

PROJECT NAME	
CATALOG NUMBER	
NOTES	
FIXTURE TYPE	

Description

The 6inch Commercial LED Down Lights are suitable for 100~277V Input with fire-rated Junction box, which delivers high lumens of exceptional 80+ CRI, Lifetime > 50000H with 3000K, 4000K, 5000K ES color temperatures options. It can replace for most manufacturers incandescent, CFL or H.I.D. fixtures with apertures of 6.1" min.to 6.7" max diameter. Easy conversion method and installation can be performed from below the ceiling without removing existing fixture.

PERFORMANCE SUMMARY

Efficacy:80LPW

Rated Power:40W

Delivered light output:3200lm (3000K)

CRI: Ra>80

CCT Options:3000K 4000K 5000K

THD:<20%

PF:>0.9

Standard Warranty: 5 Years

Standard Lifetime: Designed minimum 50,000 hours

Mounting: Recessed

Recommended Dimmers:DIVA-DVTV(LUTRON) ,NOVA T NTSTV-DV(LUTRON)

Signal Current:0.96mA

Driver Efficiency:>87%

Temperature Rating: Designed to operate in temperatures 45°C and below room side and plenum side.

CERTIFICATE

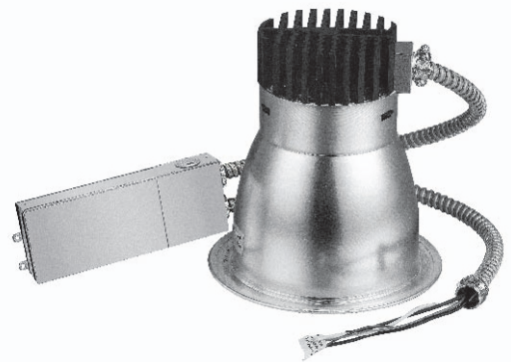
UL	E355621
Energy Star Listed	YES
LM79 Report	YES
Damp Rated	YES

Order Information

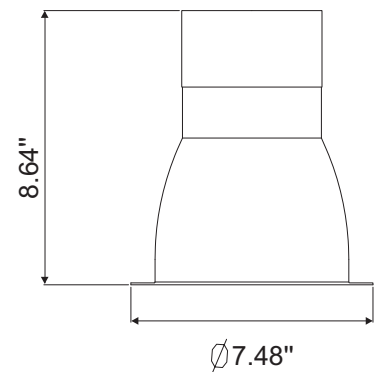
Category	Size	Wattage	CCT(XX)	CRI(X)
CE=Commercial	6=6inch	18W=18W 27W=27W 40W=40W	30=3000K 40=4000K 50=5000K	E=80 CRI

CE6-40W-XXX

Architectural LED Retrofit Downlight

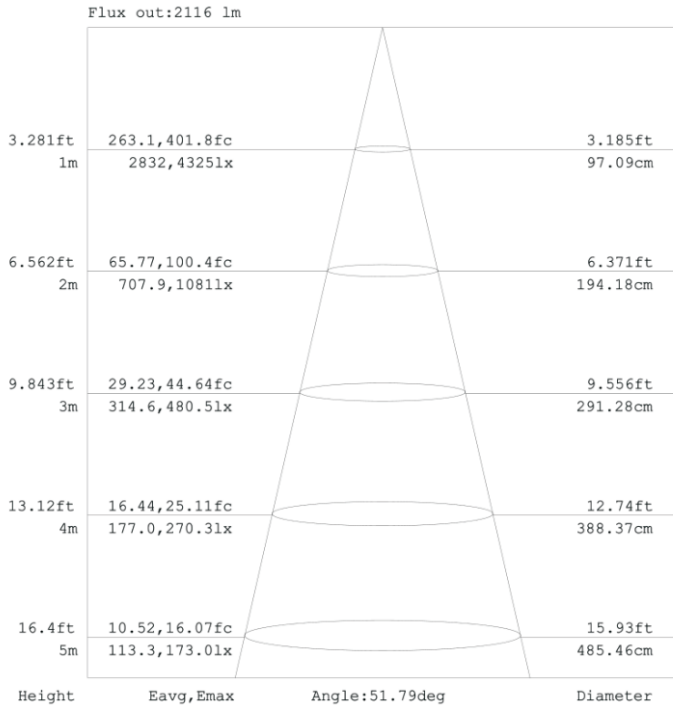


Dimension:



