



Project Details

PROJECT	
DATE	
TYPE	
PREPARER	



NebuLite's LED Down Light is an all-in-one solution for adding down-lighting to various interior applications. This alternative to CFL down lights eliminates the need for traditional recessed housing by spring-mounting into the ceiling and connecting directly to a junction box. The lack of housing and quick connections shortens installation time and reduces installation costs. It also reduces the installation space required, allowing the down light to be installed into tighter spaces than would be possible otherwise.

# SPECIFICATIONS

## Product Features

### Construction

- Aluminum baffle housing
- Polycarbonate diffused lens
- Stainless steel adjustable spring loaded tabs
- Powder coated white finish

### Installation & Mounting

- Recessed

### Controls & Dimming

- 0-10 Volt Dimming
- Bluetooth Mesh Controls

# PERFORMANCE

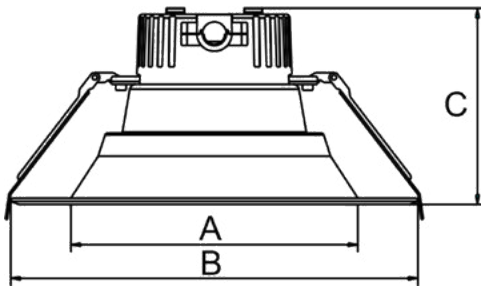
## Summary

Input Voltage	100-277V
Input Frequency	50/60 Hz
Rated Wattage	7W-10W-13W (switchable) 10W-15W-22W (switchable) 12W-20W-30W (switchable)
Efficacy	90 lm/W
CRI	90
Available CCT	2700K, 3000K, 3500K, 4000K, 5000K
Rated Life (L70)	70,000 hrs
Certifications	DLC, CE, RoHS, Energy Star, UL
Working Temp. (°F)	-4° to 122°
LED Light Source	SMD 3030 5050



# COMMERCIAL DOWNLIGHT

## Housing Compatibility



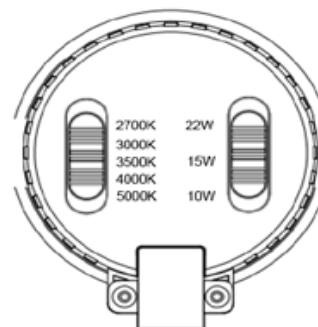
MODEL	A	B	C
NBDL4	3.7"	5.4"	3.0"
NBDL6	5.9"	8.2"	4.0"
NBDL8	7.3"	10.2"	4.4"

# ADJUSTABLE

## Lumen Output & Color


This commercial downlight features adjustable lumen output for three distinct lumen levels equivalent to Various CFL lamp combinations. Simply adjust the lamp power or color to the desired lumen output by sliding the selector switch on top of the fixture.

MODEL	PRODUCT FEATURES		
	Power	Lumens	Color
NBDL6	LOW - 10W	800lm	2700K
	MED - 15W	1,200lm	3000K 3500K
	HIGH - 22W	1,450lm	4000K 5000K



**PERFORMANCE**

Data

MODEL	WATTS (SWITCHABLE)	CCT (SWITCHABLE)	LIGHT EFFICIENCY	LUMEN	VOLTAGE	Energy Star
NBDL4	7W-10W-13W	2700K 3000K 35000K 4000K 5000K	90LPW	600lm, 850lm, 1,050lm	120-277V	
NBDL6	10W-15W-22W			900lm, 1,350lm, 2,000lm		
NBDL8	12W-20W-30W			1,080lm, 1,800lm, 2,700lm		

**ORDER**

Data

Sample: **NB-WRP-4FT-40W-3CCT**

SERIES	WATTAGE	CCT	VOLTAGE	Options
NBDL4	7W-10W-13W	2700K 3000K 35000K 4000K 5000K	BLANK = 100-277V	RS Recessed (4", 6", 8")
NBDL6	10W-15W-22W			EM Emergency Driver
NBDL8	12W-20W-30W			

**Electrical**

Data

MODEL	INPUT (VAC)	CURRENT	POWER (W)	LEDS	LED CURRENT	CRI	CCT	LUMENS
NBDL6	120-277V	0.08	10W	60	0.05	90	3000K	900lm
		0.12	15W		0.07		4000K	1,350lm
		0.18	22W		0.11		5000K	2,000lm

