

# 10" High Performance Commercial Downlight



ProLED® High Performance Commercial Downlights are a long life and energy efficient replacement for traditional lamps. Dimmable and easy to install, they deliver a maintenance-free experience with a 50,000-hour useful rated life. With its superior LED technology and performance, the ProLED® High Performance Commercial Downlight deliver consistent color, uniform illumination, and a long life for your lighting design. Applications include: office, hallway, bathroom, lobby, hospitality, conference room. ProLED® High Performance Commercial Downlights are backed by a 5-year warranty.

## Performance Specifications

<b>CRI</b> _____	80	<b>Min. Start Temp.</b> _____	0°C (-32°F)
<b>Rated Life</b> _____	50,000 hours	<b>Max. Operating Temp.</b> _____	40°C (104°F)
<b>Watt</b> _____	30W, 40W	<b>Power Factor</b> _____	>0.95%
<b>Lumens</b> _____	2810-3995 lm	<b>Warranty</b> _____	5-Year Limited
<b>Lumens per Watt (LPW)</b> _____	90-100	<b>Control</b> _____	Dimmable to 10% (0-10V)
<b>Input Line Voltage</b> _____	120-277V	<b>Weight</b> _____	6.6 lbs
<b>Input Line Frequency</b> _____	50/60 Hz		

## Energy Savings

Traditional lamp	Replacement LED	Energy Savings
(2) 32W CFL	30W	53%

## Construction

- 50,000 hour life results in lower maintenance costs over time
- Cast aluminum housing and trim
- Frosted lens for smooth, even and comfortable light distribution
- ETL approved for damp locations
- ENERGY STAR® Certified
- Dimmable to 10% (0-10V)
- ROHS Compliant

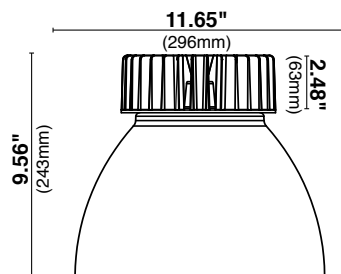
## Installation

- Acceptable for use in Non-IC housings
- Universal mounting clips for varying ceiling thickness
- Easy to install
- Emergency battery options for all color temperatures
- Special design driver box mounts directly to junction box

## Electrical

- 120-277V Input
- 50/60 Hz Input frequency
- Dimmable to 10% (10V)
- Power Factor >0.95%

## Dimensions



Universal Mounting Clips



Driver Box

## Ordering Information

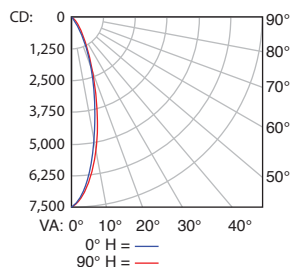


Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Dimmable	Aperture Size	EQ. Wattage
30W	99847	CDLH10AR30/827/LED	120-277V	2700K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
30W	99848	CDLH10AR30/830/LED	120-277V	3000K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
30W	99849	CDLH10AR30/840/LED	120-277V	4000K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
30W	99850	CDLH10AR30/850/LED	120-277V	5000K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
40W	99851	CDLH10AR40/827/LED	120-277V	2700K	80	3615	50,000	Yes (0-10V)	10"	(2) 42W CFL
40W	99852	CDLH10AR40/830/LED	120-277V	3000K	80	3615	50,000	Yes (0-10V)	10"	(2) 42W CFL
40W	99853	CDLH10AR40/840/LED	120-277V	4000K	80	3995	50,000	Yes (0-10V)	10"	(2) 42W CFL
40W	99854	CDLH10AR40/850/LED	120-277V	5000K	80	3995	50,000	Yes (0-10V)	10"	(2) 42W CFL
30W	99855	CDLH10AR30/827/LED/EM	120-277V	2700K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
30W	99856	CDLH10AR30/830/LED/EM	120-277V	3000K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
30W	99857	CDLH10AR30/840/LED/EM	120-277V	4000K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
30W	99858	CDLH10AR30/850/LED/EM	120-277V	5000K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
40W	99859	CDLH10AR40/827/LED/EM	120-277V	2700K	80	3615	50,000	Yes (0-10V)	10"	(2) 42W CFL
40W	99860	CDLH10AR40/830/LED/EM	120-277V	3000K	80	3615	50,000	Yes (0-10V)	10"	(2) 42W CFL
40W	99861	CDLH10AR40/840/LED/EM	120-277V	4000K	80	3995	50,000	Yes (0-10V)	10"	(2) 42W CFL
40W	99862	CDLH10AR40/850/LED/EM	120-277V	5000K	80	3995	50,000	Yes (0-10V)	10"	(2) 42W CFL

\* Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens.

