Daisy Chain Power Cord System
for Model-One System

This Daisy Chain Power Cord System is specially designed for the new Model-One System to interconnect between the LED drivers, the system can eliminate a massive amount of power outlets, and reduce the number of power cables required.

Each “group” of Model One drivers must be connected to power using one of the TDC-120/240/240E power cables. The TDC-2/3/4 are used to connect the power and the control signal from one LED driver, to the next LED driver.

Specifications

IP67

c ETL us Intertek 5008191



TDC-1
18AWG Daisy Chain Cord w/ Controller Connector Cable for Model One LED System

Input Voltage:	100-277V~, 50/60Hz
Amp:	10A
AWG:	18
Length:	15cm / 5.9”
Weight:	0.16 lbs (73 g)
Temperature Range:	32~104 ℉



TDC-2
18AWG 1’ Daisy Chain Cord for Model One LED System

Input Voltage:	100-277V~, 50/60Hz
Amp:	10A
AWG:	18
Length:	30cm / 1’
Weight:	0.21 lbs (94 g)
Temperature Range:	32~104 ℉



TDC-3
18AWG 2’ Daisy Chain Cord for Model One LED System

Input Voltage:	100-277V~, 50/60Hz
Amp:	10A
AWG:	18
Length:	60cm / 2’
Weight:	0.27 lbs (122 g)
Temperature Range:	32~104 ℉



TDC-4
18AWG 5’ Daisy Chain Cord for Model One LED System

Input Voltage:	100-277V~, 50/60Hz
Amp:	10A
AWG:	18
Length:	150cm / 5’
Weight:	0.51 lbs (230 g)
Temperature Range:	32~104 ℉



TDC-120
7ft Splitter Power Cord for Model One LED system
AWG #18 with NEMA 5-15 plug

Input Voltage:	120VAC, 50/60Hz
Amp:	10A
AWG:	18
Length:	7’
Weight:	0.41 lbs (185 g)
Temperature Range:	32~104 ℉



TDC-240
7ft Splitter Power Cord for Model One LED system
AWG #18 with NEMA 6-15 Plug

Input Voltage:	240VAC, 50/60Hz
Amp:	10A
AWG:	18
Length:	7’
Weight:	0.54 lbs (243 g)
Temperature Range:	32~104 ℉



TDC-240E
7ft Splitter Power Cord for Model One LED system
AWG #18 with CEE 7/7 Plug (for EU)

Input Voltage:	230VAC, 50/60Hz
Amp:	10A
AWG:	18
Length:	7’
Weight:	0.47 lbs (213 g)
Temperature Range:	32~104 ℉

CAUTION: Incorrect application may lead to equipment damage. The user is responsible for correct and safe installation and usage. Ensure the existing electrical system can support the voltage and current requirements.

ThinkGrow
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ThinkGrow Model One
Daisy-chain Cable Configuration

120 V / 10A AWG#18 branch circuit

LED Model	Max # LED in a string	LED Amps	LED Watts	Total Circuit Amps	% circuit load
TLD-2	11	0.75 A	90 W	8.25 A	83%
TLD-4	11	0.75 A	90 W	8.25 A	83%
ICL-300	8	1 A	120 W	8.00 A	80%

208 V / 10A AWG#18 branch circuit

LED Model	Max # LED in a string	LED Amps	LED Watts	Total Circuit Amps	% circuit load
TLD-2	19	0.43 A	90 W	8.22 A	82%
TLD-4	19	0.43 A	90 W	8.22 A	82%
ICL-300	14	0.58 A	120 W	8.08 A	81%

230 V / 10A AWG#18 branch circuit

LED Model	Max # LED in a string	LED Amps	LED Watts	Total Circuit Amps	% circuit load
TLD-2	21	0.39 A	90 W	8.22 A	82%
TLD-4	21	0.39 A	90 W	8.22 A	82%
ICL-300	16	0.52 A	120 W	8.35 A	83%

240 V / 10A AWG#18 branch circuit

LED Model	Max # LED in a string	LED Amps	LED Watts	Total Circuit Amps	% circuit load
TLD-2	22	0.38 A	90 W	8.25 A	83%
TLD-4	22	0.38 A	90 W	8.25 A	83%
ICL-300	16	0.50 A	120 W	8 A	80%

277 V / 10A AWG#18 branch circuit

LED Model	Max # LED in a string	LED Amps	LED Watts	Total Circuit Amps	% circuit load
TLD-2	25	0.32 A	90 W	8.12 A	81%
TLD-4	25	0.32 A	90 W	8.12 A	81%
ICL-300	19	0.43 A	120 W	8.23 A	82%

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