

DISCO SQUARE

Project Information

Type: Date:
Project:
Catalog #:
Notes:

A square profile for offices, washrooms and homes: DISCO SQUARE mounts to a junction box in 7in, 9in and 11in sizes, from 12W/990lm to 22W/1800lm at 90 CRI, with TRIAC dimming and five switchable CCTs from 2700K to 5000K.



Key Specifications

Electrical

Input voltage	120V
Power factor	> 0.9
THD	< 20%
Dimming	TRIAC
Power	12 · 18 · 22W

Optical

Lumen range	12W - 990lm to 22W - 1800lm
Efficacy	~82lm/W
CRI	90
CCT	Switchable 2700K–5000K
Distribution	120°

Physical

Size	7in · 9in · 11in square
Mounting	Junction box
Finish	White
Housing	Galvanized iron · plastic
Ambient	–20°C to 45°C
Application	Damp location
Accessories	Sensor

Certifications

Listings	cETLus · 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

DL-DS

01 **FIXTURE FAMILY**



DL-DS
Disco Square, square surface mount downlight

02 **SIZE | POWER**

7 in -07S-12 12W · 990lm	9 in -09S-18 18W · 1500lm	11 in -11S-22 22W · 1800lm
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03 **CRI | CCT**

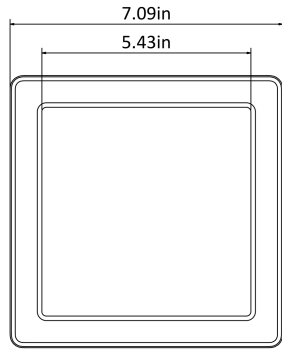


-2750
Premium 90 CRI · switchable 2700K · 3000K · 3500K · 4000K · 5000K ¹

1. One fixture, five CCTs: 2700K, 3000K, 3500K, 4000K and 5000K are switchable. White finish only. Surface mount to a junction box. The occupancy sensor is on page 05.

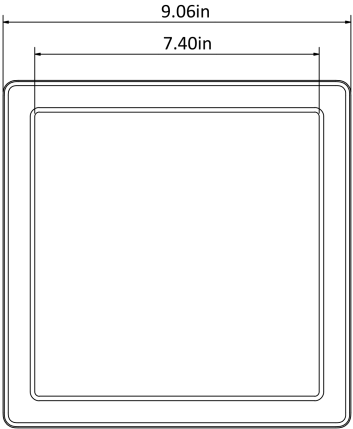
Dimensions

All dimensions in inches.



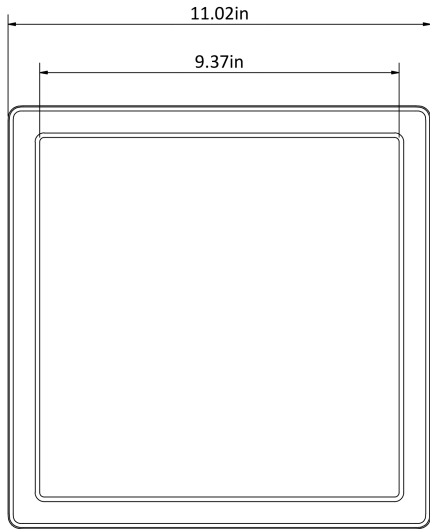
-07S-12 7in

Plan



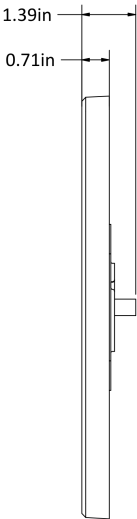
-09S-18 9in

Plan



-11S-22 11in

Plan



Thickness

Side, all sizes

Mounting & Installation

Mounting **Surface mount to junction box**

Installation instructions: [Install Instruction link](#)

Photometric Data

Lumen Estimate Adjustment Factors

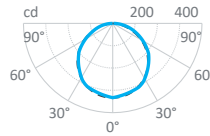
2700K × 0.96 3000K × 1 3500K × 1.03 4000K × 1.06 5000K × 1.09

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

DL-DS-07S12-2750

7in • 12W

		ZONE	LUMENS	% FIXTURE
		0-20°	120.37	12.53
Wattage	12.1W	0-30°	256.90	26.73
CCT	2700K	0-40°	421.78	43.89
Distribution	113°	0-60°	748.65	77.90
Size	7in	0-80°	938.20	97.62
		0-90°	961.02	100.00

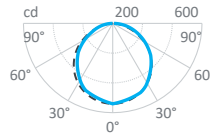


DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	53.3	7.6ft	7.5ft
5.0ft	13.3	15.3ft	15.1ft
7.5ft	5.92	22.9ft	22.6ft
10.0ft	3.33	30.5ft	30.1ft
12.5ft	2.13	38.1ft	37.6ft
15.0ft	1.48	45.8ft	45.2ft
Vert. spread		113.5°	
Horiz. spread		112.8°	

DL-DS-09S18-2750

9in • 18W

		ZONE	LUMENS	% FIXTURE
		0-20°	194.63	12.64
Wattage	18.2W	0-30°	414.79	26.93
CCT	2700K	0-40°	680.22	44.16
Distribution	113°	0-60°	1204.59	78.21
Size	9in	0-80°	1504.46	97.68
		0-90°	1540.25	100.00

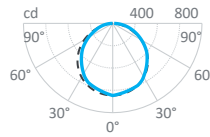


DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	86.5	7.3ft	7.7ft
5.0ft	21.6	14.6ft	15.4ft
7.5ft	9.61	21.9ft	23.1ft
10.0ft	5.40	29.2ft	30.9ft
12.5ft	3.46	36.5ft	38.6ft
15.0ft	2.40	43.8ft	46.3ft
Vert. spread		111.2°	
Horiz. spread		114.1°	

DL-DS-11S22-2750

11in • 22W

		ZONE	LUMENS	% FIXTURE
		0-20°	232.52	12.60
Wattage	23.5W	0-30°	496.00	26.88
CCT	2700K	0-40°	813.87	44.10
Distribution	113°	0-60°	1440.20	78.04
Size	11in	0-80°	1801.25	97.61
		0-90°	1845.41	100.00



DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	103	7.2ft	7.8ft
5.0ft	25.9	14.4ft	15.6ft
7.5ft	11.5	21.5ft	23.4ft
10.0ft	6.46	28.7ft	31.2ft
12.5ft	4.14	35.9ft	39.0ft
15.0ft	2.87	43.1ft	46.9ft
Vert. spread		110.3°	
Horiz. spread		114.7°	

Sensors

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.