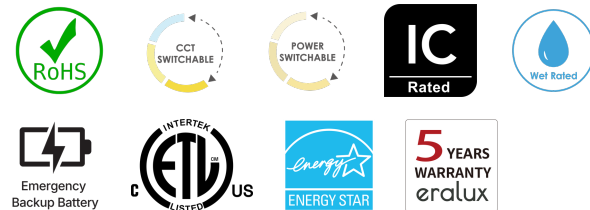


TANGO X

Fast-shipping and budget-friendly, TANGO X is a 4in or 6in recessed downlight with power and CCT set on site. Wet rated and IC rated with the junction box included, it suits projects where price and lead time come first.



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	7–18W, selectable

Optical

Lumen range	595–1705lm
Efficacy	~80 (4in) · ~94lm/W (6in)
CRI	90
CCT	Switchable 2700K–5000K
Distribution	95°

Physical

Aperture	4 · 6in round
Trim	Ø 5.20 · Ø 7.36in
Mounting	New construction · Retrofit
Finish	Matte white trim
Reflector	Matte white
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).

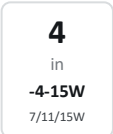
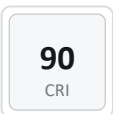
Ordering Guide - Fixture

Assembled Catalog Number

[RESET](#)

AE-DL-TGX

Catalog #:

01	FIXTURE FAMILY		AE-DL-TGX Tango X, recessed downlight
02	VOLTAGE		-CA 120-277/347V
03	SIZE POWER	 	4in: 7/11/15W · 595/940/1200lm 6in: 10/14/18W · 910/1390/1705lm ²
04	DIMMING		-010 0-10V dimming (down to 10%)
05	CRI		-9 Premium 90 CRI
06	CCT		2750 Switchable 2700K · 3000K · 3500K · 4000K · 5000K ¹
07	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 3500K. A junction box is included as standard. Frame kit and emergency battery backup are ordered from page 03; the occupancy sensor is on page 08.

Accessory Ordering Guide

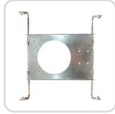
New Construction Frame Kit

[RESET](#)

AE-DL-FRKT

Catalog #:

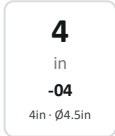
01 ACCESSORY FAMILY



AE-DL-FRKT

New construction universal frame kit

02 SIZE

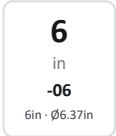


4

in

-04

4in · Ø4.5in



6

in

-06

6in · Ø6.37in

Round frame kit for the 4in or 6in fixture

03 TYPE



UNV
universal

-UNV

Universal: T-grid or gypsum ceiling ¹

1. The frame kit does not include a junction box; Tango X comes with a junction box as standard.

Emergency Battery Backup

[RESET](#)

BLD-HM

Catalog #:

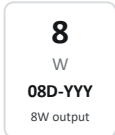
01 ACCESSORY FAMILY



BLD-HM

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

02 POWER

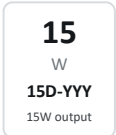


8

W

08D-YYY

8W output



15

W

15D-YYY

15W output



25

W

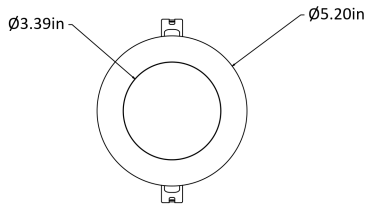
25D-YYY

25W output

Accessories are ordered separately and field installed. Frame kit and emergency driver dimensions and specifications are on page 05; the occupancy sensor and the dimmer list are on page 08.

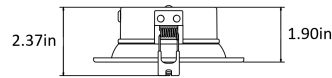
Dimensions

All dimensions in inches.



