

DISCO ECO

LED COMMERCIAL DOWNLIGHT

Surface Mounted Downlight



eralux®



The DISCO ECO Series is the ideal solution for residences with a light source that provides a seamless transitions to various spaces. It comes in Five different wattage and size options as in the 21W for 12 inch, 25W for 15 inch, 9W for 5 inch, 14W for 7 inch and 17W for 9 inch. This fixture also offers various CCT options of 2700K, 3000K, 3500K, 4000K and 5000K CCT that can be set in the field.

DATE			
PROJECT NAME			
TYPE			
QTY			
ORDERING CODE	AE-DL-DSE		-12-2750

OPERATING & ELECTRICAL

INPUT VOLTAGE	120V
POWER FACTOR	0.7
DIMMING	TRIAC
TOTAL HARMONIC DISTORTION(THD)	<20%

PERFORMANCE

LEMENS PER WATT	80~85 LPW at 80 CRI
POWER CONSUMPTION	9W,14W,17W,21W, 25W
DISTRIBUTION	120° Beam Angle

MECHANICAL & HOUSING

HOUSING	Aluminum
LENS	Highly durable polycarbonate and high transmittance lens
FINISH	White
POWER SUPPLY	Factory wired electronic LED driver
LED BOARD	Light emitted source

APPLICATION CONDITION

AMBIENT TEMPERATURE RANGE	-20 °C to 45°C
ENVIRONMENTAL RATING	Wet rated

COMPATIBLE MOUNTING

MOUNTING Surface Mount to Junction box

WARRANTY

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

LUMEN MAINTENANCE – L85 at 50,000 hours

Rated for 85% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES)

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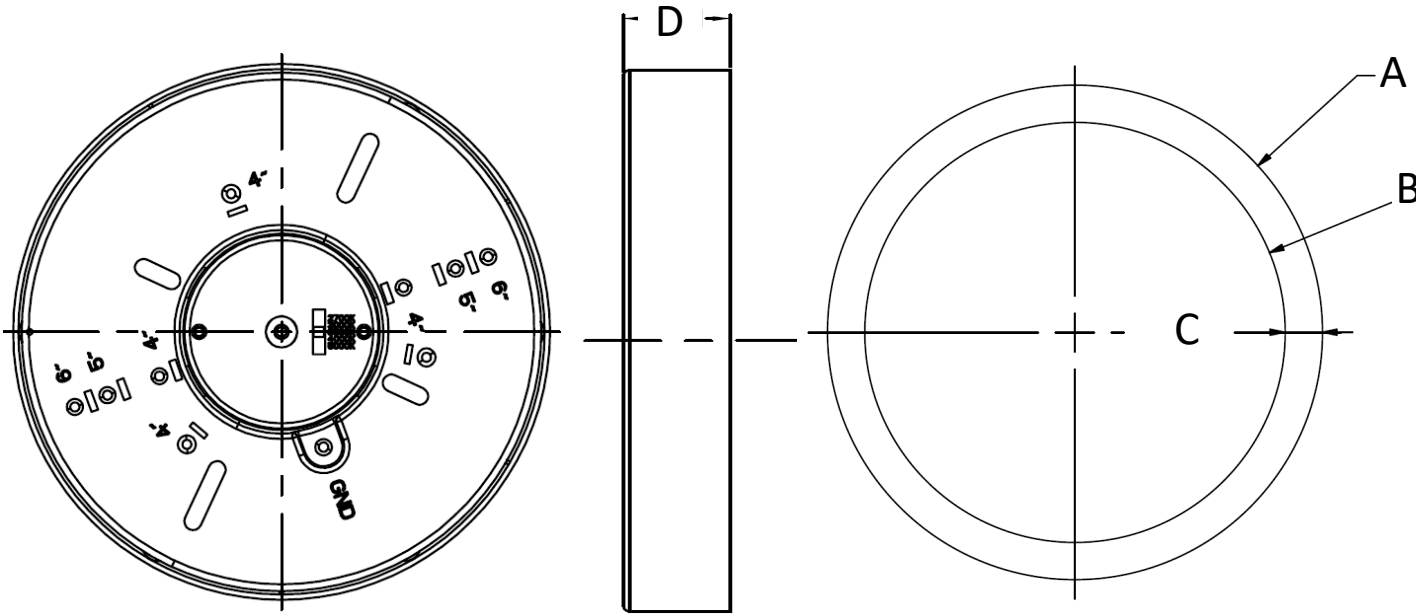
ORDERING GUIDE

