

# 450

## **LED COMMERCIAL DOWNLIGHT**

- ▶ **DESIGN** LED COMMERCIAL DOWNLIGHT are available in a durable aluminum housing that is resistant to rust and impacts. The lenses are anti-glare and spring-loaded clips are used to secure the fixture in place. The cord is metal and measures 1.6 feet in length. These downlights operate on 120-277V circuits and are compatible with a 0-10V dimming driver. Emergency models include a built-in battery backup that provides 90 minutes of continuous operation.
- ▶ COLOR AND POWER SELECTABLE You can choose between 2,700K soft white, 3,000K warm white, 3,500K neutral white, and 4,000K cool white color temperatures, as well as 5,000K daylight color temperature, and adjust the power output from 12 watts to 40 watts (depending on the model) with a simple control switch.
- ► CRI90+ Rating provides rich and natural colors and keeps your space looking and feeling vibrant. True bright colors also improve your mood and general health.
- ▶ INSTALLATION This fixture is IC rated so there is no can or any other housing required. It is also Wet Locations rated, making it perfect for any spaces with humidity requirements. Perfect for retail, hospitality, or any other commercial space with a high ceiling.
- ▶ ADVANTAGES These fixtures have a long lifespan of 50,000 hours and are designed to last for decades under normal use. ASD provides a 5-year limited warranty, along with UL and Energy Star certifications, to ensure the highest quality products and safety.

Catalog number	
Notes	
Туре	









Model	Size	Watts	Voltage	Dimmable	Lumens	ССТ	Finish	Dimensions (DxH)	Cord	Pre-installed		
CDL7R ROUND												
ASD-CDL7R-6A30WH	6 inch	12/16/22/26/30W	120-277 V	0-10 V	up to 3,352 lm	5CCT (2,700/3,000/3,500/4,000/5,000 K)	White	8-3/8" x 4-13/16"	1.5 ft	-		
ASD-CDL7R-8A35WH	8 inch	16/22/26/30/35W	120-277 V	0-10 V	up to 4,245 lm	5CCT (2,700/3,000/3,500/4,000/5,000 K)	White	10-5/16" x 5-5/16"	1.5 ft	-		
ASD-CDL7R-10A40WH	10 inch	22/26/30/35/40W	120-277 V	0-10 V	up to 4,791 lm	5CCT (2,700/3,000/3,500/4,000/5,000 K)	White	11-9/16" x 5-15/16"	1.5 ft	-		
					CD	L7S SQUARE						
ASD-CDL7S-6A30WH	6 inch	12/16/22/26/30W	120-277 V	0-10 V	up to 3,009 lm	5CCT (2,700/3,000/3,500/4,000/5,000 K)	White	8-11/16" x 8-11/16" x 4-5/16"	2.3 ft	-		
ASD-CDL7S-8A35WH	8 inch	16/22/26/30/35W	120-277 V	0-10 V	up to 3,711 lm	5CCT (2,700/3,000/3,500/4,000/5,000 K)	White	10-1/4" x 10-1/4" x 4-1/4"	2.3 ft	-		
	CDL7R ROUND WITH BATTERY BACK-UP											
ASD-CDL7R-6A30WH-EM	6 inch	12/16/22/26/30W	120-277 V	0-10 V	up to 3,352 lm	5CCT (2,700/3,000/3,500/4,000/5,000 K)	White	8-11/16" x 4-5/16"	2.3 ft	15W Battery back-up		
ASD-CDL7R-8A35WH-EM	8 inch	16/22/26/30/35W	120-277 V	0-10 V	up to 4,245 lm	5CCT (2,700/3,000/3,500/4,000/5,000 K)	White	10-1/4" x 4-5/16"	2.3 ft	15W Battery back-up		

For detailed luminous flux information please refer to Annex 1, page 6.







