

DISCO ECO

A wet rated round surface downlight for offices, shops and homes: DISCO ECO runs at 120V from 5in to 15in and 9W to 25W, with TRIAC dimming, 80 CRI and five CCTs set in the field.

Office

Retail Store

Hotel

Restaurant

Home Interior

Library



Key Specifications

Electrical

Input voltage	120V
Power factor	> 0.7
THD	< 20%
Dimming	TRIAC
Power	9 · 14 · 17 · 21 · 25W

Optical

Efficacy	~80–85lm/W
CRI	80
CCT	Switchable 2700K–5000K
Distribution	120°

Physical

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

Certifications

Listings	UL · Energy Star · 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-DSE

01 FIXTURE FAMILY



AE-DL-DSE

Disco Eco, 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 · 2200lm

03 VOLTAGE

120
V

-12

120V

04 CCT

5

CCT

-2750

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

05 FINISH



Blank

White²



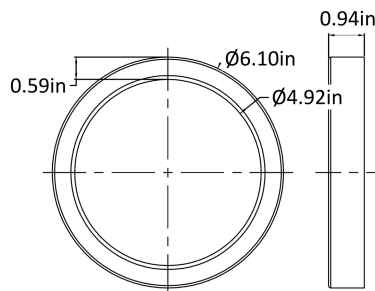
-BK

Black

1. One fixture, five CCTs: 2700K, 3000K, 3500K, 4000K and 5000K are switchable. 2. White has no finish code, e.g. AE-DL-DSE5-9W-12-2750 is the white fixture. Surface mount to a junction box with the round mounting plate, compatible with all sizes. Accessories, ordered separately and field installed: line voltage occupancy sensor with its RC102 remote control; the standalone sensor on page 05 works with this 120V TRIAC fixture, 800W max at 120V. The sensor and the dimmer list are on page 05.

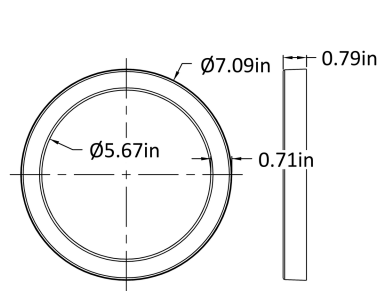
Dimensions

All dimensions in inches, from the CAD drawing of each size. A outer diameter · B inner diameter · C rim · D height.



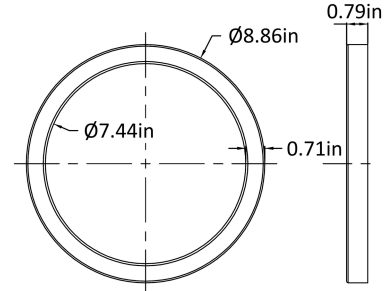
AE-DL-DSE5-9W 5in

Plan and side view



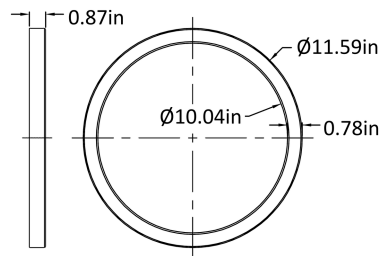
AE-DL-DSE7-14W 7in

Plan and side view



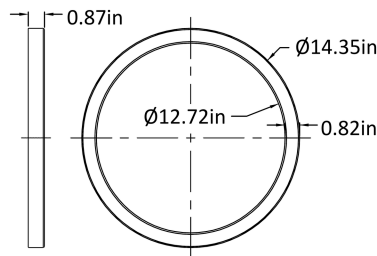
AE-DL-DSE9-17W 9in

Plan and side view



AE-DL-DSE12-21W 12in

Plan and side view



AE-DL-DSE15-25W 15in

Plan and side view

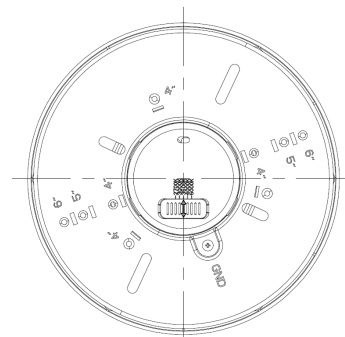
Dimensions by Size

	AE-DL-DSE5-9W	AE-DL-DSE7-14W	AE-DL-DSE9-17W	AE-DL-DSE12-21W	AE-DL-DSE15-25W
A	Ø 6.10in	Ø 7.09in	Ø 8.86in	Ø 11.59in	Ø 14.35in
B	Ø 4.92in	Ø 5.67in	Ø 7.44in	Ø 10.04in	Ø 12.72in
C	0.59in	0.71in	0.71in	0.78in	0.82in
D	0.94in	0.79in	0.79in	0.87in	0.87in

