



APPLICATIONS

FIELD ADJUSTABLE COMMERCIAL DOWNLIGHT offers extreme versatility with field-adjustable lumen output and color temperature. No can is needed for installation. Perfect for new construction or retrofit of CFL and HID downlights of varying mounting heights. Excellent for commercial, covered outdoor ceiling, education, hospitality, retrofit, remodel, and new construction.

SPECIFICATION FEATURES

CONSTRUCTION

Rugged, one-piece design with integrated driver with selectable lumen and CCT. Comes equipped with spring action clips and flex conduit. Wet Location Rated.

ELECTRICAL

Field Selectable lumen output and color temp. Universal voltage: 120V-277V input. Flicker-free driver. 0-10V dimming.

OPTICAL SYSTEM

Reflector system features highly reflective coating and delivers balanced, comfortable illuminance. Optimal glare control. Baffled trim.

INSTALLATION AND MOUNTING

Quick and easy installation. Installs with no can/housing needed. Integral spring clips.

CONTROLS AND DIMMING

Continuous dimming (0-10V) comes standard.

CERTIFICATION AND WARRANTY

ETL Listed. Energy Star. FCC Part 15 Class B. 7-year limited warranty.



Ordering Example: rAO-6CDN-TW-TK-DIM

Product Series: rAO

FORM FACTOR	WATTAGE	CCT	VOLTAGE	DIMMING
6CDN=6" Commercial Downlight 8CDN=8" Commercial Downlight 9.5CDN=9.5" Commercial Downlight	TW=Tunable Wattage 6" Downlight 9W/13W/19W TWLE=8" Downlight (LE) 17W/23W/29W TWHE=8" Downlight (HE) 34W/42W/52W 9.5" Downlight 21W/30W/38W	TK=Tunable Color Temperature 3000K/3500K/4000K	[Blank]=120-277V	DIM=0-10V Continuous Dimming

TECHNICAL PARAMETERS

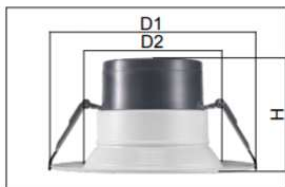
Fixture	rAO-6CDN-TW-TK-DIM								
Input Voltage (AC)	120V-277V								
Input Frequency	50/60 Hz								
Rated Wattage	9W	13W	19W	9W	13W	19W	9W	13W	19W
Delivered Lumens	756.2lm	1,145lm	1,577lm	816.3lm	1,228lm	1,691lm	760lm	1,154lm	1,589lm
Efficacy (lm/W)	93.86	93.78	87.12	103.67	102.68	95.75	94.52	94.75	88.23
CCT ¹	3000K			3500K			4000K		
CRI	90+								
Lifespan (Hours)	50,000								
L70	>54 Hours								
Power Factor	>0.95								
THD	<15%								
Dimming	0-10V Continuous								
Operating Temperature	-20°C to 50°C								

Fixture	rAO-8CDN-TWLE-TK-DIM								
Input Voltage (AC)	120V-277V								
Input Frequency	50/60 Hz								
Rated Wattage	17W	23W	29W	17W	23W	29W	17W	23W	29W
Delivered Lumens	1,534lm	2,069lm	2,542lm	1,657lm	2,235lm	2,729lm	1,599lm	2,156lm	2,260lm
Efficacy (lm/W)	94.46	90.03	88.52	106.29	101.31	99.16	99.69	94.94	92.45
CCT ¹	3000K			3500K			4000K		
CRI	90+								
Lifespan (Hours)	50,000								
L70	>54 Hours								
Power Factor	>0.95								
THD	<15%								
Dimming	0-10V Continuous								
Operating Temperature	-20°C to 50°C								

