

DISCO

Wet rated to IP65 and Energy Star listed, DISCO is a round surface downlight in five sizes from 5in to 15in: 9W to 25W and 700lm to 2000lm at 90 CRI. 0-10V dimming down to 10%, five switchable CCTs from 2700K to 5000K, junction box mounting.

Office

Residential

Washroom

Shopping Center



Key Specifications

Electrical

Input voltage	120–277V
Power factor	> 0.9
THD	< 20%
Dimming	0-10V (down to 10%)
Power	9 · 14 · 17 · 21 · 25W

Optical

Lumen range	9W - 700lm to 25W - 2000lm
Efficacy	~80–85lm/W
CRI	90
CCT	Switchable 2700K–5000K
Distribution	120°

Physical

Size	5in · 7in · 9in · 12in · 15in round
Mounting	Junction box · mounting plate
Finish	White · Black
Lens	Acrylic
Housing	Aluminum
Ambient	–20°C to 45°C
Application	Wet rated · IP65
Accessories	EMBB · Sensor

Certifications

Listings	UL · Energy Star · JA8 · RoHS
Lumen maintenance	L85 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

L85 at 50000h

Rated for 85% 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-DS

01 FIXTURE FAMILY



AE-DL-DS

Disco, round surface mount downlight

02 SIZE | POWER

5

in

5-9W

9W · 700lm

7

in

7-14W

14W · 1200lm

9

in

9-17W

17W · 1400lm

12

in

12-21W

21W · 1800lm

15

in

15-25W

25W · 2000lm

03 VOLTAGE

120-277

V

UV

120-277V

04 CRI | CCT

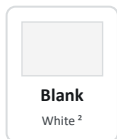
5

CCT

PXX

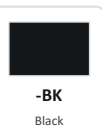
Premium 90 CRI · switchable 2700K · 3000K · 3500K · 4000K · 5000K¹

05 FINISH



Blank

White²



-BK

Black

1. One fixture, five CCTs: 2700K, 3000K, 3500K, 4000K and 5000K are switchable. 2. White has no finish code, e.g. AE-DL-DS5-9WUVPXX is the white fixture. Surface mount to a junction box with the round mounting plate, compatible with all sizes. Emergency battery backup is ordered from page 02; the occupancy sensor and the dimmer list are on page 07.

Accessory Ordering Guide

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

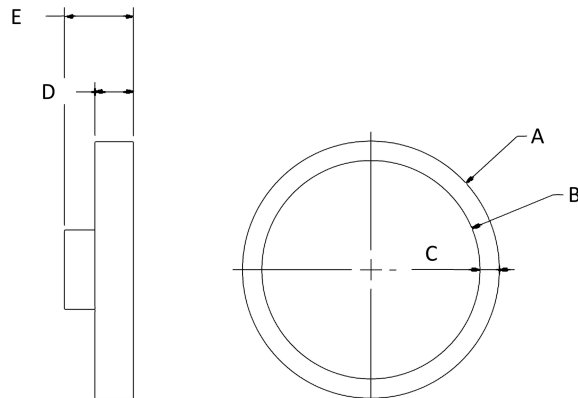
25D-YYY

25W output

Accessories are ordered separately and field installed. Emergency driver dimensions and specifications are on page 04; the occupancy sensor and the dimmer list are on page 07; the RC102 remote control for the sensor is ordered separately.

Dimensions

All dimensions in inches. Installation instructions: [Install Instruction Disco Series 12in & 15in](#) · [Install Instruction Disco Series](#)



Side · Plan

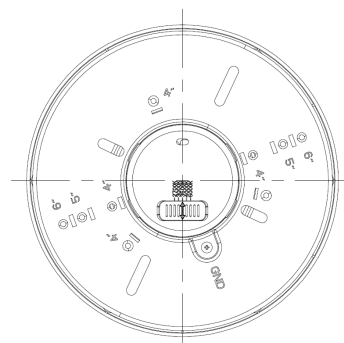
All sizes · dimensions A–E by size below

Dimensions by Size

	AE-DL-DS5-9W	AE-DL-DS7-14W	AE-DL-DS9-17W	AE-DL-DS12-21W	AE-DL-DS15-25W
A	Ø 6.14in	Ø 7.08in	Ø 8.85in	Ø 11.6in	Ø 14.5in
B	Ø 4.76in	Ø 5.66in	Ø 7.44in	Ø 10in	Ø 12.7in
C	0.68in	0.71in	0.7in	0.78in	0.81in
D	0.78in	0.78in	0.78in	0.87in	0.87in
E	1.92in	1.88in	1.88in	1.97in	1.9in

Mounting & Installation

Mounting	Surface mount to junction box
Mounting plate	Round, for rigid installation
Plate fits	All sizes
Screw locations	4in · 5in · 6in from center



