumen output at 50000h of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

Ordering Guide - Fixture

Assembled Catalog Number

[RESET](#)

AE-DL-TGE

01 FIXTURE FAMILY



AE-DL-TGE

Tango E, canless recessed downlight · 120–277/347V

02 SIZE | POWER

4

in

-4-16W

10/13/16W

6

in

-6-20W

12/16/20W

8

in

-8-32W

18/25/32W

4in: 10/13/16W · 1150/1500/1850lm

6in: 12/16/20W · 1280/1700/2130lm

8in: 18/25/32W · 2150/2985/3820lm²

03 DIMMING

0-10V

dimming

-D

0-10V dimming (down to 10%)

04 CRI

90

CRI

-P

Premium 90 CRI

05 CCT

5

CCT

2750

Switchable 2700K · 3000K · 3500K · 4000K · 5000K¹

06 FINISH



-WH

Matte white

1. One fixture, five CCTs: 2700K, 3000K, 3500K, 4000K and 5000K are switchable. 2. Three power levels are selectable on each size; lumens at 2700K. Frame kit and emergency battery backup are ordered from page 03; the occupancy sensors are on page 07.

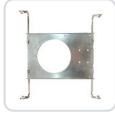
Accessory Ordering Guide

New Construction Frame Kit

[RESET](#)

AE-DL-FRKT

01 ACCESSORY FAMILY



AE-DL-FRKT

New construction frame kit, junction box included ¹

02 SIZE

4
in
-04
4in · Ø4.5in

6
in
-06
6in · Ø6.37in

8
in
-08
8in · Ø7.25in

Round frame kit for the 4in, 6in or 8in fixture

1. The junction box is included with the frame kit.

Emergency Battery Backup

[RESET](#)

BLD-HM

01 ACCESSORY FAMILY



BLD-HM

Emergency LED driver, remote installation · up to 90min of emergency lighting

02 POWER

8
W
08D-YYY
8W output

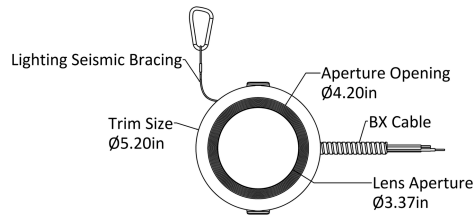
15
W
15D-YYY
15W output

25
W
25D-YYY
25W output

Accessories are ordered separately and field installed. Frame kit and emergency driver dimensions and specifications are on page 05; the occupancy sensors and the dimmer list are on page 07.

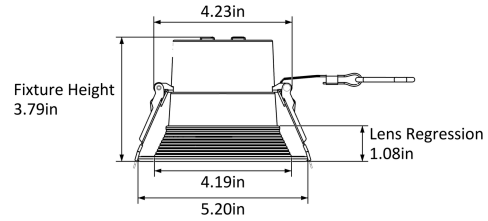
Dimensions

All dimensions in inches.