#### PRODUCT SPECIFICATIONS:

Construction & Materials							
Housing	Aluminum						
Lens	PC						
Finish	White						
	ASD-CDL7R-6A30WH	1.2 lbs (0.5 kg)	ASD-CDL7S-6A3	DWH	1.9 lbs (0.9 kg)	ASD-CDL7R-6A30WH-EM	3.4 lbs (1.6 kg)
Weight	ASD-CDL7R-8A35WH	1.5 lbs (0.7 kg)	ASD-CDL7S-8A3	5WH	2.6 lbs (1.2 kg)	ASD-CDL7R-8A35WH-EM	3.8 lbs (1.7 kg)
	ASD-CDL7R-10A40WH	1.8 lbs (0.8 kg)			<u> </u>		
Environmental system							
Work environment	Suitable for Wet Locations						
Operating temperature	-4°F to 104°F (-20°C to 40°C)						
L-70 Life	> 50,000 hrs						
Optical system							
Color temperature	5CCT switch (2,700/3,000/3,50	0/4,000/5,000 K), 5,000	K by default				
CRI	> 90						
Electrical system							
Input voltage	120-277 V						
	ASD-CDL7R-6A30WH	0.25 A	ASD-CDL7S-6A30WH		0.25 A	ASD-CDL7R-6A30WH-EM	0.25 A
Max input current	ASD-CDL7R-8A35WH	0.29 A	ASD-CDL7S-8A3	95WH 0.29 A		ASD-CDL7R-8A35WH-EM	0.29 A
	ASD-CDL7R-10A40WH	0.33 A					
Inrush current (Action time)	50 A (16 S)						
Off state power	0W						
	ASD-CDL7R-6A30WH	12/16/22/26/30W	ASD-CDL7S-6A3	DWH	12/16/22/26/30W	ASD-CDL7R-6A30WH-EM	12/16/22/26/30W
Power consumption	ASD-CDL7R-8A35WH	16/22/26/30/35W	ASD-CDL7S-8A3	5WH	16/22/26/30/35W	ASD-CDL7R-8A35WH-EM	16/22/26/30/35W
	ASD-CDL7R-10A40WH	22/26/30/35/40W					
Power factor	> 0.9						
Output voltage	75 A						
	ASD-CDL7R-6A30WH	0.37 A	ASD-CDL7S-6A3	DWH	0.37 A	ASD-CDL7R-6A30WH-EM	0.37 A
Max output current	ASD-CDL7R-8A35WH	0.45 A	ASD-CDL7S-8A3	5WH	0.45 A	ASD-CDL7R-8A35WH-EM	0.45 A
	ASD-CDL7R-10A40WH	0.52 A					
Surge protection DM/CM	2 kV / 2.5 kV						
Dimming compatible controls				Regula	r and voluntary certifications		
Brand	Lutron	Leviton			limited warranty		·
Models	MS-Z101	IP710-LFZ		cETLus	certified 5005153		

#### PACKAGE CONTENTS:

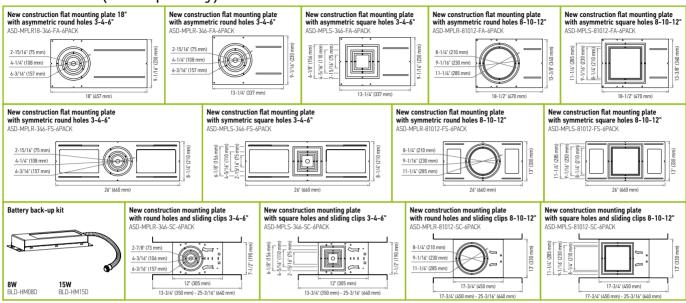
Description	Quantity
_ED Commercial Downlight	1
Wire nut (A)	3
Template for 6, 8 or 10 inch round or square (B)	1
Box	1







#### ACCESSORIES (sold separately):



#### ACCESSORY COMPATIBILITY LIST:

Accesso Models	ories	Battery back-up kit 8W BLD-HM08D	Battery back-up kit 15W BLD-HM15D	New construction flat mounting plate with asymmetric round holes 3-4-6" ASD-MPLR-346-FA-6PACK	New construction flat mounting plate 18" with asymmetric round holes 3-4-6" ASD-MPLR18-346-FA-6PACK	New construction flat mounting plate with asymmetric square holes <b>3-4-6</b> " ASD-MPLS-346-FA-6PACK	New construction flat mounting plate with asymmetric round holes 8-10-12" ASD-MPLR-81012-FA-6PACK	New construction flat mounting plate with asymmetric square holes 8-10-12" ASD-MPLS-81012-FA-6PACK	New construction flat mounting plate with symmetric round holes 3-4-6" ASD-MPLR-346-FS-6PACK	New construction flat mounting plate with symmetric square holes <b>3-4-6</b> * ASD-MPLS-346-FS-6PACK	New construction flat mounting plate with symmetric round holes 8-10-12" ASD-MPLR-81012-FS-6PACK	New construction flat mounting plate with symmetric square holes 8-10-12" ASD-MPLS-81012-FS-6PACK	New construction mounting plate with round holes and sliding clips 3-4-6" ASD-MPLR-346-SC-6PACK	New construction mounting plate with square holes and sliding clips 3-4-6" ASD-MPLS-346-SC-6PACK	New construction mounting plate with round holes and sliding clips 8-10-12" ASD-MPLR-81012-SC-6PACK	New construction mounting plate with square holes and stiding clips 8-10-12." ASD-MPLS-81012-SC-6PACK
	6"	•	•	•	•				•				•			
ASD-CDL7R	8"	•	•				•				•				•	
	10"	•	•				•				•				•	
ACD CDL7C	6"	•	•			•				•				•		
ASD-CDL7S	8"	•	•					•				•				•
400 001 ED EM	6"			•	•				•				•			
ASD-CDL7R-EM	8"						•				•				•	

