



LED Driver Selection Guide



Fulham is the preferred partner of over 3000 lighting manufacturers & distributors worldwide.

As a pioneer in the electronic lighting industry, we have the product breadth and expertise to meet the application requirements for achieving the light and performance you demand.

Our WorkHorse LED, HotSpot LED, and ThoroLED drivers, light sources and engines offer superior reliability, and greater value through more intelligent design, integration and performance.

Technology is only as good as the people who stand behind it.

The Fulham team not only has seldom matched in-depth application and vertical market expertise, but is consistently ranked as best in the industry for customer care.

This Selection Guide is designed to give you an idea of how our products can increase the value of yours, but our offerings are continually expanding. If you don't see exactly what you need, call us. You owe it to your customers to work with Fulham.



Programmable Drivers

Fulham's new WorkHorse LED family of programmable drivers brings the renowned flexibility and reliability of Fulham's WorkHorse fluorescent ballasts to the LED market.

With output currents programmable in 1mA increments, one WorkHorse LED driver can replace over 1600 fixed output driver SKUs. Attributes such as dimming curve, voltage, and lowest dimming percentage can also be customized, allowing the driver to match the output of existing fixtures or serve as a flexible platform for new luminaire designs.

Programming is simple, using either the handheld TBSP-100 SmartSet Controller or feature-rich SmartSet PC software. The driver does not need to be powered during programming, and an auto-program feature allows quick programming of multiple units.



- Compatible with the Fulham SmartSet programming system
- Wide programmable current range
- Advanced programming features: dimming curve, thermal feedback, grouping, and more
- One Touch Programming capability for high volume usage
- Certifications: cURus, CE, SELV, RoHS compliant
- UNV (120-277V) & 347V input models



SmartSet Software



For programming instructions and software, spec sheets, demo videos & more, please visit www.fulham.com



HotSpot Plus LED Driver & Emergency System

Fulham's innovative HotSpot Plus LED Driver and Emergency System combines the power of a programmable, 0-10V dimming LED driver with the reliability of an LED battery backup system.

In standard mode, the HotSpot Plus functions as a 40 Watt constant current LED driver, with a programmable output current range of 250 - 1400mA. The output current can be set through a portable handheld controller, or with a PC using advanced programming software.

During a power outage, the HotSpot Plus automatically engages an integrated backup battery, which provides 5W of power for 180 minutes or 10W for 90 minutes. Available in two form factors for maximum flexibility, the HotSpot Plus is the smallest complete emergency LED solution available.



TPSB-100
SmartSet Controller

- Lowers costs by eliminating need for separate emergency system
- Programmable output current allows replacement of multiple SKUs
- Two form factors available:
FHSAC1-UNV-40C: 6.3" x 3.1" x 1.1"
FHSAC1-UNV-40L: 9.5" x 2.4" x 1.3"
- SmartSet programming enables customized dimming curve for new or existing fixtures
- Single component simplifies wiring
- Universal voltage input
- NTC thermal feedback
- Self-diagnostic capability
- Replaceable battery

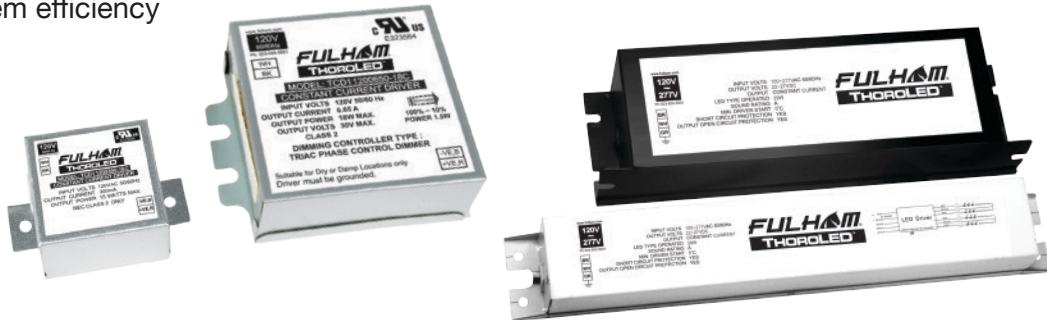
Fulham is a member of the Zhaga Consortium, a global organization that works to standardize LED components and simplify LED luminaire design and manufacturing.