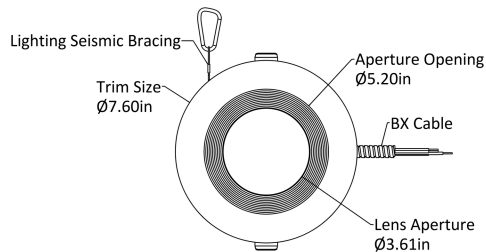
-4-16W Plan

Ø5.20in trim · Ø4.20in aperture opening · Ø3.37in lens



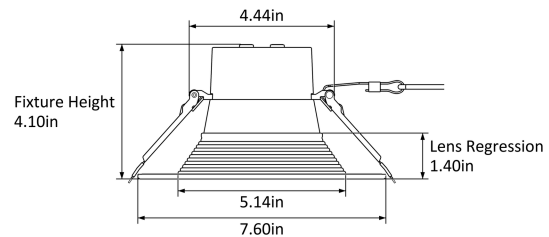
-4-16W Side

3.79in height · 1.08in lens regression



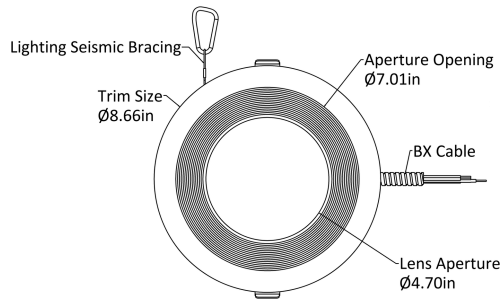
-6-20W Plan

Ø7.60in trim · Ø5.20in aperture opening · Ø3.61in lens



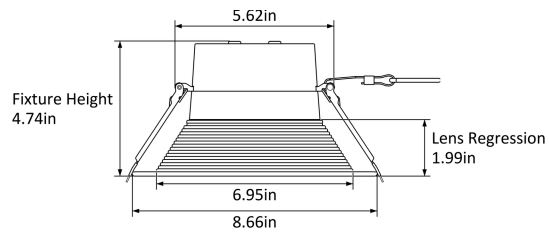
-6-20W Side

4.10in height · 1.40in lens regression



-8-32W Plan

Ø8.66in trim · Ø7.01in aperture opening · Ø4.70in lens



-8-32W Side

4.74in height · 1.99in lens regression

Cut-Out & Installation

Ceiling cut-out	Ø 4.4–4.8in (4in)
Ceiling cut-out	Ø 5.3–7in (6in)
Ceiling cut-out	Ø 7.1–8in (8in)
Fixing	Stainless steel spring clips

Housing	Aluminum
BX cable length	17–18in
Seismic bracing	19in
Junction box	With the frame kit

[Install Instruction link](#)

Accessory Dimensions

New Construction Frame Kit

AE-DL-FRKT-04

Frame kit, 4in round · Ø 4.5in opening

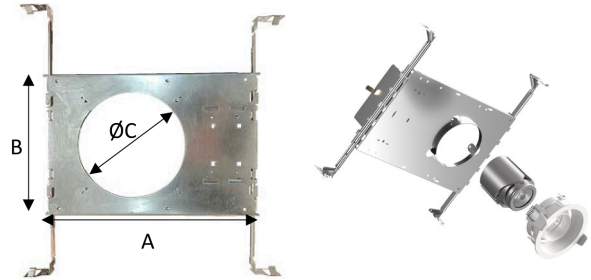
AE-DL-FRKT-06

Frame kit, 6in round · Ø 6.37in opening

AE-DL-FRKT-08

Frame kit, 8in round · Ø 7.25in opening

Material	22-gauge galvanized steel
Junction box	Galvanized steel, knockouts
Mounting	T-grid · Gypsum ceiling
Ceiling thickness	~1.5in max.
Length (A)	12.75in
Width (B)	8.63in
Opening (C)	Ø 4.5 · 6.37 · 7.25in



Emergency Battery Backup

BLD-HM08D-YYY

Emergency LED driver, 8W

BLD-HM15D-YYY

Emergency LED driver, 15W

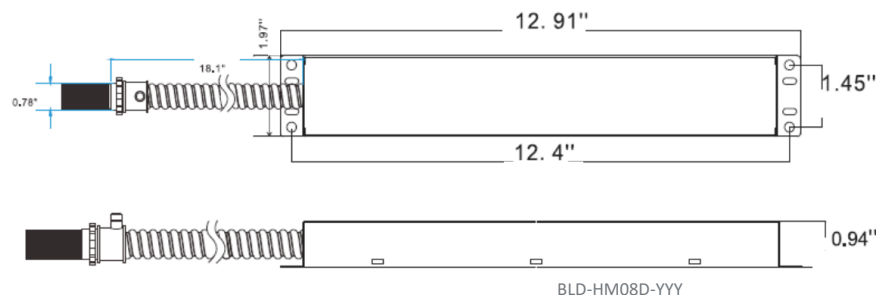
BLD-HM25D-YYY

Emergency LED driver, 25W

Input voltage	100–347V
Power frequency	50/60Hz
Input power	6W max · 12W · 12W
Output voltage	170V DC
Output power	8W · 15W · 25W
Ambient	0°C to 50°C · 30°F to 122°F
Installation	Remote



UL listed for field and factory installation. Switches to emergency mode during a power failure and provides up to 90min of light; battery, charger and converter are integrated.



