

ARCHITECTURAL LED RETROFIT DOWNLIGHT

UL	E355621
Energy Star Listed	YES
LM79 Report	YES
Damp Rated	YES

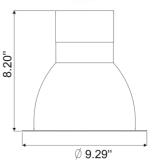






GENERAL DESCRIPTION

The 8inch Commercial Downlight LED are suitable for $100\sim277$ VAC Input with fired-rated Junction box, which delivers high lumens of exceptional 80+ CRI, Lifetime > 50000H with 3000K, 4000K, 5000K ES color temperatures options. They can replace for most manufacturers incandescent, CFL or H.I.D. fixtures with apertures of 7.72" min.to 8.26" max diameter, Easy conversion method and installation can be performed from below the ceiling without removing existing fixture.



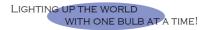
ORDER INFORMATION

AL-LED840-40E

Catagory	Size	Wattage	CCT(XX)	CRI(X)
CE=Commercial	8=8inch	18W=18W 27W=27W 40W=40W	30=3000K 40=4000K 50=5000K	E=80 CRI

ELECTRIC CHARACTERISTIC

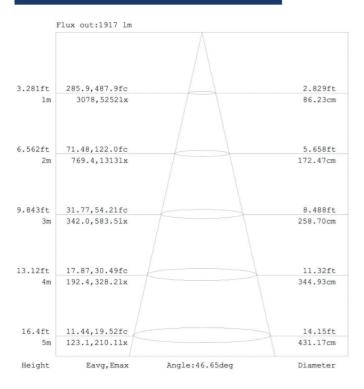
Efficacy: >86LPW	Standard Warranty: 5 Years
Rated Power: 40W	Standard Lifetime: Designed minimum 50,000 hours
Delivered light output: 3454lm (3000K)	Mounting: Recessed
CRI: Ra>80	Recommended Dimmers: DIVA-DVTV(LUTRON),NOVA T NTSTV-DV(LUTRON)
CCT Options: 3000K, 4000K, 5000K	Signal Current:0.96mA
THD: <20%	Driver efficiency>87%.
PF: >0.9	Temperature Rating: Designed to operate in temperatures 45°C
	and below room side and plenum side.





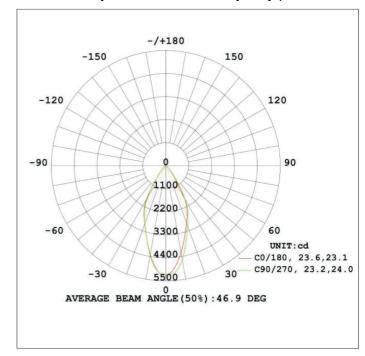
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PHOTOMETRY



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Result may vary per actual order.



ZONAL FLUX DIAGRAM

Υ	C0	C45	C90	C135	C180	C225	C270	C315
10	4207	4415	4558	4486	4303	4317	4343	4361
20	2908	2989	3048	3017	2951	2915	2939	2924
30	1783	1845	1841	1886	1860	1768	1722	1715
40	404.4	449.3	484.6	473.0	456.1	447.0	450.8	437.9
50	86.32	93.34	102.6	97.79	98.80	98.58	100.2	88.29
60	28.65	31.97	35.80	31.96	31.76	33.20	33.99	29.04
70	11.68	13.27	14.63	12.86	12.69	13.51	13.68	11.78
80	4.325	4.949	5.424	4.908	4.774	4.959	4.903	4.340
90	0.0042	0.0048	0.0057	0.0085	0.0064	0.0028	0.0019	0.0025
DEG				LUMINOUS IN	ITENSITY:cd			

ZONAL LUMEN SUMMARY

Т	ф zone	φtotal	%lum, lamp					
0-10	456.9	456.9	13.2,13.2					
10-20	1007	1464	42.4,42.4					
20-30	1112	2576	74.6,74.6					
30-40	618.6	3195	92.5,92.5					
40-50	177.5	3372	97.6,97.6					
50-60	50.50	3423	99.1,99.1					
60-70	20.55	3443	99.7,99.7					
70-80	9.028	3452	99.9,99.9					
80-90	2.048	3454	100,100					
UNIT: Im								

COEFFICIENTS OF UTILIZATION

ppc	80%		70%		50%		30%			10%			0			
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%		20%		20%		20%		20%		0					
RCR	RCR:Roor	n Cavity Rati	0		(CU)											
0.0	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	00
1.0	111	108	106	109	107	105	105	103	101	101	00	98	98	96	95	94
2.0	103	99	96	102	98	95	98	96	93	96	93	91	93	91	89	87
3. 0	97	92	88	95	91	87	93	89	86	90	87	85	88	85	83	82
4.0	91	85	81	89	84	81	87	83	80	85	82	79	83	80	78	76
5.0	85	80	75	84	79	75	82	78	74	81	77	74	79	76	73	71
6.0	80	74	70	79	74	70	78	73	70	77	72	69	75	71	68	67
7.0	76	70	66	75	69	65	74	69	65	73	68	65	71	67	64	63
8.0	72	66	62	71	65	62	70	65	61	69	65	61	68	64	61	59
9.0	68	62	58	67	62	58	66	62	58	66	61	58	65	60	57	56
10.0	64	59	55	64	59	55	63	58	55	63	58	55	62	57	54	53

LIGHTING UP THE WORLD
WITH ONE BULB AT A TIME!