Constant Current & Constant Voltage LED Drivers

- Compact size
- TRIAC, 0-10V, DMX, & DALI dimming models available
- 120V, 220V - 240V, UNV & 347V
- Optimized system efficiency
- UL Class 2



Outdoor Rated LED Drivers

- IP65 rated and above for outdoor applications and exposure to wet or damp conditions
- Applications include parks, walkways, refrigeration & vending, signs, and more
- cURus, CE



LED Modules & Emergency Solutions

Fulham LED drivers are designed for maximum compatibility & efficiency when paired with ThoroLED LED modules and HotSpot emergency systems. Visit www.fulham.com to learn more about the benefits of Fulham's integrated LED solutions.



FULHAM www.fulham.com | P/N: FLYER-DRIVERS REV: JAN16

North America • China • Europe • India • Latin America • Middle East

Fulham Headquarters: 12705 S. Van Ness Avenue, Hawthorne, CA 90250

Tel: +1 (323) 599-5000 Fax: +1 (323) 754-9060 • order@fulham.com

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FULHAM LED Drivers - Quick Spec Reference Sheet																			©Fulham 2016 Specifications subject to change without notice.	
Watts	Output Current or Voltage	Voltage/ Channel	Model Number	CC or CV	Input VAC (MLT=120-230V; UNV=120-277V)	Dimming	Channels	Max Watts/ Channel	IP Rating	Listings	Type TL	Eff %	PF	THD Full Load	Surge L-N/LN-G	Case Hot Spot Temp (°C)	Operating Ta Range (°C)	Class 2	Case Size (inches) includes Mounting Feet	
Dimmable LED Drivers																				
Programmable - Dimmable - Constant Current - (DALI)																				
40W	250-1050mA	10-57	T1A1UNV105P-40E	CC	UNV	DALI	1	40W	20	cURus/CE/RoHS	Yes	>88	>.90	<20%	2kV/4kV	88	-40~60	Yes	L=10.83, W= 1.22, H= 0.98	
60W	250-1050mA	10-57	T1A1UNV105P-60E	CC	UNV	DALI	1	60W	20	cURus/CE/RoHS	Yes	>88	>.90	<20%	2kV/4kV	85	-40~59	Yes	L= 9.33, W= 1.59, H= 1.18	
60W	250-1050mA	10-57	T1A1UNV105P-60F	CC	UNV	DALI	1	60W	20	cURus/CE/RoHS	Yes	>88	>.90	<20%	2kV/4kV	88	-40~60	Yes	L= 4.98, W= 2.99, H= 1.22	
60W	250-1050mA	10-57	T1A1UNV105P-60G	CC	UNV	DALI	1	60W	20	cURus/CE/RoHS	Yes	>88	>.90	<20%	2kV/4kV	88	-40~60	Yes	L= 4.98, W= 2.99, H= 1.22	
Programmable - Dimmable - Constant Current - (0-10V)																				
40W	250-1050mA	10-57	T1M1UNV105P-40E	CC	UNV	0-10V	1	40W	20	cURus/CE/RoHS	Yes	>85	>.90	<20%	2kV/4kV	88	-40~60	Yes	L=10.83, W= 1.22, H= 0.98	
