

PROJECT NAME	
CATALOG NUMBER	
NOTES	
FIXTURE TYPE	

Description

The OKT 4inch Commercial LED Down Lights are suitable for 100~277V or 120V AC Input with fire-rated Junction box, which delivers high lumens of exceptional 80+ CRI, Lifetime > 50000H with 3000K, 4000K, 5000K color temperatures options. It can replace for most manufacturers incandescent, CFL or H.I.D. fixtures with apertures of 4.1" min. to 4.7" max diameter. Easy conversion method and installation can be performed from below the ceiling without removing existing fixture.

Specification

Model	Item No.	Input Power	Luminous Flux	Input Voltage	Dimming Style	Sign Current
4INCH 14W	C4-A14W-XXX	14Watts	980LM	120VAC	AC	/
4INCH 27W	C4-A27W-XXX	27Watts	1880LM	120VAC	AC	/
4INCH 14W	C4-14W-XXX	14Watts	980LM	100-277VAC	/	/
4INCH 27W	C4-D27W-XXX	27Watts	1880LM	100-277VAC	DC	1.5mA

Specifications

LED Chip

Superior-quality white LED light output using Chip on Board of cool ceramic, use CREE COB. LED sources has been LM80 test report from accredited testing laboratory in accordance with IESNA LM-80-2008, Standard color management maintains superior color consistency over time and temperature. CCT classification according to the ANSI C78.377-2008 standard.

Heat Sink

The source mounts directly to heat sink, extend aluminum heat sink with even distribution hackle cool board. High thermal conductivity, reasonable of radiation coefficient and convection coefficient to solve thermal management system design of the cooling. This enables the LEDs to consistently run cooler, providing significant boosts to lifetime, efficacy, and color consistency.

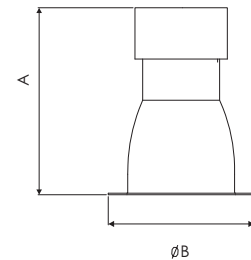
Optical System

The reflector is made of metal material and with surface oxidized, which effectively enhances the lumen output ratio. Also its fish scale shape design on interior surface prevent lighting glare very well, making the light effect quite even and free from layering.

4inch Architectural LED Retrofit Downlight



Dimension:



Item NO:	A	B
C4-A14W-XXX	7.17"	5.59"
C4-A27W-XXX	7.17"	5.59"
C4-14W-XXX	7.17"	5.59"
C4-D27W-XXX	7.17"	5.59"

Order Information

C4-14W-30E

Category	Size	Dimming	Wattage	CCT(XX)	CRI(X)
C=Commercial	4=4inch	A=AC Dimming D=DC Dimming	14W=14W 27W=27W	30=3000K 40=4000K 50=5000K	E=80CRI H=90CRI

PERFORMANCE SUMMARY

Efficacy:>70LPW
Input Power:14W
Delivered light output:980lumens
Chip:CREE COB by Cree TrueWhite Technology
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
The external driver ensures steady performance and long lifespan
Driver efficiency>87%.
Temperature Rating: Designed to operate in temperatures 45°C and below room side and plenum side.

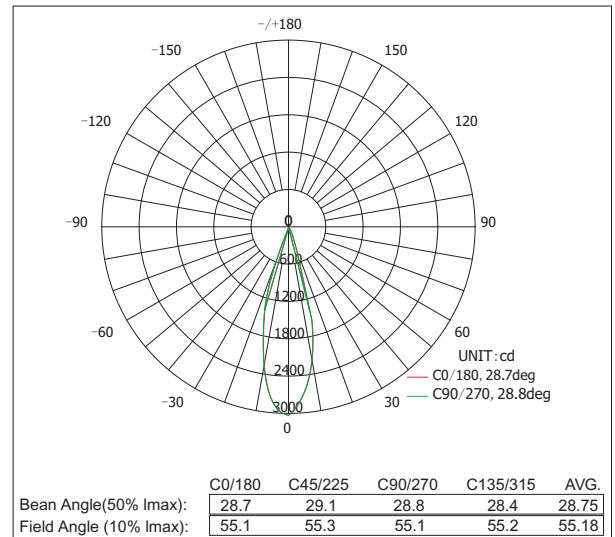
CERTIFICATE

UL and cUL listed
FCC 47Part 15
LM79 Report
Damp Rated

Photometric:

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08.