**KT-EMRG-LED-5-500-AC/DF**

**CONSTANT WATTAGE LED EMERGENCY BACK-UP DRIVER**

LED Emergency Back-Up Driver | Dual-Flex Conduit | 5W Output | 120 –277V Input

<b>Driver Type</b>	Constant Wattage LED Emergency
<b>Max. Output Power</b>	5W
<b>Input Voltage</b>	120-277 Vac ±10%
<b>Output Voltage</b>	40~300Vdc
<b>Output Current</b>	Load Dependant
<b>Warranty</b>	5 Years



**PRODUCT**      Features

Optimized for recessed LED downlight fixtures and retrofit kits, and Keystone DirectDrive compact lamps. Contact Keystone for details on functioning with other LED products	Evaluated to UL 924 requirements
Illuminates entire LED load at reduced output under emergency mode	90-minute operation in emergency mode
One-piece design with metal housing	UL listed
2-in-1 LED test switch and indicator light included	Operating temperature: 0°C/32°F to 50°C/122°F
Dual-flex conduit fits into 1/2" knockouts	Input frequency: 50/60 Hz
Not for use with dimmers	Maximum load: 50W
Li(NiCoMn)O2 battery	

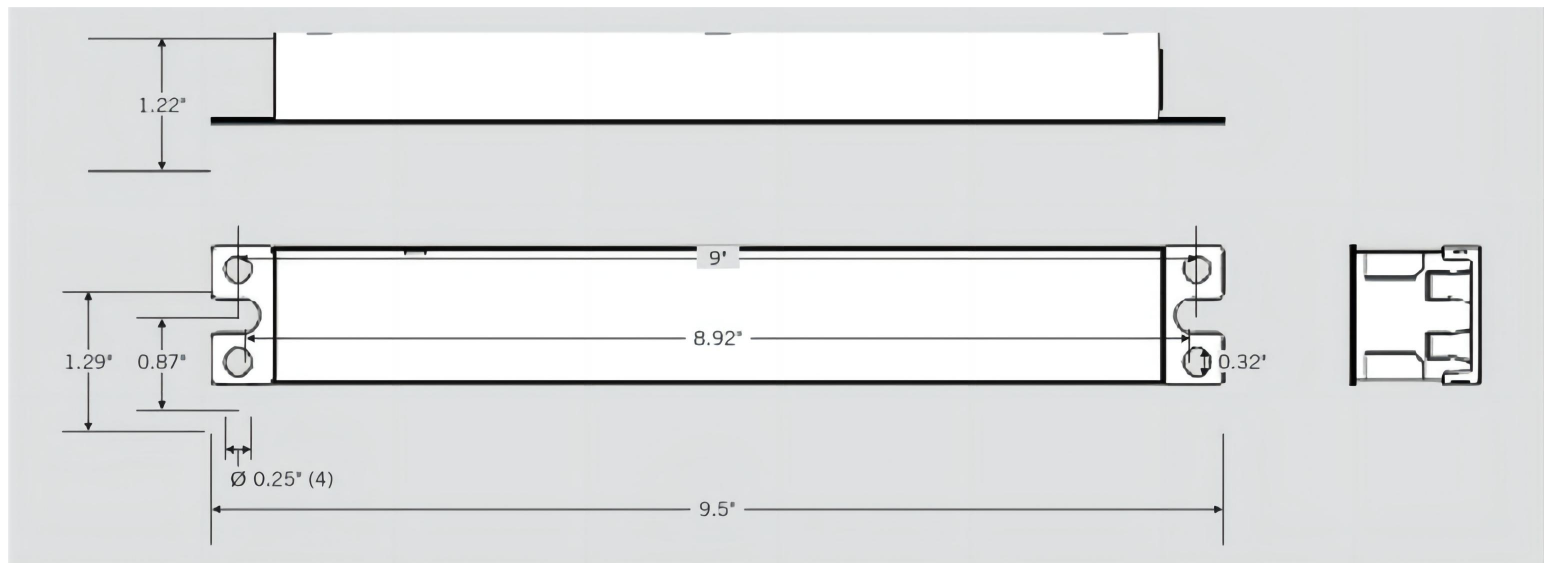
\* Emergency Pack does not meet CEC T20 requirements. Not to be sold or offered for sale in California, except when sold wholesale in California for final retail sale outside the state.

