

DOUBLE RING

LED COMMERCIAL DOWNLIGHT

Surface Mounted Downlight



eralux®



The 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 12,16, 20 and 25W and various CCT options of 3000, 4000 and 5000K CCT. It also enables a rapid transition from incumbent technologies with its triac dimming capabilities.

DATE	
PROJECT NAME	
TYPE	
QTY	
ORDERING CODE	AE-DL-DR- - - -01-A1D

OPERATING & ELECTRICAL

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

PERFORMANCE

LUMENS PER WATT	75 LPW at 80CRI
BEAM ANGLE	110°

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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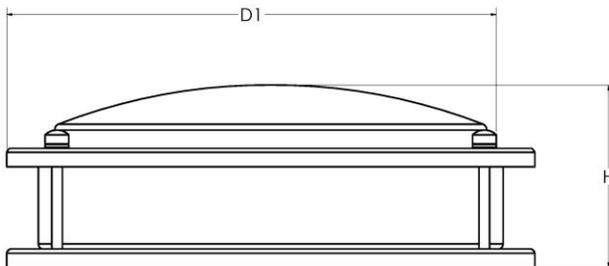
ORDERING GUIDE

EXAMPLE: AE-DL-DR-A10-12-830-01-A1D

FIXTURE FAMILY	SHAPE & SIZE	POWER	CRI & CCT	GENERATION	CONTROLS
AE-DL-DR	-	-	-	-01	-A1D
AE-DL-DR ERALUX Double Ring Series surface mounted downlight	-A10 10" round & 3.4" in height	-12 12 watts: 900 lumens	-830 80 CRI 3000K CCT	-01 1 st generation surface mounted Double Ring commercial downlight Energy Star certified for superior efficacy standards	-A1D Triac Dimming
	-A12 12" round & 3.4" in height	-16 16 watts: 1200 lumens	-835 80 CRI 3500K CCT		
	-A14 14" round & 3.4" in height	-20 20 watts: 1500 lumens	-840 80 CRI 4000K CCT		
	-A16 16" round & 3.4" in height	-25 25 watts: 1875 lumens			

PRODUCT DIMENSIONS (in mm)

AE-DL-DR-AXX-XX-8XX-01-A1D



PRODUCT INFORMATION		
SIZE	D1	H
10"	10"	3.4"
12"	12"	3.4"
14"	14"	3.4"
16"	16"	3.4"

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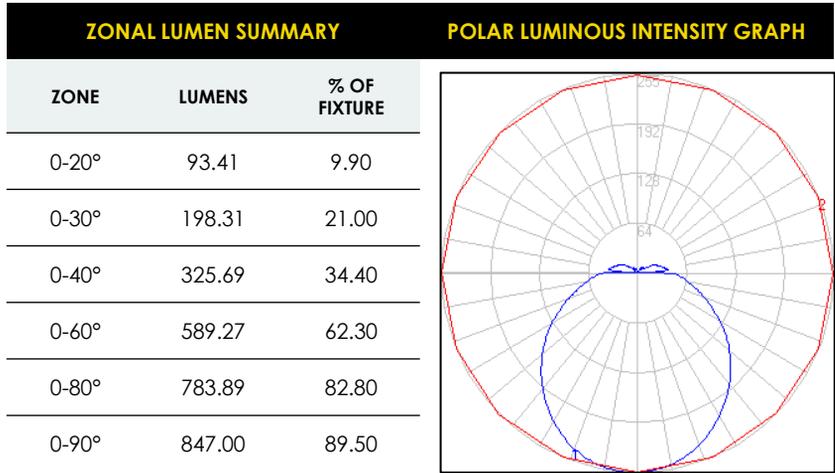
LUMEN ESTIMATE

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:

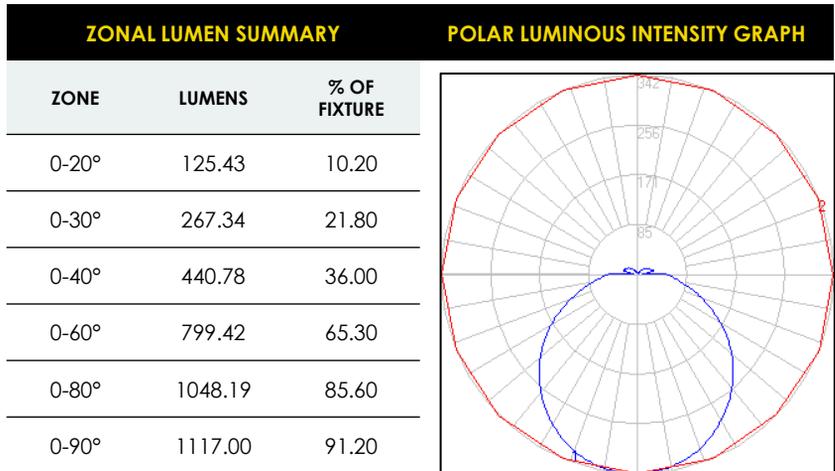
LUMEN ESTIMATE ADJUSTMENT FACTORS				
CCT	2700K	3000K	3500K	4000K
PREMIUM (80CRI)	0.94	1	1.02	1.03

PHOTOMETRIC DATA

AE-DL-DR-A10-12-840-01-A1D
 10"
 12 Watts
 4000K CCT



AE-DL-DR-A14-20-840-01-A1D
 12"
 16 Watts
 4000K CCT



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PHOTOMETRIC DATA (CONTINUE)

AE-DL-DR-A10-12-840-01-A1D

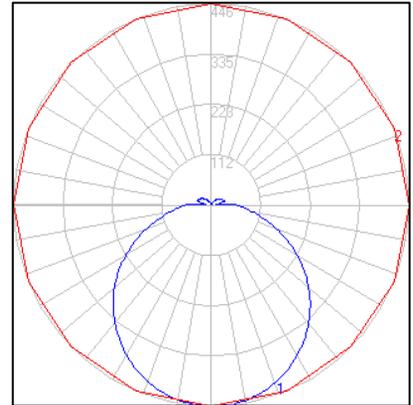
14"

20 Watts

4000K CCT

ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY GRAPH	
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ZONE	LUMENS	% OF FIXTURE
0-20°	163.97	10.30
0-30°	349.94	22.00
0-40°	577.73	36.30
0-60°	1049.59	65.90
0-80°	1371.21	86.10
0-90°	1455.05	91.40



AE-DL-DR-A14-20-840-01-A1D

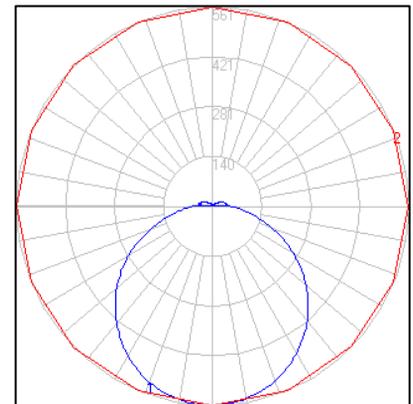
16"

25 Watts

4000K CCT

ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY GRAPH	
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ZONE	LUMENS	% OF FIXTURE
0-20°	205.73	10.80
0-30°	438.68	23.10
0-40°	723.11	38.10
0-60°	1305.7	68.70
0-80°	1685.7	88.70
0-90°	1772.33	93.30



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OVERVIEW

METAL HOUSING

Brushed metal housing provides beautiful accents and an elegant look to your project space.

HIGH-EFFICACY

75 lumen per watt, Energy Star listed recessed downlight providing high-efficacy illumination for your project space.



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.



10/12/14/16 inches