Fixture	rAO-8CDN-TWHE-TK-DIM									
Input Voltage (AC)	120V-277V									
Input Frequency	50/60 Hz									
Rated Wattage	34W	42W	52W	34W	42W	52W	34W	42W	52W	
Delivered Lumens	3,241lm	3,818lm	4,562lm	3,585lm	4,224lm	5,047lm	3,284lm	3,869lm	4,623lm	
Efficacy (lm/W)	95.58	91.23	87.87	108.64	103.70	99.88	96.87	92.47	89.06	
CCT¹	3000K			3500K			4000K			
CRI	90+									
Lifespan (Hours)	50,000									
L70	>54 Hours									
Power Factor	>0.95									
THD	<15%									
Dimming	0-10V Continuous									
Operating Temperature	-20°C to 50°C									

Fixture	rAO-9.5CDN-TW-TK-DIM									
Input Voltage (AC)	120V-277V									
Input Frequency	50/60 Hz									
Rated Wattage	21W	30W	38W	21W	30W	38W	21W	30W	38W	
Delivered Lumens	1,995lm	2,711lm	3,347lm	2,094lm	2,822lm	3,513lm	2,048lm	2,759lm	3,437lm	
Efficacy (lm/W)	98.42	94.72	90.39	109.35	104.29	99.94	102.09	97.59	95.31	
CCT¹	3000K			3500K			4000K			
CRI	90+									
Lifespan (Hours)	50,000									
L70	>54 Hours									
Power Factor	>0.95									
THD	<15%									
Dimming	0-10V Continuous									
Operating Temperature	-20°C to 50°C									

PRODUCT DIMENSIONS



PRODUCT	D1	D2	H	CUT-OUT	
				MIN.	MAX.
rAO-6CDN-TW-TK-DIM	8-7/16"	5-7/8"	4-7/16"	ø6-1/8"	ø7-3/16"
rAO-8CDN-TWLE-TK-DIM	10-1/16"	7-3/8"	4-3/4"	ø7-9/16"	ø8-11/16"
rAO-8CDN-TWHE-TK-DIM	10-1/16"	7-3/8"	4-3/4"	ø7-9/16"	ø8-11/16"
rAO-9.5CDN-TW-TK-DIM	11-3/8"	8-11/16"	5-1/4"	ø8-7/8"	ø10"

FIELD-ADJUSTABLE WATTAGE & CCT



PRODUCT	LOW	MEDIUM	HIGH	ADJUSTABLE COLOR TEMPERATURE		
				4000K	3500K	3000K
rAO-6CDN-TW-TK-DIM	9W	13W	19W	4000K	3500K	3000K
rAO-8CDN-TWLE-TK-DIM	17W	23W	29W			
rAO-8CDN-TWHE-TK-DIM	32W	42W	62W			
rAO-9.5CDN-TW-TK-DIM	21W	30W	38W			

ACCESSORY OPTIONS

GOOF RING

GFR-CDL-6 Goof Ring for 6" Downlight, Matte White, 10.5" outer diameter.

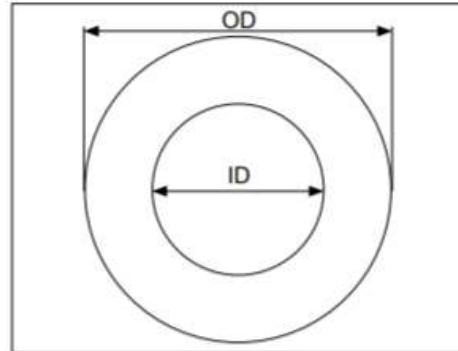
GFR-CDL-8 Goof Ring for 8" Downlight, Matte White, 12.5" outer diameter.

GFR-CDL-10 Goof Ring for 10" (9.5") Downlight, Matte White, 14" outer diameter

PRODUCT	OUTER DIAMETER	INNER DIAMETER
GFR-CDL-6	ø10.5"	ø5.9"
GFR-CDL-8	ø12.5"	ø7.4"
GFR-CDL-10	ø14"	ø8.7"

EMERGENCY BACKUP – MICRO INVERTER

FHUPS1-UNV-25L-SD 35W Micro-Inverter, 120V-277V, 90 min.



JUNCTION BOX

CDL-JBX Junction Box for CDL Downlight, standalone version.

