

LED Dimming Drivers and Controls

[elliptipar LED luminaires](#) use high power factor constant current drivers. The table below provides driver information as well as links to the manufacturer's website. The dimming code in the catalog number determines the manufacturer and type of dimming driver used. For example: In this catalog number S315-R06M-S-00-M-00-0-30-**EL**-A the dimming code "EL" designates an eldoLED dimming driver which is compatible with 0-10V analog controls by others.

Dimming Code	Driver Manufacturer	Driver Model Numbers	Dims to % Power	Dimming Interface Type
00 ZX	Tridonic Linear	35W 50W 85W 96W	1%	0-10V
	Optotronic Compact	25W 40W 55W	1%	0-10V
EL	eldoLED SOLOdrive	30W 50W 75W 100W	0.1%	0-10V
ED	eldoLED SOLOdrive	30W 50W 75W 100W	0.1%	DALI
TD	ERP Power Tri-Dim	ESS Series PHB Series	6% (Phase) 1% (0-10V)	Forward Phase (120V), Reverse Phase (120V) 0-10V analog (120-277V)

Not all dimming drivers are available for each luminaire style (based on driver size and case configuration).

LED Drivers – Remote Distance

When remote mounting drivers, the allowable distance varies by the drive current and size of the wire. The table below shows maximum distance in feet (meters) based on 700mA drive current.

Dimming Code	Driver Manufacturer	Driver Model Numbers	Remote Distance #18 AWG	Remote Distance #16 AWG	Remote Distance #12 AWG
00 ZX	Optotronic Compact	25W 40W 55W	112 ft (34m)	178 ft (54m)	283 ft (86m)
EL	eldoLED SOLOdrive	30W 50W 75W 100W	72 ft (22m)	118 ft (36m)	118 ft (36m)
ED	eldoLED SOLOdrive	30W 50W 75W 100W	72 ft (22m)	118 ft (36m)	118 ft (36m)
TD	ERP Power Tri-Dim	ESS Series PHB Series	112 ft (34m)	178 ft (54m)	283 ft (86m)

LED Drivers – Minimum Starting Temperatures

0-10V Analog (ZX)	eldoLED (EL)	ERP Power (TD)
-20°C (-4°F)	-20°C (-4°F)	-20°C (-4°F)

MA-1303 AB