60W	250-1050mA	10-57	T1M1UNV105P-60E	CC	UNV	0-10V	1	60W	20	cURus/CE/RoHS	Yes	>88	>.90	<20%	2kV/4kV	85	-40~59	Yes	L= 9.33, W= 1.59, H= 1.18	
60W	250-1050mA	10-57	T1M1UNV105P-60F	CC	UNV	0-10V	1	60W	20	cURus/CE/RoHS	Yes	>88	>.90	<20%	2kV/4kV	88	-40~60	Yes	L= 4.98, W= 2.99, H= 1.22	
60W	250-1050mA	10-57	T1M1UNV105P-60G	CC	UNV	0-10V	1	60W	20	cURus/CE/RoHS	Yes	>88	>.90	<20%	2kV/4kV	88	-40~60	Yes	L= 4.98, W= 2.99, H= 1.22	
80W	350-700mA	50-200	T1M1347070P-80L	CC	347V	0-10V	1	80W	65	cURus/CE/RoHS	No	>88	>.95	<20%	4kV/4kV	90	-40~60	No	L= 9.49, W= 1.69, H= 1.17	
120W	350-1050mA	50-225	T1M1347105P-120L	CC	347V	0-10V	1	120W	65	cURus/CE/RoHS	No	>90	>.98	<20%	4kV/4kV	90	-25~50	No	L=9.47, W= 2.33, H= 1.46	
160W	350-1050mA	75-300	T1M1347105P-160L	CC	347V	0-10V	1	160W	65	cURus/CE/RoHS	No	>92	>.98	<20%	4kV/4kV	90	-25~50	No	L=9.47, W= 2.33, H= 1.46	
Programmable - All-in-One - Dimmable - Constant Current - (0-10V)																				
40W	250-1400mA	11-57	FHSAC1-UNV-40C	CC	UNV	0-10V	1	40W	Damp	cURus/CE/RoHS	Yes	>80	>.90	<20%	2kV/4kV	TBD	0~40	Yes	L=6.32, W=3.13, H= 1.14	
40W	250-1400mA	11-57	FHSAC1-UNV-40L	CC	UNV	0-10V	1	40W	Damp	cURus/CE/RoHS	Yes	>80	>.90	<20%	2kV/4kV	TBD	TBD	Yes	L=9.50, W= 2.40, H= 1.34	
Dimmable Constant Current (0-10V)																				
15W	350mA	21-42	T1M1UNV0350-15F	CC	UNV	0-10V	1	15W	64	cURus/CE/RoHs	Yes	>80	>.90	<20%	1kV/2kV	90	-40~72	Yes	L=3.19, W=2.83, H=0.98	
15W	350mA	21-42	T1M1UNV0350-15L	CC	UNV	0-10V	1	15W	64	cURus/CE/RoHs	Yes	>82	>.90	<20%	1kV/2kV	90	-40~60	Yes	L=3.94, W=1.18, H=0.91	
15W	350mA	18-42	T1M13470350-15C	CC	347V	0-10V	1	15W	64	cURus/RoHs	No	>77	>.90	<20%	1kV/2kV	90	-25~70	Yes	L=4.72, W=2.69, H=1.22	
15W	350mA	18-42	T1M13470350-15V	CC	347V	0-10V	1	15W	64	cURus/RoHs	No	>77	>.90	<20%	1kV/2kV	90	-20~70	Yes	L=4.72, W=2.69, H=1.22	
20W	500mA	18-42	T1M13470500-20C	CC	347V	0-10V	1	20W	64	cURus/RoHs	No	>80	>.90	<20%	1kV/2kV	90	-25~70	Yes	L=4.72, W=2.69, H=1.22	
20W	500mA	18-42	T1M13470500-20V	CC	347V	0-10V	1	20W	64	cURus/RoHs	No	>80	>.90	<20%	1kV/2kV	90	-20~70	Yes	L=4.72, W=2.69, H=1.22	
25W	600mA	18-42	T1M13470600-25C	CC	347V	0-10V	1	25W	64	cURus/RoHs	No	>80	>.90	<20%	1kV/2kV	90	-25~70	Yes	L=4.72, W=2.69, H=1.22	
