

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

Power Supply Factory wired electronic LED driver
LED Board Light emitted source

PERFORMANCE

Lumens per Watt 75 LPW at 80CRI
Beam angle 110°

APPLICATION CONDITION

Ambient temperature range -10 to 40°C
Protection IP20

COMPATIBLE MOUNTING

Mounting Surface/flush mounted

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 Brushed metal providing an elegant finish

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)

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 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

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:

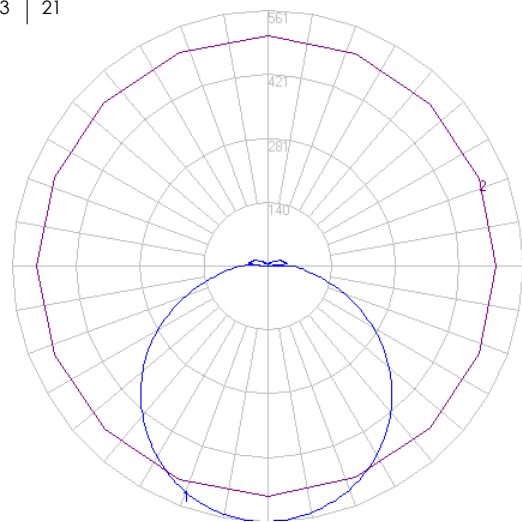
Lumen estimate adjustment factors				
CCT	2700K	3000K	3500K	4000K
NORMAL (80CRI)	0.94	1	1.02	1.03

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%										
0	117	117	117	117	114	114	107	107	101	101	93
1	106	100	96	91	97	89	92	85	87	81	75
2	96	87	79	73	84	72	80	69	75	67	62
3	87	76	67	60	74	59	70	57	66	56	51
4	79	67	58	51	65	50	62	49	59	47	43
5	73	60	50	43	58	43	55	42	52	41	37
6	67	53	44	38	52	37	50	36	47	36	32
7	62	48	39	33	47	33	45	32	43	31	29
8	58	44	35	29	43	29	41	29	39	28	25
9	54	40	32	26	40	26	38	26	36	25	23
10	51	37	29	24	36	24	35	23	34	23	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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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-efficiency 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

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