

24V Mega Bright 100ohm & 240ohm Power Requirements

Power Source	Maximum Length of Mega Bright 100ohm	Recommended 80% Load	Maximum Length of Mega Bright 240ohm	Recommended 80% Load
20 Watt Dimmable Transformer	35" (3ft)	16 Watts	61" (5ft)	12.8 Watts
40 Watt Dimmable Transformer	70" (6ft)	32 Watts	123" (10ft)	25.6 Watts
60 Watt Dimmable Transformer	105" (9ft)	48 Watts	184" (15ft)	38.4 Watts
90 Watt Mean Well Direct-Wire Driver	157" (13ft)	72 Watts	276" (23ft)	57.6 Watts
96 Watt Plug-In Power Supply (4 AMP)	168" (14ft)	76.8 Watts	295" (25ft)	61.44 Watts
96 Watt Dimmable Transformer	168" (14ft)	76.8 Watts	295" (25ft)	61.44 Watts
96 Watt EMCOD 5-in-1 Universal Driver	168" (14ft)	76.8 Watts	295" (25ft)	61.44 Watts
100 Watt Mean Well (ELG-150) Direct-Wire Driver	175" (15ft)	80 Watts	307" (26ft)	64 Watts
150 Watt Mean Well (ELG-200) Direct-Wire Driver	262" (22ft)	120 Watts	461" (38ft)	96 Watts
200 Watt EMCOD 5-in-1 Universal Driver	349" (29ft)	160 Watts	614" (51ft)	128 Watts
240 Watt Mean Well (HLG-240) Direct-Wire Driver	419" (35ft)	192 Watts	737" (61ft)	153.6 Watts
300 Watt EMCOD 5-in-1 Universal Driver	524" (44ft)	240 Watts	922" (77ft)	192 Watts
320 Watt Mean Well (HLG-320) Direct-Wire Driver	559" (47ft)	256 Watts	983" (82ft)	204.8 Watts

***Voltage Drop for Mega Bright 100ohm:** Individual runs over **150"** may experience visible voltage drop. To minimize, power long runs from the center. Maximum recommended run length is **300"**.

****Voltage Drop for Mega Bright 240ohm:** Individual runs over **360"** may experience visible voltage drop. To minimize, power long runs from the center. Maximum recommended run length is **720"**.

*****Power Source Load:** For best performance and longevity, operate transformers at **no more than 80%** of their rated capacity.

******Note:** Power requirements may vary depending on system configuration. Values shown are conservative estimates for general reference. For assistance with complex systems, contact orders@inspiredled.com or design@inspiredled.com