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

FIXTURE FAMILY	SHAPE & SIZE	INPUT VOLTAGE	CCT	FINISH
AE-DL-DSE		-12	-2750	
AE-DL-DSE Disco Eco Series Downlight	5-9W 5 inch 9 Watts 700 lumens	12 120V	2750 Selectable CCT 2700/3000/3500/4000/5000K	-[LEAVE BLANK] WHITE FINISH
	7-14W 7 inch 14 Watts 1,200 lumens			
	9-17W 9 inch 17 Watts 1,400 lumens			
	12-21W 12 inch 21 Watts 1,800 lumens			
	15-25W 15 inch 25 Watts 2,200 lumens			
				-BK Black Finish

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PRODUCT DIMENSION (mm & inches)



SIZE	A	B	C	D
5"	6.14 (155)	4.76 (125)	0.68 (15)	0.78 (24)
7"	7.08 (180)	5.66 (144)	0.71 (18.03)	0.78 (20)
9"	8.85 (225)	7.44 (189)	0.7 (17.78)	0.78 (20)
12"	11.6 (294.5)	10 (255)	0.78 (19.75)	0.87 (22)
15"	14.5 (364.5)	12.7 (323)	0.81 (20.75)	0.87 (22)

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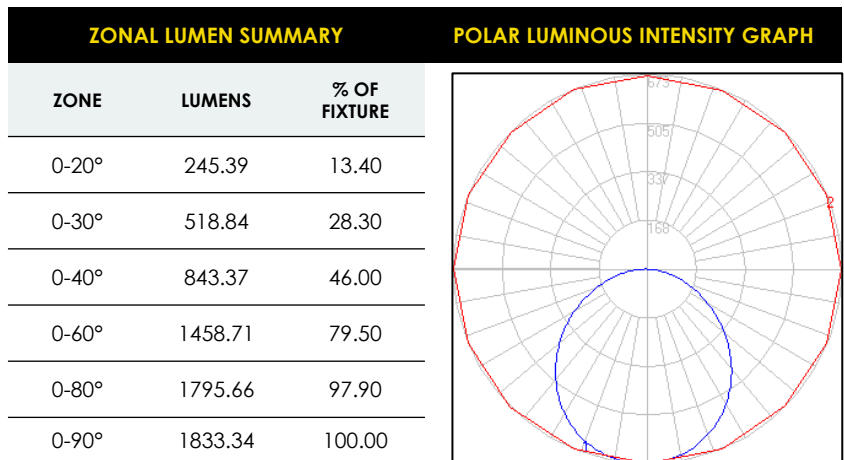
LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

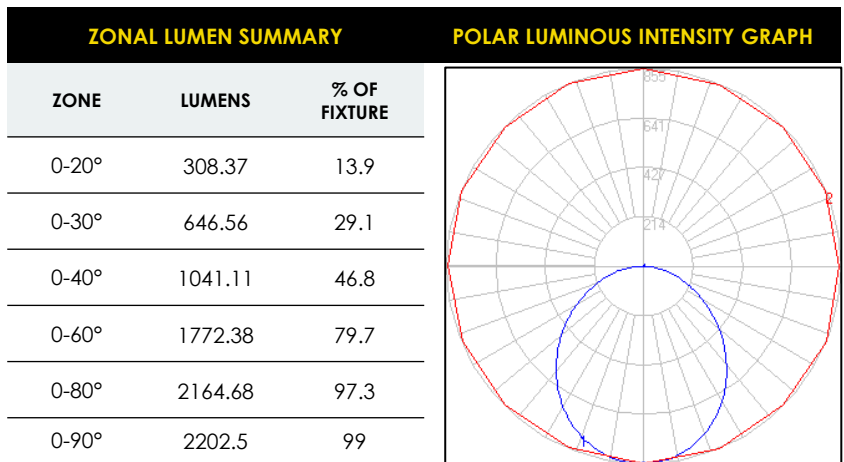
LUMEN ESTIMATE ADJUSTMENT FACTORS					
CCT	2700K	3000K	3500K	4000K	5000K
PREMIUM (90CRI)	0.96	1	1.03	1.06	1.09

PHOTOMETRIC DATA

AE-DL-DSE12-21WUV2750
 12 inch
 2700K CCT



AE-DL-DSE15-25WUV2750
 15 inch
 2700K CCT



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OVERVIEW



CCT SWITCHABLE

2700K, 3000K, 3500K, 4000K, 5000K CCT options in a single fixture.

PERFORMANCE

1800 Lumens at 21W and 2000 lumens at 25W both with a CRI of 80.

PREMIUM DESIGN & MATERIALS

Premium aluminum housing and acrylic lens. Robust, high performing and yet refined finish.

OPERATIONS

Operates at 120V and can have TRIAC Dimming as well.