

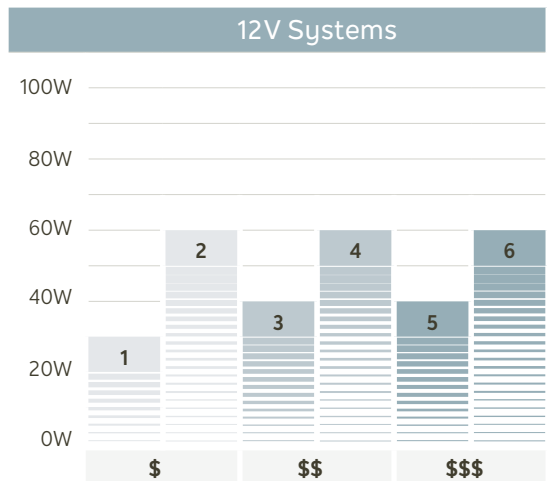
# Comparing Power Supplies

## Find the right power supply to suit your needs.

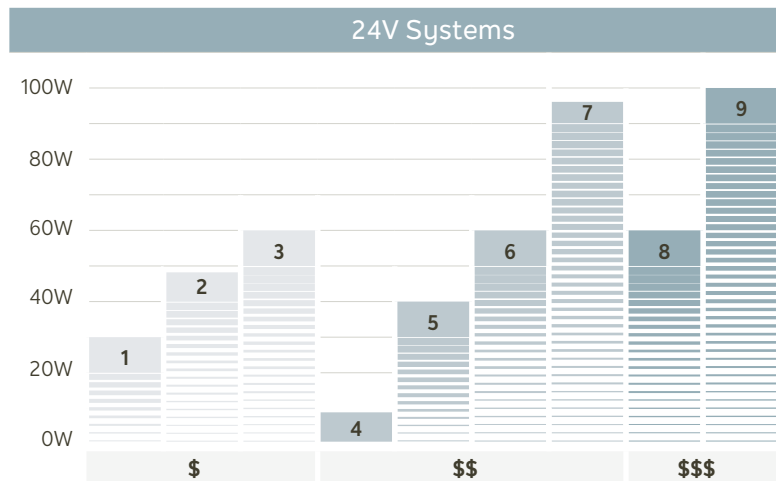
From Plug-In to Direct Wire to LED Driver + Dimmer combinations, Kichler Lighting power supplies cover a wide range of project needs. The charts below illustrate the range of operation for each type of driver, and the descriptions below help to further clarify the differences between each offering.

### BEFORE STARTING A PROJECT OR INSTALLATION

1. Calculate the total low voltage wattage load of your project.
2. Select a power supply that places the calculated load between 35% and 90% of the rated wattage.



1. 4TP12V30 Plug-in 30W
2. 4TP12V60 Plug-in 60W
3. 4TD12V40 Direct Wire Dimmable Power Supply 40W
4. 4TD12V60 Direct Wire Dimmable Power Supply 60W
5. 4DD12V040WH LED Driver + Dimmer 40W
6. 4DD12V060WH LED Driver + Dimmer 60W



1. 10190BK30 Plug-in 30W
2. 10190BK48 Plug-in 48W
3. 10190BK60 Plug-in 60W
4. 6TD24V10 Direct Wire Dimmable Power Supply 10W
5. 6TD24V40 Direct Wire Dimmable Power Supply 40W
6. 6TD24V60 Direct Wire Dimmable Power Supply 60W
7. 6TD24V96 Direct Wire Dimmable Power Supply 96W
8. 6DD24V060WH LED Driver + Dimmer 60W
9. 6DD24V100WH LED Driver + Dimmer 100W

### PLUG-IN POWER SUPPLIES

Plug-in power supplies are your least expensive option in terms of both cost and labor. Simply connect a DC jack supply lead to your tape and connect to the DC end of the power supply and you are ready to plug in to a standard outlet. The max wattage on a plug-in power supply is typically lower than direct wire power supplies, therefore plug-ins are more ideal for smaller projects. Also, unless prior planning allows for the outlet to be hidden, the cord to the nearest outlet might be visible.

### DIRECT WIRE DIMMABLE POWER SUPPLIES

Direct wire dimmable power supplies offer voltage control to help manage the power to your LED lighting system – ultimately maintaining the life of the product. These power supplies have an integrated wiring component – so no additional NEMA accessory component is required. This type of power supply will be mid-tier in terms of expense (cost + labor) as it requires prior planning and access to wall wiring. However, a greater amount of lighting can be connected to higher wattage models - maximizing the number of power supplies needed per design. Those with lower wattage are ideal for islands or small jobs to avoid having to run additional wire to remote installations.

### LED DRIVER + DIMMER

Having a driver + dimmer in one may seemingly appear to be the most expensive option; however it is a quite cost-effective option. With the driver + dimmer in one, you are purchasing, stocking, and installing one item – eliminating the need to install a dimmer separately. The driver + dimmer in one also reduces time spent selecting a compatible dimmer as that has been done for you.