27W	650mA	18-42	T1M13470650-28C	CC	347V	0-10V	1	27W	64	cURus/RoHs	No	>80	>.90	<20%	1kV/2kV	90	-25~70	Yes	L=4.72, W=2.69, H=1.22	
28W	700mA	18-40	T1M13470700-28C	CC	347V	0-10V	1	28W	64	cURus/RoHs	No	>80	>.90	<20%	1kV/2kV	90	-25~74	Yes	L=4.72, W=2.69, H=1.22	
28W	700mA	18-40	T1M13470700-28V	CC	347V	0-10V	1	28W	64	cURus/CE/RoHs	No	>80	>.90	<20%	1kV/2kV	90	-25~74	Yes	L=4.72, W=2.69, H=1.22	
28W	700mA	12-40 /12	T1M1UNV0700-28C	CC	UNV	0-10V	1	28W	64	cURus/CE/RoHs	No	>80	>.90	<20%	1kV/2kV	90	-25~62	Yes	L=3.15, W=2.99, H=1.02	
28W	700mA	12-40 /12	T1M1UNV0700-28BL	CC	UNV	0-10V	1	28W	64	cURus/CE/RoHs	No	>80	>.90	<20%	1kV/2kV	90	-25~62	Yes	L=3.15, W=2.99, H=1.02	
30W	700mA	21-42	T1M1UNV0700-30F	CC	UNV	0-10V	1	30W	64	cURus/CE/RoHs	Yes	>80	>.90	<20%	1kV/2kV	90	-40~58	Yes	L=2.83, W=3.19, H=0.98	
30W	700mA	21-42	T1M1UNV0700-30L	CC	UNV	0-10V	1	30W	64	cURus/CE/RoHs	Yes	>80	>.90	<20%	1kV/2kV	90	-40~58	Yes	L=4.65, W=1.18, H=1.16	
40W	1000mA	18-40	T1M13471000-40C	CC	347V	0-10V	1	40W	64	cURus/RoHs	No	>85	>.90	<20%	1kV/2kV	90	-25~62	Yes	L=4.72, W=2.69, H=1.22	
40W	1050mA	18-38	T1M13471050-40C	CC	347V	0-10V	1	40W	64	cURus/RoHs	No	>85	>.90	<20%	1kV/2kV	90	-25~62	Yes	L=4.72, W=2.69, H=1.22	
40W	1050mA	18-38	T1M13471050-40V	CC	347V	0-10V	1	40W	64	cURus/RoHs	No	>85	>.90	<20%	1kV/2kV	90	-20~62	Yes	L=4.72, W=2.69, H=1.22	
40W	700mA	18-57	T1M13470700-40C	CC	347V	0-10V	1	40W	64	cURus/RoHS	No	>80	>.90	<20%	1kV/2kV	90	-25~68	Yes	L=4.72, W=2.69, H=1.22	
40W	700mA	18-57	T1M13470700-40V	CC	347V	0-10V	1	40W	64	cURus/CE/RoHS	No	>80	>.90	<20%	1kV/2kV	90	-25~68	Yes	L=4.72, W=2.69, H=1.22	
40W	700mA	18-58 /12	T1M1UNV0700-40C	CC	UNV	0-10V	1	40W	64	cURus/CE/RoHS	No	>80	>.90	<20%	2kV/4kV	90	-25~61	Yes	L=4.72, W=2.69, H=1.22	
40W	700mA	18-58 /12	T1M1UNV0700-40V	CC	UNV	0-10V	1	40W	64	cURus/CE/RoHS	No	>80	>.90	<20%	2kV/4kV	90	-25~61	Yes	L=4.72, W=2.69, H=1.22	
40W	820mA	18-48	T1M13470820-40C	CC	347V	0-10V	1	40W	64	cURus/RoHS	No	>85	>.90	<20%	1kV/2kV	90	-25~62	Yes	L=4.72, W=2.69, H=1.22	
40W	850mA	18-47	T1M13470850-40C	CC	347V	0-10V	1	40W	64	cURus/RoHS	No	>85	>.90	<20%	1kV/2kV	90	-25~62	Yes	L=4.72, W=2.69, H=1.22	
40W	900mA	10-40	T1M1UNV0900-40L	CC	UNV	0-10V	1	40W	64	cURus/CE/RoHS	Yes	>85	>.90	<20%	1kV/2kV	90	-20~60	Yes	L=9.49, W=1.30, H=1.06	
40W	950mA	18-42	T1M13470950-40C	CC	347V	0-10V	1</													