## Photometrics

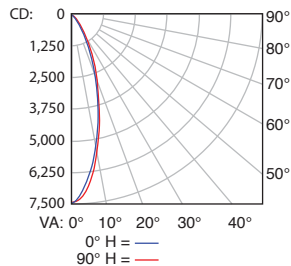
99847, CDLH10AR30/827/LED  
99855, CDLH10AR30/827/LED/EM



LUMENS PER ZONE					
ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	600.9	21.4%	90-100	0.000	0%
10-20	1,084.5	38.6%	100-110	0.000	0%
20-30	817.0	29.1%	110-120	0.000	0%
30-40	299.0	10.6%	120-130	0.000	0%
40-50	8.3	0.3%	130-140	0.000	0%
50-60	0.000	0.0%	140-150	0.000	0%
60-70	0.000	0.0%	150-160	0.000	0%
70-80	0.000	0.0%	160-170	0.000	0%
80-90	0.000	0.0%	170-180	0.000	0%

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2,502.4	89%	89.1%
0-40	2,801.4	99.7%	99.7%
0-60	2,809.6	100%	100%
60-90	0.000	0%	0%
70-100	0.000	0%	0%
90-120	0.000	0%	0%
0-90	2,809.6	100%	100%
90-180	0.000	0%	0%
0-180	2,809.6	100%	100%

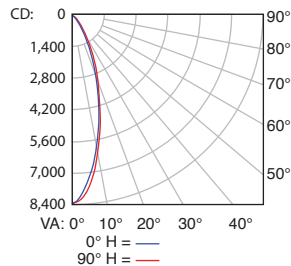
99848, CDLH10AR30/830/LED  
99856, CDLH10AR30/827/LED/EM



LUMENS PER ZONE					
ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	600.9	21.4%	90-100	0.000	0%
10-20	1,084.5	38.6%	100-110	0.000	0%
20-30	817.0	29.1%	110-120	0.000	0%
30-40	299.0	10.6%	120-130	0.000	0%
40-50	8.3	0.3%	130-140	0.000	0%
50-60	0.000	0.0%	140-150	0.000	0%
60-70	0.000	0.0%	150-160	0.000	0%
70-80	0.000	0.0%	160-170	0.000	0%
80-90	0.000	0.0%	170-180	0.000	0%

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2,502.4	89%	89.1%
0-40	2,801.4	99.7%	99.7%
0-60	2,809.6	100%	100%
60-90	0.000	0%	0%
70-100	0.000	0%	0%
90-120	0.000	0%	0%
0-90	2,809.6	100%	100%
90-180	0.000	0%	0%
0-180	2,809.6	100%	100%

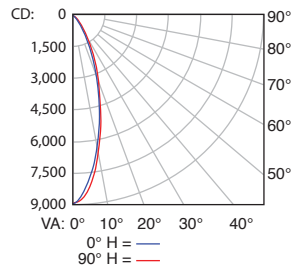
99849, CDLH10AR30/840/LED  
99857, CDLH10AR30/840/LED/EM



LUMENS PER ZONE					
ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	674.6	21.4%	90-100	0.000	0%
10-20	1,217.4	38.6%	100-110	0.000	0%
20-30	917.1	29.1%	110-120	0.000	0%
30-40	335.6	10.6%	120-130	0.000	0%
40-50	9.3	0.3%	130-140	0.000	0%
50-60	0.000	0.0%	140-150	0.000	0%
60-70	0.000	0.0%	150-160	0.000	0%
70-80	0.000	0.0%	160-170	0.000	0%
80-90	0.000	0.0%	170-180	0.000	0%

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2,809.0	89%	89.1%
0-40	3,144.7	99.7%	99.7%
0-60	3,153.9	100%	100%
60-90	0.000	0%	0%
70-100	0.000	0%	0%
90-120	0.000	0%	0%
0-90	3,153.9	100%	100%
90-180	0.000	0%	0%
0-180	3,153.9	100%	100%