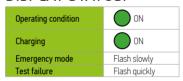


## **BUILT-IN BACK-UP BATTERY** INFORMATION

Model	Battery watts	Lumens in emergency mode	Battery capacity	Emergency mode	Charging time
ASD-CDL7R-6A30WH-EM	15W	1,719 lm	2600 mAh * 4	> 90 min	≥ 24 hours
ASD-CDL7R-8A35WH-EM	15W	1,756 lm	2600 mAh * 4	> 90 min	≥ 24 hours

- Has a self-checking function.
- AC operation, indicator light will stay on.
- Emergency operation, indicator light will flash slowly (light on for 2 seconds, lightoff for 2 seconds).
- In a failure, indicator light will flash quickly (light on for 0.2 seconds, light off for 0.2 seconds).
- In order to test the Battery back-up, press test switch one time to switch to emergency mode. Press one more time to get back to AC mode

#### STANDARD OPERATION **DISPLAY STATUS:**





## **BATTERY BACK-UP KIT** INFORMATION

BLD-HM08D BLD-HM15D sold separately:

Specifications	model: BLD-HM08D	model: BLD-HM15D
Input voltage	120-347 Vac, 50/60 Hz	
Input current	≤ 100 mA	
Output voltage	≤ 170 Vdc	≤ 175 Vdc
Output power	8W	15W
Lumen	800 lm	1,000 lm
Application	< 60W (0-10 V dimmable fixture)	< 100W (0/1-10 V dimmable fixture)
Ambient temperature	32°F to 122°F (0°C to 50°C)	

### INSTALLATION GUIDE

#### IMPORTANT SAFETY INFORMATION:

Please read all the instructions below before installation.

- Make sure that the supply voltage corresponds to the rated product voltage.
- The product must be installed by a qualified electrician in accordance with the National Electrical Code and corresponding local codes.
- If the product is damaged, do not use it.

#### ▲ WARNING

Risk of personal injury - read and follow all warnings and installation instructions. Keep or give to the owner for future reference.

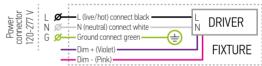
Risk of cuts: Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing, and maintaining this product.

Risk of electric shock: This product must be installed in accordance with the application of the applicati operation of the product and the hazards involved.

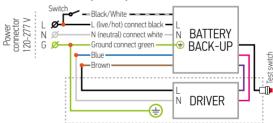
Risk of Fire: Minimum 194°F supply conductors. Consult a qualified electrician to ensure correct branch circuit conductor.

ASD® assumes no responsibility for claims arising out of improper or careless Installation or handling of this product.

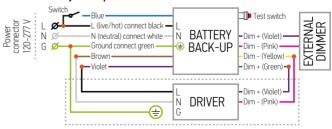
#### **ELECTRICAL SCHEMATIC DIAGRAM:**



#### CDL7R-EM with battery back-up



#### CDL7 with battery back-up kit



For most up-to-date spec sheets please refer to asd-lighting.com

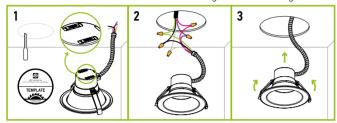






#### **INSTALLATION STEPS:**

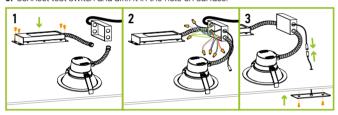
- 1. Use template to cut an appropriate sized hole. Before inserting the fixture into the mounting surface opening, choose power and color temperature with a simple
- 2. Connect the wires using wire nuts: Black to Black, White to White, Green to Green.
- 3. Fold up the two spring mounting tabs and release as the fixture is placed into the mounting surface. Ensure that the spring mounting tabs have securely mounted the fixture so that the front trim is flush against the mounting surface.