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

[Installation instructions](#)



Photometric Data

Lumen Estimate Adjustment Factors

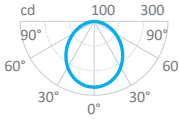
2700K × 0.96 3000K × 1 3500K × 1.03 4000K × 1.06 5000K × 1.09

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

AE-DL-DSE5-9W-12-2750

5in • 9W

	ZONE	LUMENS	% FIXTURE
	0-20°	97.03	13.86
Wattage	9W	0-30°	203.45
	0-40°	327.60	46.80
CCT	2700K	0-60°	557.70
Distribution	103°	0-80°	681.14
Size	5in	0-90°	693.04

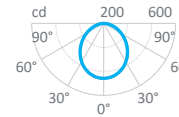


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	92.7	4.2ft 4.3ft
3.3ft	24.6	8.2ft 8.3ft
5.0ft	10.7	12.5ft 12.5ft
6.7ft	5.97	16.7ft 16.8ft
8.3ft	3.89	20.7ft 20.8ft
10.0ft	2.68	24.9ft 25.1ft
Vert. spread		102.6°
Horiz. spread		102.8°

AE-DL-DSE7-14W-12-2750

7in • 14W

	ZONE	LUMENS	% FIXTURE
	0-20°	166.34	13.86
Wattage	14W	0-30°	348.77
	0-40°	561.60	46.80
CCT	2700K	0-60°	956.06
Distribution	103°	0-80°	1167.67
Size	7in	0-90°	1188.07

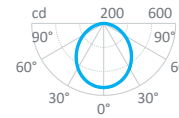


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	159	4.2ft 4.3ft
3.3ft	42.2	8.2ft 8.3ft
5.0ft	18.4	12.5ft 12.5ft
6.7ft	10.2	16.7ft 16.8ft
8.3ft	6.67	20.7ft 20.8ft
10.0ft	4.59	24.9ft 25.1ft
Vert. spread		102.6°
Horiz. spread		102.8°

AE-DL-DSE9-17W-12-2750

9in • 17W

	ZONE	LUMENS	% FIXTURE
	0-20°	194.07	13.86
Wattage	17W	0-30°	406.90
	0-40°	655.20	46.80
CCT	2700K	0-60°	1115.41
Distribution	103°	0-80°	1362.30
Size	9in	0-90°	1386.10

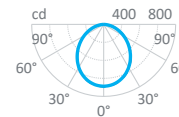


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	185	4.2ft 4.3ft
3.3ft	49.2	8.2ft 8.3ft
5.0ft	21.4	12.5ft 12.5ft
6.7ft	11.9	16.7ft 16.8ft
8.3ft	7.78	20.7ft 20.8ft
10.0ft	5.36	24.9ft 25.1ft
Vert. spread		102.6°
Horiz. spread		102.8°

AE-DL-DSE12-21W-12-2750

12in • 21W

	ZONE	LUMENS	% FIXTURE
	0-20°	249.51	13.86
Wattage	21W	0-30°	523.15
	0-40°	842.40	46.80
CCT	2700K	0-60°	1434.09
Distribution	103°	0-80°	1751.50
Size	12in	0-90°	1782.11



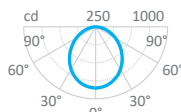
DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	238	4.2ft 4.3ft
3.3ft	63.3	8.2ft 8.3ft
5.0ft	27.6	12.5ft 12.5ft
6.7ft	15.4	16.7ft 16.8ft
8.3ft	10.0	20.7ft 20.8ft
10.0ft	6.89	24.9ft 25.1ft
Vert. spread		102.6°
Horiz. spread		102.8°

Photometric Data

AE-DL-DSE15-25W-12-2750

15in · 25W

		ZONE	LUMENS	% FIXTURE
		0-20°	308.37	13.86
Wattage	24.5W	0-30°	646.56	29.06
CCT	2700K	0-40°	1041.11	46.80
Distribution	103°	0-60°	1772.38	79.67
Size	15in	0-80°	2164.68	97.31
		0-90°	2202.50	99.01



DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	295	4.2ft	4.3ft
3.3ft	78.2	8.2ft	8.3ft
5.0ft	34.1	12.5ft	12.5ft
6.7ft	19.0	16.7ft	16.8ft
8.3ft	12.4	20.7ft	20.8ft
10.0ft	8.52	24.9ft	25.1ft
Vert. spread		102.6°	
Horiz. spread		102.8°	

Sensor & 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 — TRIAC

Lutron	S-600PR-WH · CTCL-153PR-WH · DVWCL-153PH-WH · DVCL-153PR-BL · TG600PR-LA · TGCL-153PH-WH
	CT600P-WH
Leviton	6631-1LW · 6674-POT · 6672-1LW · 6683-IW

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