99850, CDLH10AR30/850/LED  
99858, CDLH10AR30/850/LED/EM



LUMENS PER ZONE					
ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	716.4	21.4%	90-100	0.000	0%
10-20	1,292.9	38.6%	100-110	0.000	0%
20-30	974.0	29.1%	110-120	0.000	0%
30-40	356.5	10.6%	120-130	0.000	0%
40-50	9.8	0.3%	130-140	0.000	0%
50-60	0.000	0.0%	140-150	0.000	0%
60-70	0.000	0.0%	150-160	0.000	0%
70-80	0.000	0.0%	160-170	0.000	0%
80-90	0.000	0.0%	170-180	0.000	0%

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2,983.2	89%	89.1%
0-40	3,339.7	99.7%	99.7%
0-60	3,349.5	100%	100%
60-90	0.000	0%	0%
70-100	0.000	0%	0%
90-120	0.000	0%	0%
0-90	3,349.5	100%	100%
90-180	0.000	0%	0%
0-180	3,349.5	100%	100%



# 10" High Performance Commercial Downlight

## Ordering Information

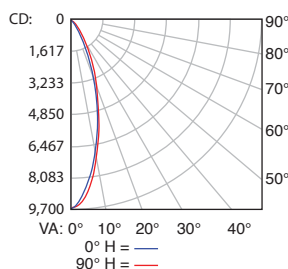


Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Dimmable	Aperture Size	EQ. Wattage
30W	99847	CDLH10AR3025/827/RT/LED	120-277V	2700K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
30W	99848	CDLH10AR3025/830/RT/LED	120-277V	3000K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
30W	99849	CDLH10AR3025/840/RT/LED	120-277V	4000K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
30W	99850	CDLH10AR3025/850/RT/LED	120-277V	5000K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
40W	99851	CDLH10AR4040/827/RT/LED	120-277V	2700K	80	3615	50,000	Yes (0-10V)	10"	(2) 42W CFL
40W	99852	CDLH10AR4040/830/RT/LED	120-277V	3000K	80	3615	50,000	Yes (0-10V)	10"	(2) 42W CFL
40W	99853	CDLH10AR4040/840/RT/LED	120-277V	4000K	80	3995	50,000	Yes (0-10V)	10"	(2) 42W CFL
40W	99854	CDLH10AR4040/850/RT/LED	120-277V	5000K	80	3995	50,000	Yes (0-10V)	10"	(2) 42W CFL
30W	99855	CDLH10AR3025/827/RT/LED/EM	120-277V	2700K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
30W	99856	CDLH10AR3025/830/RT/LED/EM	120-277V	3000K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
30W	99857	CDLH10AR3025/840/RT/LED/EM	120-277V	4000K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
30W	99858	CDLH10AR3025/850/RT/LED/EM	120-277V	5000K	80	2810	50,000	Yes (0-10V)	10"	(2) 32W CFL
40W	99859	CDLH10AR4040/827/RT/LED/EM	120-277V	2700K	80	3615	50,000	Yes (0-10V)	10"	(2) 42W CFL
40W	99860	CDLH10AR4040/830/RT/LED/EM	120-277V	3000K	80	3615	50,000	Yes (0-10V)	10"	(2) 42W CFL
40W	99861	CDLH10AR4040/840/RT/LED/EM	120-277V	4000K	80	3995	50,000	Yes (0-10V)	10"	(2) 42W CFL
40W	99862	CDLH10AR4040/850/RT/LED/EM	120-277V	5000K	80	3995	50,000	Yes (0-10V)	10"	(2) 42W CFL

\* Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens.