CE6-40W-30E

AVERAGE ILLUMINANCE CURVE



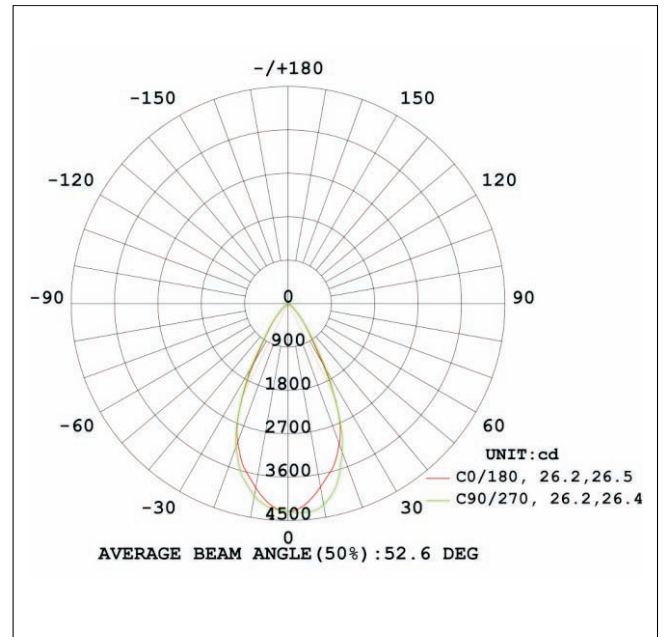
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

PHOTOMETRY

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.

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

CE6-40W-30X



ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180C225	C270	C315
10	2044	1944	1841	1903	2053	2055	1895
20	1495	1467	1441	1499	1589	1572	1495
30	666.5	672.9	671.4	749.3	821.0	755.0	650.5
40	204.2	224.5	243.4	254.3	259.7	245.0	217.8
50	53.58	62.97	69.56	72.38	71.63	67.57	59.53
60	16.63	19.03	20.48	21.02	21.72	21.82	19.54
70	6.546	7.421	7.810	8.003	8.449	8.727	7.786
80	2.006	2.297	2.559	2.724	2.910	2.824	2.412
90	0	0.0000	0.0006	0.0076	0.0106	0	0

LUMINOUS INTENSITY: cd

ZONAL LUMEN SUMMARY

T	φ zone	φ total	% lum, lamp
0-10	195.0	195.0	12.1, 12.1
10-20	490.7	685.6	42.7, 42.7
20-30	516.2	1202	74.8, 74.8
30-40	253.0	1455	90.6, 90.6
40-50	100.3	1555	96.8, 96.8
50-60	32.32	1588	98.8, 98.8
60-70	12.47	1600	99.6, 99.6
70-80	5.093	1605	99.9, 99.9
80-90	0.9520	1606	100, 100

UNIT: lm

COEFFICIENTS OF UTILIZATION

ppc	80%				70%				50%				30%				10%				0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%			
pfc	20%				20%				20%				20%				20%				0
RCR	RCR: Room Cavity Ratio (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	106	104	105	103	101	101	99	98	97	96	95	94					
2.0	103	99	96	101	98	95	98	95	93	95	93	91	92	91	89	87					
3.0	96	91	87	95	90	87	92	89	85	90	87	84	88	85	83	81					
4.0	90	85	81	89	84	80	87	83	79	85	81	78	83	80	77	76					
5.0	85	79	75	84	78	74	82	77	74	80	76	73	79	75	72	71					
6.0	80	74	70	79	73	69	77	72	69	76	72	68	75	71	68	67					
7.0	75	69	65	74	69	65	73	68	65	72	68	64	71	67	64	63					
8.0	71	65	61	70	65	61	69	64	61	68	64	60	67	63	60	59					
9.0	67	61	58	67	61	57	66	61	57	65	60	57	64	60	57	56					
10.0	64	58	54	63	58	54	63	58	54	62	57	54	61	57	54	53					