



# DOUBLE RING

LED COMMERCIAL DOWNLIGHT  
SURFACE MOUNTED DOWNLIGHT



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.

Project: \_\_\_\_\_  
Qty: \_\_\_\_\_  
Notes: \_\_\_\_\_

## OPERATING & ELECTRICAL

**Input Voltage**

120Vac

**Power factor**

0.9

**Total harmonic distortion (THD)**

<20%

**Dimming**

Triac dimming

## PERFORMANCE

**Lumens per Watt**

75 LPW at 80CRI

**Beam angle**

110°

## MECHANICAL & HOUSING

**Housing**

Brushed metal

**Lens**

Highly durable polycarbonate

lens ensures high efficiency light output for a clean, evenly illuminated surface with minimal glare. High transmittance lens allowing for a smooth, diffused light pattern.

**Finish**

elegant finish

**Power Supply**

driver

**LED Board**

**APPLICATION CONDITION**

**Ambient temperature range**

-10 to 40°C

**Protection**

IP20

**COMPATIBLE MOUNTING**

**Mounting**

Surface/flush mounted

**WARRANTY**

**System warranty**

5 years

**Lumen maintenance**

Rated for 70% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L70 at 50,000 hours)

Brushed metal providing an

Factory wired electronic LED

Light emitted source

## ORDERING GUIDE

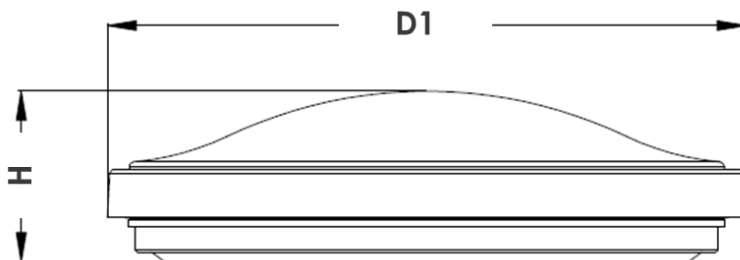
EXAMPLE: AE-DL-DR-A10-12-830-01-A1D

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



## PRODUCT DIMENSIONS

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"

## PRODUCT ACCESSORIES



### AE-DL-DR-STEM-KIT

You can enhance your space with the stem kit (**sold separately**).

## 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:

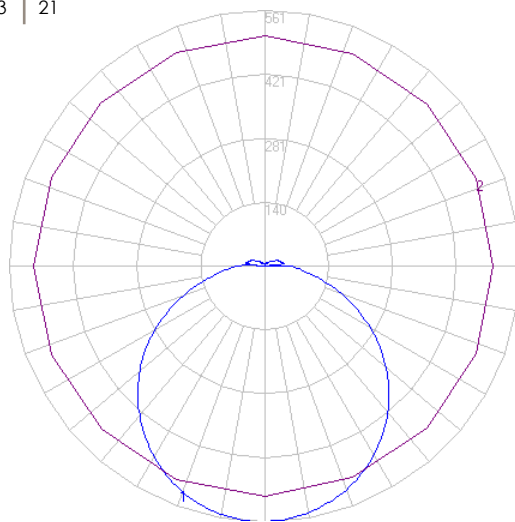
Lumen estimate adjustment factors				
CCT	2700K	3000K	3500K	4000K
NORMAL (80CRI)	0.94	1	1.02	1.03

## PHOTOMETRIC DATA

AE-DL-DR-A16-25-840-01-A1D

Coefficients of utilization											
Ceiling	80%				70%		50%		30%		0%
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0
RCR	Zonal Cavity Method – Effective floor reflectance = 20%										
Room Cavity Ratio	0	117	117	117	117	114	114	107	107	101	93
	1	106	100	96	91	97	89	92	85	87	75
	2	96	87	79	73	84	72	80	69	75	62
	3	87	76	67	60	74	59	70	57	66	51
	4	79	67	58	51	65	50	62	49	59	43
	5	73	60	50	43	58	43	55	42	52	37
	6	67	53	44	38	52	37	50	36	47	32
	7	62	48	39	33	47	33	45	32	43	29
	8	58	44	35	29	43	29	41	29	39	25
	9	54	40	32	26	40	26	38	26	36	23
	10	51	37	29	24	36	24	35	23	34	21

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	53.09	90-100	37.04
10-20	152.64	100-110	26.73
20-30	232.95	110-120	25.66
30-40	284.43	120-130	18.77
40-50	301.37	130-140	10.75
50-60	281.22	140-150	5.38
60-70	227.34	150-160	2.15
70-80	152.65	160-170	1.12
80-90	86.63	170-180	0.25

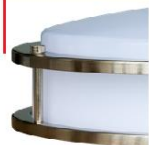




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## LED COMMERCIAL DOWNLIGHT

### SURFACE MOUNTED DOWNLIGHT



#### 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.



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# aeralux