## Photometrics

99851, CDLH10AR40/827/LED  
99859, CDLH10AR40/827/LED/EM



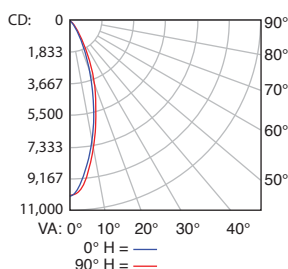
### LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	779.9	21.4%	90-100	0.000	0%
10-20	1,407.4	38.6%	100-110	0.000	0%
20-30	1,060.3	29.1%	110-120	0.000	0%
30-40	388.0	10.6%	120-130	0.000	0%
40-50	10.7	0.3%	130- 40	0.000	0%
50-60	0.000	0.0%	140-150	0.000	0%
60-70	0.000	0.0%	150-160	0.000	0%
70-80	0.000	0.0%	160-170	0.000	0%
80-90	0.000	0.0%	170-180	0.000	0%

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	3,247.6	89%	89.1%
0-40	3,635.7	99.7%	99.7%
0-60	3,646.4	100%	100%
60-90	0.000	0%	0%
70-100	0.000	0%	0%
90-120	0.000	0%	0%
0-90	3,646.4	100%	100%
90-180	0.000	0%	0%
0-180	3,646.4	100%	100%

99852, CDLH10AR40/830/LED  
99860, CDLH10AR40/830/LED/EM



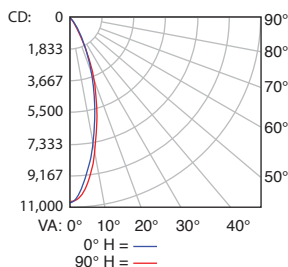
### LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	818.1	21.4%	90-100	0.000	0%
10-20	1,476.4	38.6%	100-110	0.000	0%
20-30	1,112.2	29.1%	110-120	0.000	0%
30-40	407.1	10.6%	120-130	0.000	0%
40-50	11.2	0.3%	130-140	0.000	0%
50-60	0.000	0.0%	140-150	0.000	0%
60-70	0.000	0.0%	150-160	0.000	0%
70-80	0.000	0.0%	160-170	0.000	0%
80-90	0.000	0.0%	170-180	0.000	0%

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	3,406.8	89%	89.1%
0-40	3,813.9	99.7%	99.7%
0-60	3,825.1	100%	100%
60-90	0.000	0%	0%
70-100	0.000	0%	0%
90-120	0.000	0%	0%
0-90	3,825.1	100%	100%
90-180	0.000	0%	0%
0-180	3,825.1	100%	100%

99853, CDLH10AR40/840/LED  
99861, CDLH10AR40/840/LED/EM



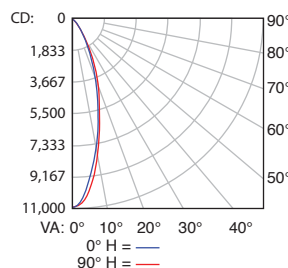
### LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	865.9	21.4%	90-100	0.000	0%
10-20	1,562.6	38.6%	100-110	0.000	0%
20-30	1,177.2	29.1%	110-120	0.000	0%
30-40	430.8	10.6%	120-130	0.000	0%
40-50	11.9	0.3%	130-140	0.000	0%
50-60	0.000	0.0%	140-150	0.000	0%
60-70	0.000	0.0%	150-160	0.000	0%
70-80	0.000	0.0%	160-170	0.000	0%
80-90	0.000	0.0%	170-180	0.000	0%

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	3,605.7	89%	89.1%
0-40	4,036.5	99.7%	99.7%
0-60	4,048.4	100%	100%
60-90	0.000	0%	0%
70-100	0.000	0%	0%
90-120	0.000	0%	0%
0-90	4,048.4	100%	100%
90-180	0.000	0%	0%
0-180	4,048.4	100%	100%

99854, CDLH10AR40/850/LED  
99854, CDLH10AR40/850/LED/EM



### LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	881.5	21.4%	90-100	0.000	0%
10-20	1,590.8	38.6%	100-110	0.000	0%
20-30	1,198.4	29.1%	110-120	0.000	0%
30-40	438.6	10.6%	120-130	0.000	0%
40-50	12.1	0.3%	130-140	0.000	0%
50-60	0.000	0.0%	140-150	0.000	0%
60-70	0.000	0.0%	150-160	0.000	0%
70-80	0.000	0.0%	160-170	0.000	0%
80-90	0.000	0.0%	170-180	0.000	0%

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	3,670.8	89%	89.1%
0-40	4,109.4	99.7%	99.7%
0-60	4,121.5	100%	100%
60-90	0.000	0%	0%
70-100	0.000	0%	0%
90-120	0.000	0%	0%
0-90	4,121.5	100%	100%
90-180	0.000	0%	0%
0-180	4,121.5	100%	100%