#### BATTERY BACK-UP KIT INSTALLATION

BLD-HM08D BLD-HM15D sold separately:

- 1. Secure the battery back-up to the celling.
- 2. Connect wires as shown on electrical diagram.
- 3. Connect test switch and affix it in the hole on surface

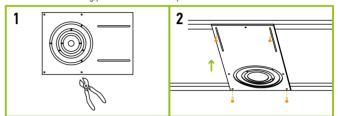


#### MOUNTING PLATE INSTALLATION

ASD-MPLR-346-FA	ASD-MPLR-346-SC	ASD-MPLS-81012-FA
ASD-MPLS-346-FA	ASD-MPLS-346-SC	ASD-MPLR-81012-FS
ASD-MPLR-346-FS	ASD-MPLR18-346-FA	ASD-MPLS-81012-FS
ASD-MPLS-346-FS	ASD-MPLR-81012-FA	ASD-MPLR-81012-SC

#### sold separately:

- 1. Remove the metal ring from the mounting plate according to the size of fixture.
- 2. Place the mounting plate and secure its position with screws on the beams.



### ORDERING INFORMATION

Model	UPC	Pcs. per carton	Carton size	Carton weight	GTIN 14					
CDL7R ROUND 120lm/W										
ASD-CDL7R-6A30WH	810128113359	8	18.9" x 18.5" x 12.2"	14.4 lbs	10810128113356					
ASD-CDL7R-8A35WH	810128113366	4	22.8" x 11.8" x 13"	9.9 lbs	10810128113363					
ASD-CDL7R-10A40WH	810128113373	4	25.6" x 13.2" x 14.2"	12.3 lbs	10810128113370					
		CDL7S SQUAF	RE							
ASD-CDL7S-6A30WH	810128114981	8	22.1" x 22.1" x 12.8"	23.6 lbs	10810128114988					
ASD-CDL7S-8A35WH	810128114998	4	25.2" x 25.2" x 6.7"	16.4 lbs	10810128114995					
CDL7R ROUND WITH BATTERY BACK-UP										
ASD-CDL7R-6A30WH-EM	810128114394	8	23.2" x 16.3" x 26"	36.5 lbs	10810128114391					
ASD-CDL7R-8A35WH-EM	810128114400	4	25.2" x 16.3" x 13.9"	22.4 lbs	10810128114407					

For most up-to-date spec sheets please refer to asd-lighting.com







#### **ACCESSORIES:**

Model	Description	UPC	Pcs. per carton	Carton size	Carton weight	GTIN 14 in carton
BLD-HM08D	Battery back-up kit 8W	810128111508	10	17.1" x 14.6" x 11"	19.6 lbs	10810128111505
BLD-HM15D	Battery back-up kit 15W	810050734882	10	17.8" x 13.5" x 9.5"	25.1 lbs	10810050734889
ASD-MPLR-346-FA-6PACK	New construction flat mounting plate with asymmetric round holes 3-4-6"	810050739344	4	14.4" x 9.8" x 3.2"	18.1 lbs	10810050739341
ASD-MPLR18-346-FA-6PACK	New construction flat mounting plate 18" with asymmetric round holes 3-4-6"	810128112826	4	18.9" x 9.8" x 3.2"	32.9 lbs	10810128112823
ASD-MPLR-81012-FA-6PACK	New construction flat mounting plate with asymmetric round holes 8-10-12"	810128111553	4	19.5" x 14.2" x 3.2"	37.2 lbs	10810128111550
ASD-MPLS-346-FA-6PACK	New construction flat mounting plate with asymmetric square holes 3-4-6"	810128110303	4	14.4" x 9.8" x 3.2"	17.7 lbs	10810128110300
ASD-MPLS-81012-FA-6PACK	New construction flat mounting plate with asymmetric square holes 8-10-12*	810128112833	4	19.5" x 14.2" x 3.2"	36.3 lbs	10810128112830
ASD-MPLR-346-FS-6PACK	New construction flat mounting plate with symmetric round holes 3-4-6"	810050739351	4	27" x 9.1" x 3.2"	21 lbs	10810050739358
ASD-MPLR-81012-FS-6PACK	New construction flat mounting plate with symmetric round holes 8-10-12"	810128111577	4	27" x 13.8" x 3.2"	42.3 lbs	10810128111574
ASD-MPLS-346-FS-6PACK	New construction flat mounting plate with symmetric square holes 3-4-6"	810128110310	4	27" x 9.1" x 3.2"	20.7 lbs	10810128110317
ASD-MPLS-81012-FS-6PACK	New construction flat mounting plate with symmetric square holes 8-10-12"	810128112840	4	27" x 13.8" x 3.2"	40.7 lbs	10810128112847
ASD-MPLR-346-SC-6PACK	New construction mounting plate with round holes and sliding clips 3-4-6"	810050739337	2	17.3" x 11.9" x 13.4"	17 lbs	10810050739334
ASD-MPLS-346-SC-6PACK	New construction mounting plate with square holes and sliding clips 3-4-6"	810128110327	2	17.3" x 11.9" x 13.4"	16.5 lbs	10810128110324
ASD-MPLR-81012-SC-6PACK	New construction mounting plate with round holes and sliding clips 8-10-12"	810128111607	2	21.3" x 17.5" x 15.6"	24 lbs	10810128111604
ASD-MPLS-81012-SC-6PACK	New construction mounting plate with square holes and sliding clips 8-10-12"	810128118040	2	21.3" x 17.5" x 15.6"	24 lbs	10810128118047