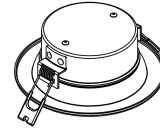
-4-15W Plan

Ø5.20in trim · Ø3.39in aperture



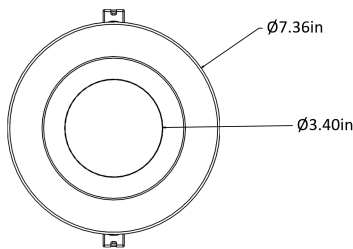
-4-15W Side

Heights 2.37in and 1.90in



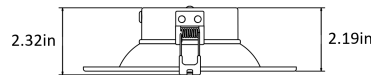
-4-15W View

Stainless steel spring clips



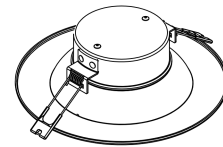
-6-18W Plan

Ø7.36in trim · Ø3.40in aperture



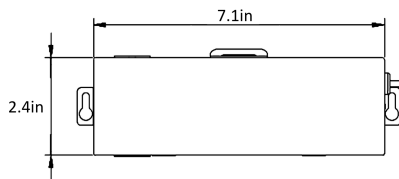
-6-18W Side

Heights 2.32in and 2.19in



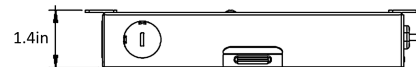
-6-18W View

Stainless steel spring clips



Driver

Driver / junction box 7.1in × 2.4in, same for 4in and 6in



Driver

1.4in height

Cut-Out & Installation

Ceiling cut-out **Ø 4.6–4.8in (4in)**

Ceiling cut-out **Ø 5.5–6in (6in)**

Fixing **Stainless steel spring clips**

Junction box **Included as standard**

[Install Instruction link](#)



4in with remote driver

6in with remote driver

Accessory Dimensions

New Construction Frame Kit

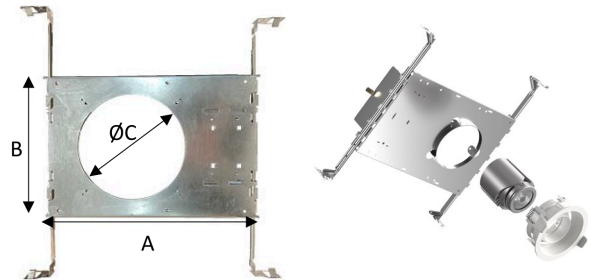
AE-DL-FRKT-04-UNV

Universal frame kit, 4in round · Ø 4.5in opening

AE-DL-FRKT-06-UNV

Universal frame kit, 6in round · Ø 6.37in opening

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



Emergency Battery Backup

BLD-HM08D-YYY

Emergency LED driver, 8W

BLD-HM15D-YYY

Emergency LED driver, 15W

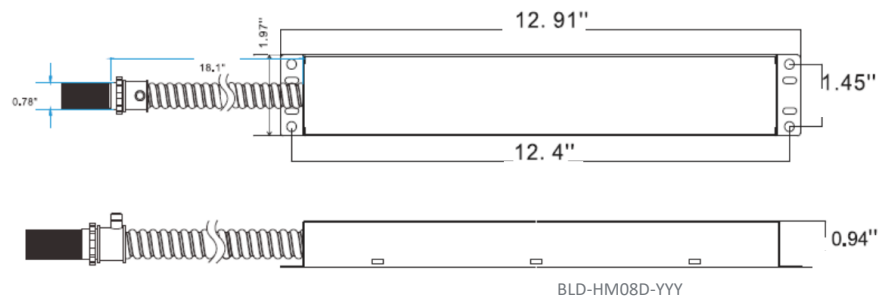
BLD-HM25D-YYY

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.



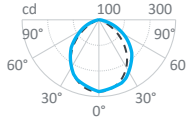
All dimensions in inches. Accessories are ordered separately and field installed.

Photometric Data

AE-DL-TGX-CA-4-15W-010-92750-XX

4in · 7W

	ZONE	LUMENS	% FIXTURE
	0-20°	99.20	16.59
Wattage	6.6W	0-30°	206.68
CCT	4000K	0-40°	328.06
Distribution	95°	0-60°	526.33
Size	4in	0-80°	593.62
	0-90°	597.94	100.00

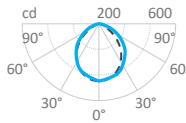


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	97.1	4.1ft	3.4ft
3.3ft	25.8	8.0ft	6.6ft
5.0ft	11.2	12.2ft	10.0ft
6.7ft	6.25	16.3ft	13.4ft
8.3ft	4.07	20.2ft	16.5ft
10.0ft	2.81	24.3ft	19.9ft
Vert. spread			101.1°
Horiz. spread			89.8°