Watts	Output Current or Voltage	Voltage/ Channel	Model Number	CC or CV	Input VAC (MLT=120-230V; UNV=120-277V)	Dimming	Channels	Max Watts/ Channel	IP Rating	Listings	Type TL	Eff %	PF	THD Full Load	Surge L-N/LN-G	Case Hot Spot Temp (°C)	Operating Ta Range (°C)	Class 2	Case Size (inches) includes Mounting Feet
Dimmable Constant Voltage (0-10V)																			
20W	12V	12	T1M1UNV012V-20L	CV	UNV	0-10V	1	20W	62	cURus/CE/RoHS	No	>80	>.90	<20%	1kV/2kV	90	-20~73	Yes	L=6.30, W=1.57, H=0.98
20W	24V	24	T1M1UNV024V-20L	CV	UNV	0-10V	1	20W	Damp	cURus/CE/RoHS	No	>80	>.90	<20%	1kV/2kV	90	-20~73	Yes	L=6.30, W=1.57, H=0.98
60W	12V	12	T1M1UNV012V-60L	CV	UNV	0-10V	1	60W	64	cURus/CE/RoHS	Yes	>80	>.90	<20%	2kV/4kV	89	-25~59	Yes	L=8.32, W=1.69, H=1.22
60W	24V	24	T1M1UNV024V-60L	CV	UNV	0-10V	1	60W	64	cURus/CE/RoHS	Yes	>80	>.90	<20%	2kV/4kV	89	-25~60	Yes	L=9.49, W=1.69, H=1.22
75W	12V	12	T1M1UNV012V-75L	CV	UNV	0-10V	1	75W	64	cURus/CE/RoHS	Yes	>82	>.90	<20%	2kV/4kV	89	-25~51	No	L=9.49, W=1.69, H=1.22
75W	24V	24	T1M1UNV024V-75L	CV	UNV	0-10V	1	75W	64	cURus/CE/RoHS	Yes	>86	>.90	<20%	2kV/4kV	88	-25~53	Yes	L=9.49, W=1.69, H=1.22
Dimmable Constant Current (TRIAC) - (Compatible with both Leading & Trailing Edge Dimmers)																			
9W	700mA	7-13	TCD11200700-9C	CC	120V	TRIAC	1	9W	Damp	cURus/RoHS	No	>65	>.95	<10%	1kV/2kV	76	-25~40	Yes	L=3.15, W=1.80, H=1.01
9W	700mA	7-12.8	T1T11200700-9C	CC	120V	TRIAC	1	9W	Damp	cURus/RoHS	No	>68	>.90	<20%	1kV/2kV	76	-25~40	Yes	L=3.20, W=2.83, H=1.00
11W	350mA	12-40	TCD11200350-11C	CC	120V	TRIAC	1	11W	Damp	cURus/RoHS	No	>75	>.70	<10%	1kV/2kV	90	-25~75	Yes	L=3.21, W=2.83, H=1.01
15W	350mA	21-42	T1T11200350-15L	CC	120V	TRIAC	1	15W	64	cURus/RoHS	Yes	>82	>.90	<20%	1kV/2kV	88	-40~60	Yes	L=3.94, W=1.18, H=0.91
17W	350mA	26-49	T1T11200350-17CB	CC	120V	TRIAC	1	17W	64	cURus/RoHS	Yes	>80	>.95	<20%	1kV/2kV	90	-40~60	Yes	L=2.83, W=3.20, H=1.00
17W	650mA	13-26	T1T11200650-17CA	CC	120V	TRIAC	1	17W	64	cURus/RoHS	Yes	>80	>.95	<20%	1kV/2kV	85	-40~56	Yes	L=2.83, W=3.20, H=1.00
18W	650mA	17-27	TCD11200650-18C	CC	120V	TRIAC	1	18W	Damp	cURus/RoHS	No	>70	>.90	<20%	1kV/2kV	82	-25~40	Yes	L=2.13, W=2.36, H=1.00
18W	700mA	17-26	T1T11200700-18C	CC	120V	TRIAC	1	18W	62	cURus/CE/RoHS	No	>75	>.90	<20%	1kV/2kV	82	-25~59	Yes	L=2.83, W=3.20, H=1.00
18W	700mA	13-26	T1T1120070018CA	CC	120V	TRIAC	1	18W	64	cURus/RoHS	Yes	>80	>.95	<20%	1kV/2kV	85	-40~56	Yes	L=2.83, W=3.20, H=1.00