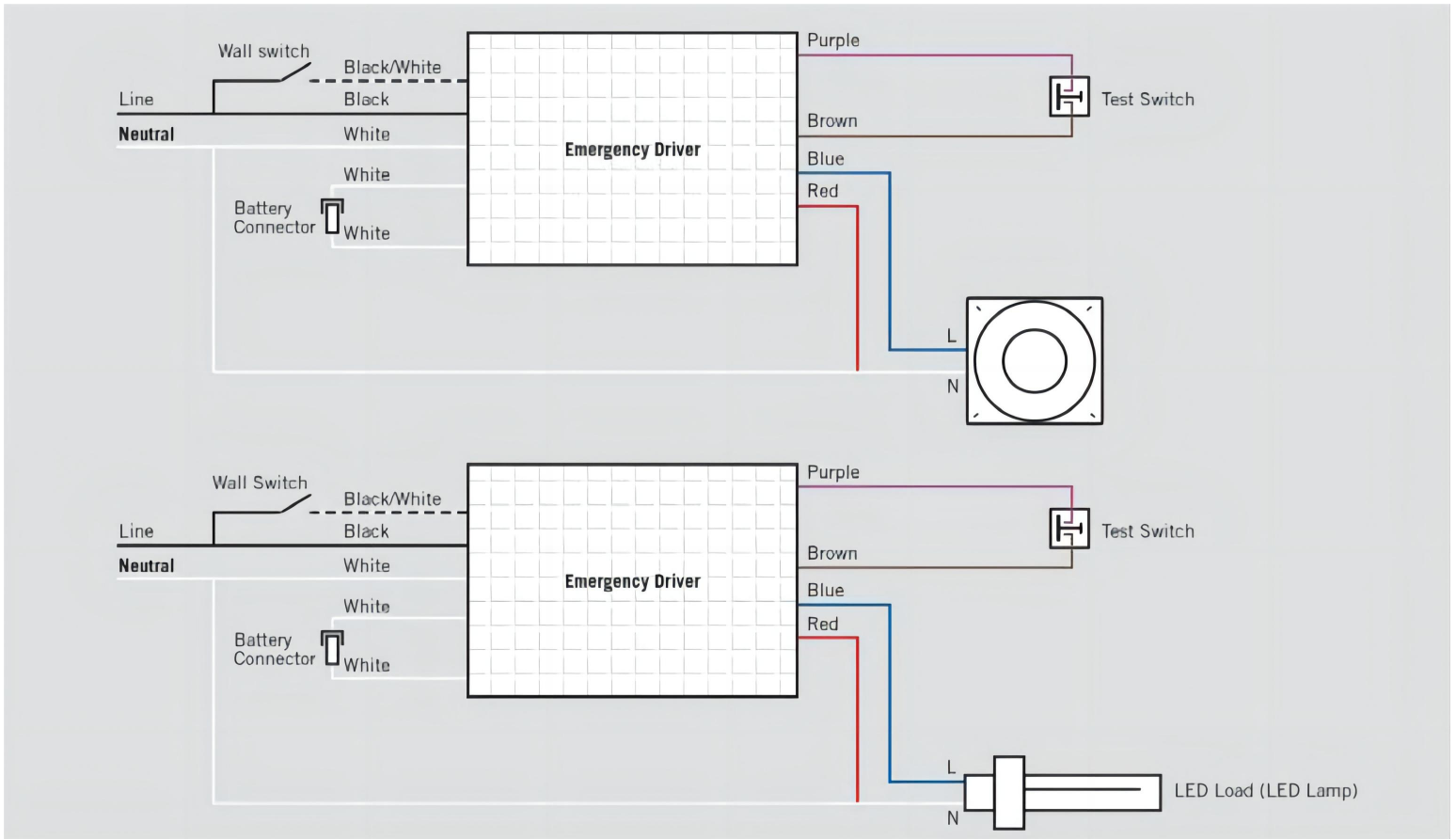
**ELECTRICAL**      Specifications

Family	INPUT CHARACTERISTICS			OUTPUT CHARACTERISTICS			LED Module Included
	Input Voltage	Power Factor	Max. Current	Max. Output Power	Rated Output Current	Output Voltage	
5W	120-277Vac	≥0.35	100mA @ 120V	5W	Load Dependant	40~300Vdc	No