AE-DL-TGX-CA-4-15W-010-92750-XX

4in · 11W

	ZONE	LUMENS	% FIXTURE
	0-20°	158.04	16.70
Wattage	10.8W	0-30°	329.13
CCT	4000K	0-40°	521.94
Distribution	95°	0-60°	834.62
Size	4in	0-80°	939.48
	0-90°	946.15	100.00

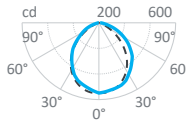


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	155	4.1ft	3.4ft
3.3ft	41.1	8.0ft	6.5ft
5.0ft	17.9	12.1ft	9.9ft
6.7ft	9.96	16.2ft	13.2ft
8.3ft	6.49	20.1ft	16.4ft
10.0ft	4.47	24.2ft	19.7ft
Vert. spread			100.9°
Horiz. spread			89.2°

AE-DL-TGX-CA-4-15W-010-92750-XX

4in · 15W

	ZONE	LUMENS	% FIXTURE
	0-20°	196.05	16.25
Wattage	14.1W	0-30°	410.37
CCT	4000K	0-40°	654.04
Distribution	96°	0-60°	1055.95
Size	4in	0-80°	1196.11
	0-90°	1206.45	100.00

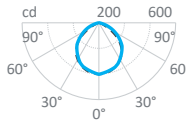


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	190	4.2ft	3.4ft
3.3ft	50.4	8.1ft	6.6ft
5.0ft	21.9	12.2ft	10.1ft
6.7ft	12.2	16.4ft	13.5ft
8.3ft	7.96	20.3ft	16.7ft
10.0ft	5.49	24.5ft	20.1ft
Vert. spread			101.5°
Horiz. spread			90.4°

AE-DL-TGX-CA-6-18W-010-92750-XX

6in · 10W

	ZONE	LUMENS	% FIXTURE
	0-20°	143.65	15.64
Wattage	9.2W	0-30°	303.55
CCT	4000K	0-40°	491.75
Distribution	100°	0-60°	815.93
Size	6in	0-80°	914.56
	0-90°	918.62	100.00



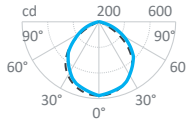
DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	139	4.3ft	3.9ft
3.3ft	36.9	8.3ft	7.5ft
5.0ft	16.1	12.5ft	11.4ft
6.7ft	8.96	16.8ft	15.3ft
8.3ft	5.84	20.8ft	18.9ft
10.0ft	4.02	25.0ft	22.8ft
Vert. spread			102.7°
Horiz. spread			97.6°

Photometric Data

AE-DL-TGX-CA-6-18W-010-92750-XX

6in · 14W

		ZONE	LUMENS	% FIXTURE
		0-20°	206.24	15.40
Wattage	13.5W	0-30°	436.33	32.59
CCT	4000K	0-40°	708.14	52.89
Distribution	101°	0-60°	1183.94	88.43
Size	6in	0-80°	1332.95	99.56
		0-90°	1338.84	100.00

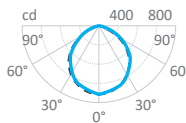


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	199	4.3ft	4.0ft
3.3ft	52.9	8.3ft	7.8ft
5.0ft	23.1	12.6ft	11.8ft
6.7ft	12.8	16.9ft	15.8ft
8.3ft	8.37	20.9ft	19.6ft
10.0ft	5.76	25.2ft	23.6ft
Vert. spread		103.1°	
Horiz. spread		99.5°	

AE-DL-TGX-CA-6-18W-010-92750-XX

6in · 18W

		ZONE	LUMENS	% FIXTURE
		0-20°	253.67	15.25
Wattage	17.4W	0-30°	534.43	32.12
CCT	4000K	0-40°	863.54	51.91
Distribution	102°	0-60°	1448.65	87.08
Size	6in	0-80°	1654.21	99.43
		0-90°	1663.62	100.00



DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	247	4.2ft	4.2ft
3.3ft	65.6	8.2ft	8.1ft
5.0ft	28.6	12.4ft	12.3ft
6.7ft	15.9	16.6ft	16.5ft
8.3ft	10.4	20.5ft	20.4ft
10.0ft	7.14	24.7ft	24.6ft
Vert. spread		102.1°	
Horiz. spread		101.8°	

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.