

Inspired LED — 24V COB Power Requirements

July 20, 2026 · Calculated at 80% max transformer load

24V Power Requirements

Power Source	COB 3.15 W/ft
20W LinDrive Dimmable Transformer (SKU 3942)	61" (5.1 ft) 16.0W load
40W LinDrive Dimmable Transformer (SKU 3943)	122" (10.2 ft) 32.0W load
48W (2 AMP) Plug-In Power Supply	146" (12.2 ft) 38.4W load
60W LinDrive Dimmable Transformer (SKU 8552)	183" (15.2 ft) 48.0W load
90W Mean Well Direct-Wire Driver (SKU3768)	274" (22.9 ft) 72.0W load
96W (4 AMP) Plug-In Power Supply	293" (24.4 ft) 76.8W load
96W EMCOD 5-in-1 Universal Driver (SKU 8624)	293" (24.4 ft) 76.8W load
150W Mean Well Direct-Wire Driver (SKU 3693)	457" (38.1 ft) 120.0W load
200W EMCOD 5-in-1 Universal Driver (SKU 8625)	610" (50.8 ft) 160.0W load
240W Mean Well Direct-Wire Driver (SKU 3886)	731" (61.0 ft) 192.0W load
300W EMCOD 5-in-1 Universal Driver (SKU 8626)	914" (76.2 ft) 240.0W load
320W Mean Well Direct-Wire Driver (SKU 3769)	975" (81.3 ft) 256.0W load

Please refer to voltage drop measurements below.

NEVER INSTALL COB WITH MAGNETIC TRANSFORMERS

Voltage Drop for COB: individual runs over 216" may show visible voltage drop. Power long runs from the center; maximum recommended single-run length is 432".

Power Source Load: for best performance and longevity, transformers/drivers are run at no more than 80% of rated capacity.

Please Note: power requirements shown are conservative estimates for general reference. Actual results may vary by system configuration. For assistance with complex systems, contact orders@inspiredled.com or design@inspiredled.com.