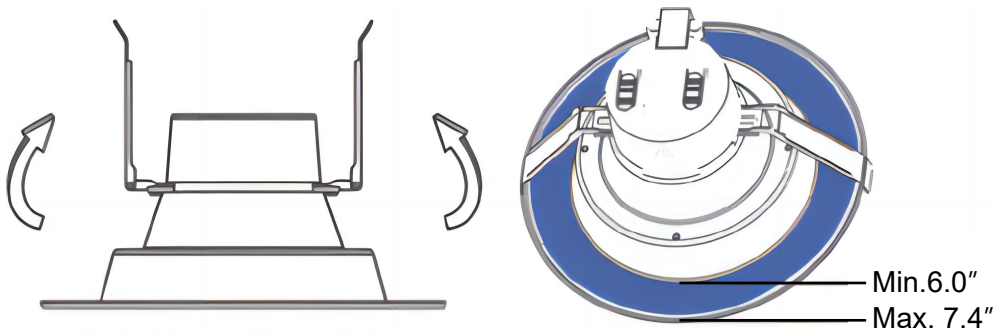
\* Emergency pack designed to deliver 5W to a constant current LED load. Approximate output is 500 lumens, assuming a nominal minimum efficacy of 100 lm/W.

**PHYSICAL**      Specifications





The adjustable housing clips allow for installation in a large range of commercial and architectural housings ranging from 6.0"-7.4" (153-190mm). These spring-action clips push up easily and fit securely for both retrofit and new construction installations.



1. Make sure the POWER IS TURNED OFF at the source to the recessed housing in which you are installing the product.
2. Remove the existing lamps and trim (fig. 1).
3. Attach the carabiner safety clip to the existing fixture housing (fig. 2).
4. Open the J-box and cut away all wires connected to the ballast. Insert lamp conduit into the J-box and wire to power source (black to hot, white to neutral, green to ground) (fig. 3). Reattach J-box cover when done.
5. Adjust the lamp power to desired lumen output by sliding the selector switch (fig. 4).
6. Squeeze the two housing clips so they are in an upright position and insert lamp into housing (fig. 5).
7. Once lamp is inside the housing, release the housing clips and continue pushing lamp into housing until securely fixed and flush with ceiling (fig. 6).

fig. 1

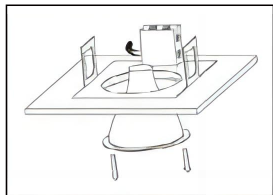


fig. 2



fig. 3



fig. 4

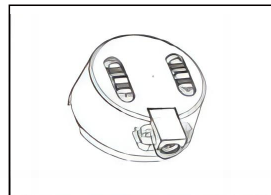


fig. 5

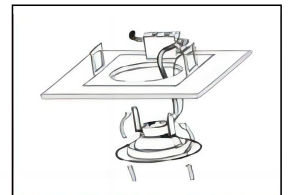
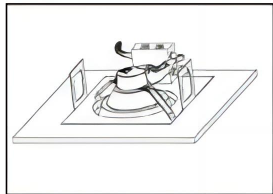


fig. 6



1. Make sure the POWER IS TURNED OFF at the source to the location in which you are installing the product.
2. Attach the carabiner safety clip to a secure place inside the ceiling (fig. 1).
3. Insert lamp conduit into the J-box and wire to power source (black to hot, white to neutral, green to ground) (fig. 2). Reattach J-box cover when done.
4. Adjust the lamp power to desired lumen output by sliding the selector switch (fig. 3).
5. Squeeze the two housing clips so they are in an upright position and insert lamp into the ceiling (fig. 4).
6. Once lamp is inside the ceiling, release the housing clips and continue pushing lamp into ceiling until securely fixed and flush (fig. 5).

fig. 1

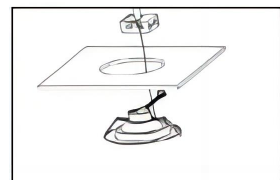


fig. 2

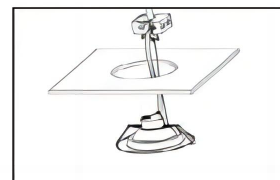


fig. 3

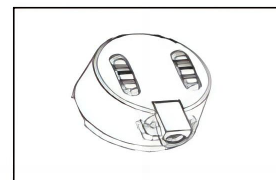


fig. 4

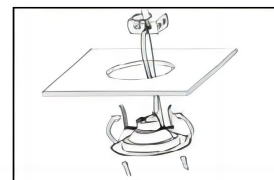


fig. 5

