

# ◆ 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



**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 F



**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 F



**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 F



**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 F



**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 F



**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 F



**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 F

**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 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%