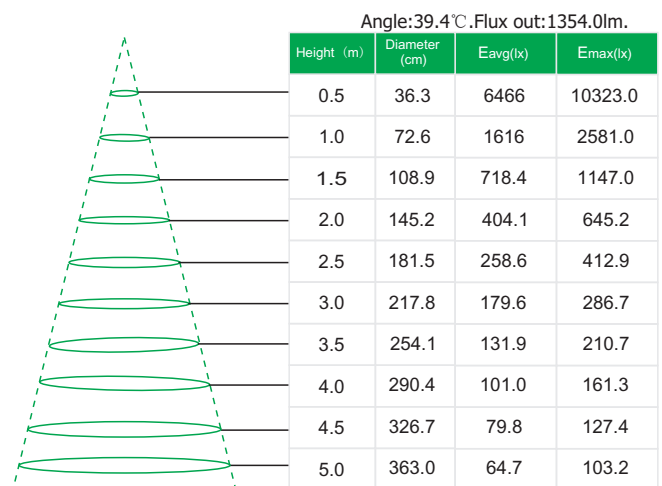
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Zonal Lumen Density Measurement

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	66.0	6.68	0-5	66.0	6.68
5-10	161.0	16.30	0-10	227.0	22.98
10-15	199.1	20.15	0-15	426.1	43.13
15-20	185.4	18.77	0-20	611.5	61.9
20-25	135.1	13.68	0-25	746.6	75.58
25-30	76.5	7.74	0-30	823.1	83.32
30-35	54.2	5.48	0-35	877.3	88.80
35-40	38.9	3.94	0-40	916.2	92.74
40-45	26.8	2.71	0-45	943.0	95.45
45-50	17.4	1.77	0-50	960.4	97.22
50-55	10.8	1.09	0-55	971.2	98.31
55-60	6.7	0.68	0-60	977.9	98.99
60-65	4.2	0.42	0-65	982.1	99.41
65-70	2.7	0.28	0-70	984.8	99.69
70-75	1.7	0.17	0-75	986.5	99.86
75-80	1.0	0.09	0-80	987.5	99.95
80-85	0.4	0.05	0-85	987.9	100.00
85-90	0	0	0-90	987.9	100.00

AVERAGE ILLUMINANCE CURVE



LUMINOUS INTENSITY(CD) DISTRIBUTION DATA

Y	C	0°C	45°C	90°C
0°C		5206	5206	5206
10°C		3948	3919	4048
20°C		2439	2448	2546
30°C		1300	1288	1370
40°C		283	286	288
50°C		115	111	97
60°C		53	47	35
70°C		21	18	13
80°C		6	5	5
90°C		0	0	0

PERFORMANCE SUMMARY

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Input Power:27W
Delivered light output:1880lumens
Chip:CREE COB by Cree TrueWhite Technology
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 , NOVA T NTSTV-DV , IP710-DL
Driver efficiency>87%.
Temperature Rating: Designed to operate in temperatures 45°C and below room side and plenum side.

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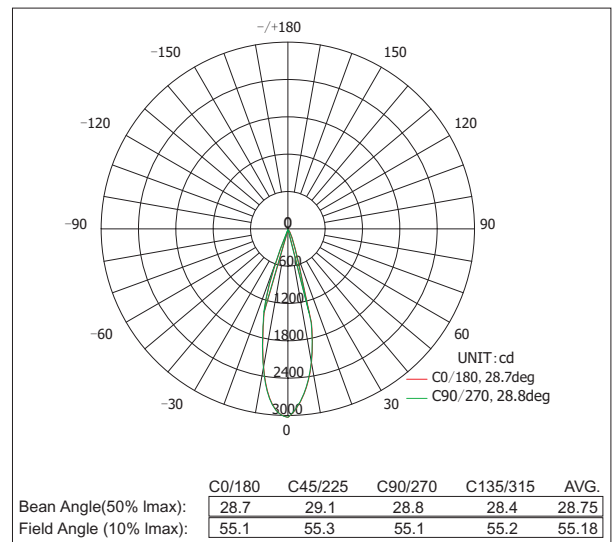
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LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE ILLUMINANCE CURVE