Accessory Dimensions

Emergency Battery Backup

BLD-HM08D-YYY

BLD-HM15D-YYY

BLD-HM25D-YYY

Emergency LED driver, 8W

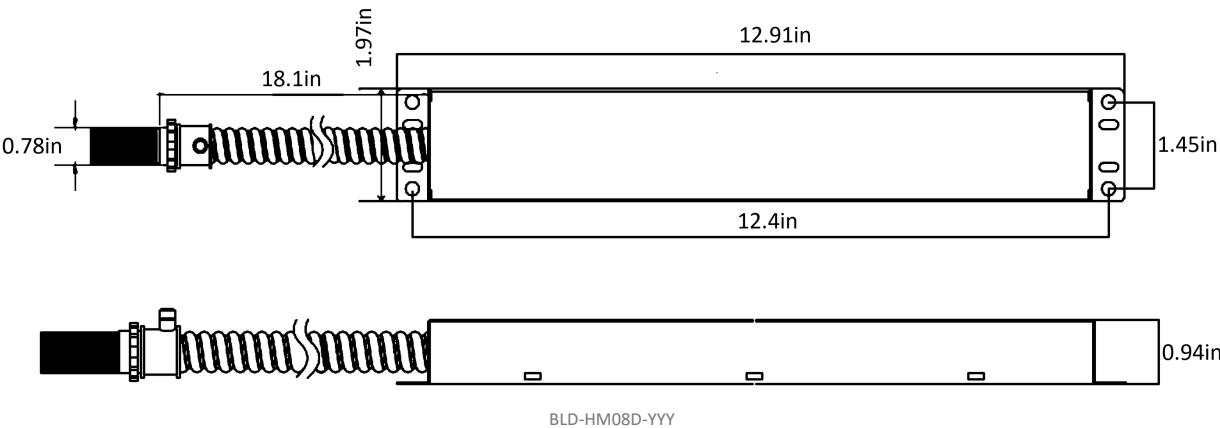
Emergency LED driver, 15W

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. With an integrated battery, charger and converter, it delivers 8W, 15W or 25W constant power at 170V DC. Ideal for 0-10V dimmable indoor commercial LED fixtures, such as flat panels, troffers, downlights, and linear strip lights.



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

Photometric Data

Lumen Estimate Adjustment Factors

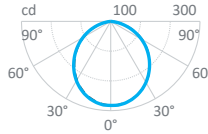
2700K × 0.96 3000K × 1 3500K × 1.03 4000K × 1.06 5000K × 1.09

Factors for 90 CRI. Lumen output varies based on CCT and CRI; multiply by the factor for the CCT selected.

AE-DL-DS5-9WUVPXX

5" · 9W

	WATTAGE	ZONE	LUMENS	% FIXTURE
Wattage	8.3W	0-20°	102.62	13.46
CCT	2700K	0-30°	216.43	28.38
Distribution	107°	0-40°	351.35	46.07
Size	5in	0-60°	609.24	79.89
		0-80°	745.47	97.75
		0-90°	754.76	98.97

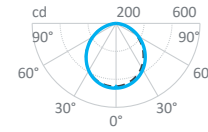


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	97.7	4.6ft 4.6ft
3.3ft	25.9	9.0ft 8.9ft
5.0ft	11.3	13.6ft 13.5ft
6.7ft	6.29	18.3ft 18.1ft
8.3ft	4.10	22.6ft 22.4ft
10.0ft	2.82	27.3ft 27.0ft
Vert. spread		107.5°
Horiz. spread		107.0°

AE-DL-DS7-14WUVPXX

7" · 14W

	WATTAGE	ZONE	LUMENS	% FIXTURE
Wattage	13.7W	0-20°	165.13	13.26
CCT	2700K	0-30°	349.44	28.06
Distribution	107°	0-40°	568.89	45.68
Size	7in	0-60°	988.31	79.35
		0-80°	1214.61	97.52
		0-90°	1232.68	98.97

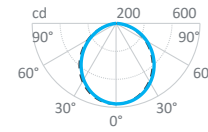


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	157	4.7ft 4.5ft
3.3ft	41.6	9.1ft 8.8ft
5.0ft	18.1	13.8ft 13.4ft
6.7ft	10.1	18.5ft 17.9ft
8.3ft	6.58	22.9ft 22.2ft
10.0ft	4.53	27.5ft 26.7ft
Vert. spread		108.0°
Horiz. spread		106.4°

AE-DL-DS9-17WUVPXX

9" · 17W

	WATTAGE	ZONE	LUMENS	% FIXTURE
Wattage	17.7W	0-20°	209.80	13.26
CCT	2700K	0-30°	443.00	27.99
Distribution	108°	0-40°	720.03	45.50
Size	9in	0-60°	1251.62	79.09
		0-80°	1542.59	97.47
		0-90°	1566.04	98.95

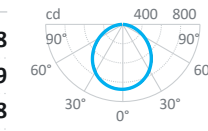


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	199	4.7ft 4.7ft
3.3ft	52.9	9.1ft 9.1ft
5.0ft	23.0	13.8ft 13.7ft
6.7ft	12.8	18.4ft 18.4ft
8.3ft	8.36	22.8ft 22.8ft
10.0ft	5.76	27.5ft 27.5ft
Vert. spread		108.0°
Horiz. spread		107.9°

AE-DL-DS12-21WUVPXX

12" · 21W

	WATTAGE	ZONE	LUMENS	% FIXTURE
Wattage	20.8W	0-20°	245.39	13.38
CCT	2700K	0-30°	518.84	28.29
Distribution	107°	0-40°	843.37	45.98
Size	12in	0-60°	1458.71	79.54
		0-80°	1795.66	97.91
		0-90°	1833.34	99.96



DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	233	4.6ft 4.6ft
3.3ft	61.8	8.9ft 9.0ft
5.0ft	26.9	13.6ft 13.6ft
6.7ft	15.0	18.2ft 18.2ft
8.3ft	9.77	22.5ft 22.5ft
10.0ft	6.73	27.1ft 27.1ft
Vert. spread		107.1°
Horiz. spread		107.2°

15" · 25W

DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	257	4.6ft	4.6ft
3.3ft	68.2	8.9ft	8.9ft
5.0ft	29.7	13.5ft	13.5ft
6.7ft	16.5	18.1ft	18.1ft
8.3ft	10.8	22.5ft	22.4ft
10.0ft	7.43	27.1ft	27.0ft
Vert. spread			107.1°
Horiz. spread			107.0°

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-8T-DV-B · Diva DVSTV · MS-Z101-WH · DVSTV-WH · IP710-DLZ
LUXdrive™	A019

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