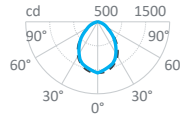
All dimensions in inches. Accessories are ordered separately and field installed.

Photometric Data

AE-DL-TGE-4-16W-D-P2750

4in · 16W

		ZONE	LUMENS	% FIXTURE
		0-20°	372.71	18.06
Wattage	16.2W	0-30°	770.07	37.32
CCT	5000K	0-40°	1202.71	58.29
Distribution	87°	0-60°	1842.64	89.31
Size	4in	0-80°	2048.90	99.31
		0-90°	2063.20	100.00

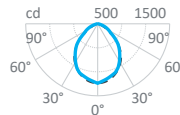


DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	170	4.6ft	4.9ft
5.0ft	42.6	9.1ft	9.8ft
7.5ft	18.9	13.7ft	14.7ft
10.0ft	10.6	18.2ft	19.6ft
12.5ft	6.81	22.8ft	24.5ft
15.0ft	4.73	27.3ft	29.4ft
Vert. spread		84.7°	
Horiz. spread		88.7°	

AE-DL-TGE-6-20W-D-P2750

6in · 20W

		ZONE	LUMENS	% FIXTURE
		0-20°	431.45	18.05
Wattage	19.5W	0-30°	893.44	37.38
CCT	5000K	0-40°	1405.02	58.78
Distribution	89°	0-60°	2159.59	90.34
Size	6in	0-80°	2375.90	99.39
		0-90°	2390.47	100.00

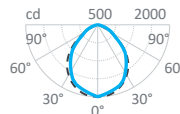


DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	198	4.9ft	4.9ft
5.0ft	49.5	9.8ft	9.8ft
7.5ft	22.0	14.7ft	14.8ft
10.0ft	12.4	19.6ft	19.7ft
12.5ft	7.93	24.5ft	24.6ft
15.0ft	5.51	29.3ft	29.5ft
Vert. spread		88.7°	
Horiz. spread		89.1°	

AE-DL-TGE-8-32W-D-P2750

8in · 32W

		ZONE	LUMENS	% FIXTURE
		0-20°	707.15	17.23
Wattage	32.2W	0-30°	1478.74	36.03
CCT	5000K	0-40°	2351.52	57.29
Distribution	93°	0-60°	3687.72	89.85
Size	8in	0-80°	4075.36	99.29
		0-90°	4104.33	100.00



DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	319	5.1ft	5.5ft
5.0ft	79.9	10.2ft	10.9ft
7.5ft	35.5	15.3ft	16.4ft
10.0ft	20.0	20.4ft	21.8ft
12.5ft	12.8	25.5ft	27.3ft
15.0ft	8.87	30.6ft	32.8ft
Vert. spread		91.2°	
Horiz. spread		95.1°	

Sensor & Dimming

Bluetooth Sensors ARIA PLUS · BLE

Ceiling sensors with power pack

Product	Detection type	Detection range	Bluetooth range	Dimming protocol	Compatible power pack		
					 PPA103S 360W 120–347V	 PPA102S 720W 120–277V	 PPA104S.B1 2400W 120–277V
 EFS107 Recessed	PIR	50ft	200ft	0-10V Dimming	●	●	●
 EFS107E Surface mount Daisy chain	PIR Ultrasonic	64ft	200ft	0-10V Dimming	●	●	●

Non-Bluetooth Sensors set up by IR remote

Product	Detection type	Detection range	Set-up	Dimming protocol	Installation
 Detecta AE-CT-DT806	PIR Microphonics	9.8–32.75ft	IR remote	On/Off	Ceiling · no power pack
Remote control RC102					

Please refer to spec sheet for exact specifications for all items above.

Dimmer List

Dimmer Compatibility — 0-10V

Lutron	RMJS-8TN-DV-B · DVSTV-36WH29 · DVSTV-WH
Legrand	RH4FBL3PTCCCV6 · RH4FBL3PTC
Leviton	IP710-LFZ

Compatibility verified by Eralux at time of publication. For dimmers not listed, contact the factory.