20W	1000mA	11-20	T1T11201000-20C	CC	120V	TRIAC	1	20W	62	cURus/RoHS	No	>80	>.90	<20%	0.5kV/1kV	86	-25~64	Yes	L=4.18, W=2.20, H=1.14
30W	700mA	21-42	T1T11200700-30C	CC	120V	TRIAC	1	30W	64	cURus/RoHS	Yes	>81.5	>.95	<20%	1kV/2kV	84	-40~46	Yes	L=3.35 W=2.56, H=0.75
30W	700mA	21-42	T1T11200700-30L	CC	120V	TRIAC	1	30W	64	cURus/RoHS	Yes	>81.5	>.95	<20%	1kV/2kV	80	-40~52	Yes	L=4.65, W=1.18, H=1.16
Non-Dimmable LED Drivers																			
Non-Dimmable Constant Current																			
6W	350mA	3-20	TC11200350-6C	CC	120V	No	1	6W	Damp	cURus/RoHS	No	>75	>.50	-	0.5kV/1kV	85	-25~55	Yes	L=2.57, W=1.77, H=0.98
6W	350mA	3-16	TC12300350-6L	CC	220V - 240V	No	1	6W	Damp	cURus/RoHS	No	>80	>.50	-	0.5kV/1kV	75	-15~45	Yes	L=3.21, W=1.68, H=0.91
6W	700mA	3-8	TC12300700-6L	CC	220V - 240V	No	1	6W	Damp	cURus/RoHS	No	>80	>.50	-	0.5kV/1kV	75	-15~45	Yes	L=3.21, W=1.68, H=0.91
12W	350mA	9-36	TC12300350-12L	CC	220V - 240V	No	1	12W	Damp	cURus/CE/RoHS	No	>85	>.50	-	0.5kV/1kV	75	-15~45	Yes	L=4.84, W=1.78, H=0.75
12W	700mA	3-18	TC12300700-12L	CC	220V - 240V	No	1	12W	Damp	cURus/CE/RoHS	No	>85	>.50	-	0.5kV/1kV	75	-15~45	Yes	L=4.84, W=1.78, H=0.75
15W	350mA	20-46	TC11200350-15C	CC	120V	No	1	15W	Damp	cURus/RoHS	No	>80	>.50	-	1kV/2kV	75	-30~40	Yes	L=2.57, W=1.77, H=0.98
18W	700mA	10-26	TC11200700-18C	CC	120V	No	1	18W	Damp	cURus/RoHS	No	>80	>.90	<20%	1kV/2kV	82	-25~40	Yes	L=3.125, W=2.36, H=1.00
28W	700mA	12-40	T1UNV0700-28BL	CC	UNV	No	1	28W	Damp	cURus/CE/RoHS	Yes	>80	>.90	<20%	1.2kV/2.4kV	90	-40~66	Yes	L=3.15, W=2.99, H=1.06
28W	700mA	12-40	T1UNV0700-28C	CC	UNV	No	1	28W	Damp	cURus/CE/RoHS	Yes	>80	>.90	<20%	1.2kV/2.4kV	90	-40~66	Yes	L=3.15, W=2.99, H=1.06
33W	700mA	26-48	T1UNV0700-36C	CC	UNV	No	1	33W	66	UR/CE/RoHS	Yes	>80	>.90	< 20%	1kV/2kV	85	-30~70	Yes	L=3.74, W=2.76, H=1.26
40W	700mA	18-58	T1UNV0700-40C	CC	UNV	No	1	40W	64	cURus/CE/RoHS	Yes	>80	>.90	<20%	2kV/4kV	90	-25~61	Yes	L=3.74, W=2.76, H=1.19
42W	1050mA	12-40	T1UNV1050-42C	CC	UNV	No	1	42W	64	cURus/CE/RoHS	No	>83	>.90	<20%	2kV/4kV	90	-25~60	Yes	L=3.74, W=2.76, H=1.22
60W	350mA	80-180	T1UNV0350-60L	CC	UNV	No	1	60W	64	cURus/CE/RoHS	Yes	>89	>.90	< 20%	2kV/4kV	90	-25~63	No	L=7.72, W=1.69, H=1.22
60W	1400mA	20-43	T1UNV1400-60L	CC	UNV	No	1	60W	64	cURus/CE/RoHS	No	89	>.90	< 20%	2kV/4kV	90	-25~63	Yes	L=7.72, W=1.69, H=1.18
150W	1000mA	75-105	T1UNV1000-105L	CC	UNV	No	1	105W	65	cURus/CE/RoHS	Yes	88	>.90	< 20%	2kV/4kV	88	-20~51	No	L=7.76, W=2.56, H=1.5