## **ANNEX 1**

Model	Watts	2,700 K	3,000 K	3,500 K	4,000 K	5,000 K
	12W	1,332 lm	1,351 lm	1,393 lm	1,423 lm	1,450 lm
	16W	1,737 lm	1,771 lm	1,832 lm	1,873 lm	1,915 lm
ASD-CDL7R-6A30WH	22W	2,320 lm	2,377 lm	2,459 lm	2,502 lm	2,527 lm
	26W	2,641 lm	2,715 lm	2,813 lm	2,861 lm	2,881 lm
	30W	3,018 lm	3,119 lm	3,242 lm	3,304 lm	3,352 lm
	16W	1,928 lm	1,953 lm	2,015 lm	2,095 lm	2,613 lm
	22W	2,569 lm	2,613 lm	2,702 lm	2,757 lm	2,796 lm
ASD-CDL7R-8A35WH	26W	2,702 lm	2,796 lm	3,048 lm	3,205 lm	3,241 lm
	30W	3,377 lm	3,452 lm	3,578 lm	3,645 lm	3,681 lm
	35W	3,838 lm	3,935 lm	4,093 lm	4,178 lm	4,246 lm
	22W	2,644 lm	2,691 lm	2,842 lm	2,999 lm	3,162 lm
	26W	2,999 lm	3,058 lm	3,162 lm	3,219 lm	3,260 lm
ASD-CDL7R-10A40WH	30W	3,260 lm	3,459 lm	3,640 lm	3,679 lm	3,863 lm
	35W	3,960 lm	4,103 lm	4,167 lm	4,200 lm	4,363 lm
	40W	4,363 lm	4,487 lm	4,659 lm	4,736 lm	4,791 lm
	12W	1,190 lm	1,202 lm	1,234 lm	1,255 lm	1,274 lm
	16W	1,639 lm	1,669 lm	1,720 lm	1,750 lm	1,780 lm
ASD-CDL7S-6A30WH	22W	2,270 lm	2,330 lm	2,407 lm	2,438 lm	2,442 lm
	26W	2,639 lm	2,721 lm	2,818 lm	2,851 lm	2,839 lm
	30W	2,992 lm	3,101 lm	3,218 lm	3,257 lm	3,273 lm
	16W	1,715 lm	1,731 lm	1,781 lm	1,815 lm	1,846 lm
	22W	2,399 lm	2,458 lm	2,495 lm	2,534 lm	2,557 lm
ASD-CDL7S-8A35WH	26W	2,798 lm	2,854 lm	2,948 lm	2,991 lm	3,007 lm
	30W	3,209 lm	3,283 lm	3,399 lm	3,445 lm	3,450 lm
	35W	3,711 lm	3,816 lm	3,969 lm	4,094 lm	4,046 lm
	12W	1,332 lm	1,351 lm	1,393 lm	1,423 lm	1,450 lm
	16W	1,737 lm	1,771 lm	1,832 lm	1,873 lm	1,915 lm
ASD-CDL7R-6A30WH-EM	22W	2,320 lm	2,377 lm	2,459 lm	2,502 lm	2,527 lm
	26W	2,641 lm	2,715 lm	2,813 lm	2,861 lm	2,881 lm
	30W	3,018 lm	3,119 lm	3,242 lm	3,304 lm	3,352 lm
	16W	1,928 lm	1,953 lm	2,015 lm	2,095 lm	2,613 lm
	22W	2,569 lm	2,613 lm	2,702 lm	2,757 lm	2,796 lm
ASD-CDL7R-8A35WH-EM	26W	2,702 lm	2,796 lm	3,048 lm	3,205 lm	3,241 lm
	30W	3,377 lm	3,452 lm	3,578 lm	3,645 lm	3,681 lm
	35W	3,838 lm	3,935 lm	4,093 lm	4,178 lm	4,246 lm

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