



RING

LED COMMERCIAL DOWNLIGHT SURFACE MOUNTED DOWNLIGHT



The 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 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

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

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

Power Supply

driver

LED Board

Light emitted source

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)

ORDERING GUIDE

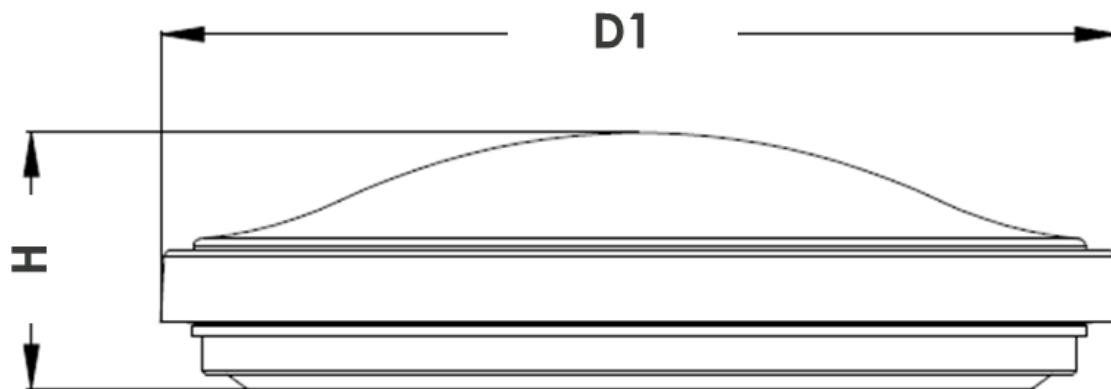
EXAMPLE: AE-DL-RG-A11-16-830-01-A1D

AE-DL-RG	-A11	-16	-830	-01	-A1D
FIXTURE FAMILY	SHAPE & SIZE	POWER	CRI & CCT	GENERATION	CONTROLS
AE-DL-RG Aeralux Ring Series surface mounted downlight	-A11 11" round & 3.3" in height	-16 16 watts: 1200 lumens	-830 80 CRI 3000K CCT	-01 1 st generation surface mounted Ring commercial downlight Energy Star certified for superior efficacy standards	-A1D Triac Dimming
	-A13 13" round & 3.3" in height	-20 20 watts: 1500 lumens	-835 80 CRI 3500K CCT		
	-A15 15" round & 3.3" in height	-25 25 watts: 1875 lumens	-840 80 CRI 4000K CCT		



PRODUCT DIMENSIONS

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



PRODUCT INFORMATION

SIZE	D1	H
11"	11"	3.3"
13"	13"	3.3"
15"	15"	3.3"

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:

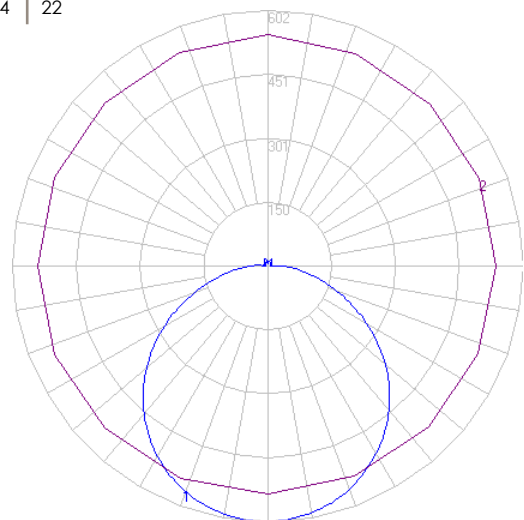
Lumen estimate adjustment factors				
CCT	2700K	3000K	3500K	4000K
NORMAL (80CRI)	0.94	1	1.02	1.03

PHOTOMETRIC DATA

AE-DL-RG-A15-25-830-01-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	118	118	118	118	115	115	109	109	103	103	96
	1	107	102	97	93	104	95	94	87	89	84	78
	2	97	88	81	75	94	79	82	71	78	69	65
	3	88	77	69	62	85	67	72	60	68	58	54
	4	81	68	59	52	78	58	64	51	61	49	46
	5	74	61	52	45	72	51	57	44	54	43	40
	6	68	55	46	39	66	45	51	38	49	37	35
	7	63	50	41	34	61	40	47	34	45	33	30
	8	59	45	37	31	57	36	43	30	41	30	27
	9	55	41	33	27	53	33	39	27	38	27	24
	10	51	38	30	25	50	30	36	24	35	24	22

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	56.96	90-100	20.69
10-20	163.59	100-110	6.48
20-30	249.24	110-120	9.32
30-40	302.69	120-130	10.78
40-50	316.5	130-140	10.66
50-60	288.55	140-150	9.52
60-70	224.56	150-160	7.05
70-80	142.76	160-170	4.36
80-90	70.83	170-180	1.03





RING

LED COMMERCIAL DOWNLIGHT

SURFACE MOUNTED DOWNLIGHT

METAL HOUSING

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

DURABLE HOUSING

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



HIGH-EFFICACY

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

MULTIPLE VARIATIONS

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



Aeralux Inc.
1-514-447-7598 | 1-630-534-2589
www.aeralux.com

Aeralux Incorporation All Rights Reserved. Any information provided is subject to change without notice. All values are typical values when measured under normal laboratory conditions.

aeralux