

DOUBLE RING

LED COMMERCIAL DOWNLIGHT

Surface Mounted Downlight



eralux®



The 2nd Double RING Series is the preferred solution for residences with a light source that provides a seamless transitions to various spaces. It comes in several wattage options as in the 15,20 and 25W. It is CCT switchable with 5 different options. It also enables a rapid transition from incumbent technologies with its TRIAC dimming capabilities.

DATE	
PROJECT NAME	
TYPE	
QTY	
ORDERING CODE	AE-DL-DR- - -82750-TRIAC

OPERATING & ELECTRICAL

INPUT VOLTAGE	120 V
POWER FACTOR	0.9
DIMMING	Triac dimming
TOTAL HARMONIC DISTORTION (THD)	<20%

PERFORMANCE

LUMENS PER WATT	80 LPW at 80CRI
BEAM ANGLE	120°

MECHANICAL & HOUSING

HOUSING	Brushed metal
LENS	Highly durable polycarbonate and high transmittance lens
FINISH	Brushed metal providing an elegant finish
POWER SUPPLY	Factory wired electronic LED driver
LED BOARD	Light emitted source

APPLICATION CONDITION

AMBIENT TEMPERATURE RANGE	-10°C to 40°C
PROTECTION	IP20

COMPATIBLE MOUNTING

MOUNTING	Surface/flush mounted
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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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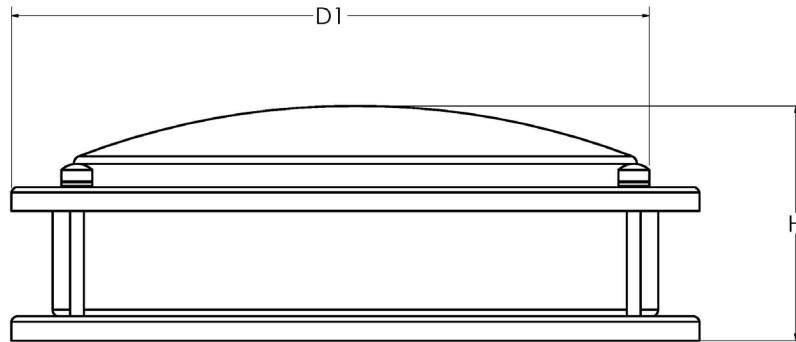
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ORDERING GUIDE

EXAMPLE: AE-DL-DR-12-16W-82750-TRIAC

FIXTURE FAMILY	SHAPE & SIZE	POWER	CRI & CCT	CONTROLS
AE-DL-DR	-	-	-82750	-TRIAC
AE-DL-DR ERALUX Double Ring Series surface mounted downlight	-12 12" round	-16W 16watts:1117 lumens	-82750 80 CRI CCT Switchable 2700/3000/3500/4000/5000K	-TRIAC TRIAC DIMMING
	-14 14" round	-20W 20 watts: 1450 lumens		
	-16 16" round	-24W 24 watts:1772 lumens		

PRODUCT DIMENSIONS



PRODUCT INFORMATION

SIZE	D1	H
12"	12"	2.12"
14"	14"	2.12"
16"	16"	2.12"

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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
PREMIUM (80CRI)	0.94	1	1.02	1.03

PHOTOMETRIC DATA

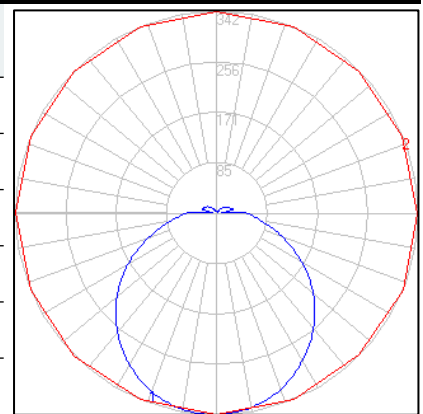
AE-DL-DR-12-16W-82750-TRIAC

12 inches

16 Watts

ZONAL LUMEN SUMMARY POLAR LUMINOUS INTENSITY GRAPH

ZONE	LUMENS	% OF FIXTURE
0-20°	125.43	10.2
0-30°	267.34	21.8
0-40°	440.78	36
0-60°	799.42	65.3
0-80°	1048.19	85.6
0-90°	1117	91.2



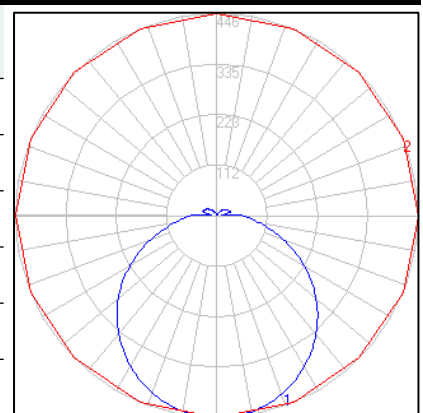
AE-DL-DR-14-20W-82750-TRIAC

14 inches

20 Watts

ZONAL LUMEN SUMMARY POLAR LUMINOUS INTENSITY GRAPH

ZONE	LUMENS	% OF FIXTURE
0-20°	163.97	10.3
0-30°	349.94	22
0-40°	577.73	36.3
0-60°	1049.59	65.9
0-80°	1371.21	86.1
0-90°	1455.05	91.4



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OVERVIEW

METAL HOUSING

Metal Housing comes in Nickel Finish.



CCT SWITCHABLE

5 different CCT options.
2700/3000/3500/4000/
5000K.



DURABLE HOUSING

Polycarbonate lens ensures high efficiency light output for a clean, evenly illuminated surface while ensuring structural rigidity.



MULTIPLE VARIATIONS

Multiple sizes and lumen packages allowing you to choose the model which suits your project space.

12/14/16/18 inches