200W	700mA	171-285	T1UNV700-200L	CC	UNV	No	1	200W	65	cURus/CE/RoHS	Yes	91	>.90	< 20%	2kV/4kV	85	-20~61	No	L=8.86, W=2.66, H=1.56
200W	1000mA	114-190	T1UNV1050-200L	CC	UNV	No	1	200W	65	cURus/CE/RoHS	Yes	91	>.90	< 20%	1kV/2kV	85	-20~61	No	L=8.86, W=2.66, H=1.56
210W	1000mA	150-210	T1UNV1000-210L	CC	UNV	No	1	210W	65	cURus/CE/RoHS	Yes	91	>.90	< 20%	1kV/2kV	85	-20~61	No	L=8.86, W=2.66, H=1.56
Multiple Outputs																			
50W	350mA	18-56	TC3MLT0350-50L	CC	MLT	No	3	18.5W	62	cURus/CE/RoHS	No	>82	>.90	< 20%	1kV/2kV	90	-33~60	Yes	L=18.00, W=1.72, H=1.00
50W	350mA	18-48	TCD3MLT0350-50L	CC	MLT	No	3	18.5W	62	cURus/RoHS	No	>82	>.90	< 20%	1kV/2kV	90	-33~60	Yes	L=14.76, W=1.72, H=1.00
55W	350mA	18-56	TCD3MLT0350-55L	CC	MLT	No	3	18.5W	62	UR/CE/RoHS	No	>82	>.90	< 20%	1kV/2kV	75	-33~60	Yes	L=14.76, W=1.72, H=1.00
75W	500mA	15-49	TC31200500-75LA	CC	120V	No	3	25W	62	cURus/RoHS	No	>84	>.90	<20%	1kV/2kV	90	-40~50	Yes	L=12.00, W=1.34, H=1.00
80W	500mA	18-56	TC3MLT0500-80L	CC	MLT	No	3	27W	62	cURus/CE/RoHS	No	>83	>.90	< 20%	1kV/2kV	90	-30~50	Yes	L=18.00, W=1.72, H=1.03
Non-Dimmable Constant Voltage																			
20W	12V	12	T1UNV012V-20L	CV	UNV	No	1	20W	62	cURus/CE/RoHS	No	>82	>.90	<20%	1kV/2kV	90	-25~73	Yes	L=5.51, W=1.57, H=0.98
20W	24V	24	T1UNV024V-20L	CV	UNV	No	1	20W	62	cURus/CE/RoHS	No	>80	>.90	<20%	1kV/2kV	90	-25~73	Yes	L=6.30, W=1.57, H=0.98
60W	12V	12	T1UNV012V-60L	CV	UNV	No	1	60W	66	cURus/CE/RoHS	No	>85	>.90	<20%	2kV/4kV	88	-25~60	Yes	L=9.49, W=1.70, H=1.21
60W	12V	12	T1120012V-60LE	CV	120V	No	1	60W	64	cURus/CE/RoHS	No	>85	>.90	<20%	2kV/4kV	90	-25~64	Yes	L=9.49, W=1.69, H=1.22
60W	12V	12	T1UNV012V-60LF	CV	UNV	No	1	60W	64	cURus/CE/RoHS	No	>83	>.90	<20%	2kV/4kV	90	-25~63	Yes	L=9.49, W=1.69, H=1.22
60W	12V	12	T1UNV012V-60LG	CV	UNV	No	1	60W	68	cURus/CE/RoHS	Yes	>82	>.90	<20%	2kV/4kV	89	-25~55	Yes	L=9.53, W=1.67, H=1.34
60W	24V	24	T1UNV024V-60L	CV	UNV	No	1	60W	66	cURus/CE/RoHS	No	>85	>.90	<20%	2kV/4kV	90	-25~60	Yes	L=9.49, W=1.70, H=1.21
60W	24V	24	T1UNV024V-60LF	CV	UNV	No	1	60W	64	cURus/CE/RoHS	Yes	>85	>.90	<20%	2kV/4kV	90	-25~60	Yes	L=9.49, W=1.69, H=1.22
75W	12V	12	T1UNV012V-75L	CV	UNV	No	1	75W	64	cURus/CE/RoHS	Yes	>80	>.90	<20%	2kV/4kV	89	-25~51	No	L=9.49, W=1.69, H=1.22
75W	24V	24	T1UNV024V-75L	CV	UNV	No	1	75W	64	cURus/CE/RoHS	Yes	>80	>.90	<20%	2kV/4kV	88	-25~53	Yes	L=9.49, W=1.69, H=1.22
100W	24V	24	T1UNV024V-100LE	CV	UNV	No	1	100W	64	cURus/CE/RoHS	No	>87	>.90	<10%	4kV/4kV	88	-40~57	Yes	L=9.49, W=1.69, H=1.22
100W	24V	24	T1UNV024V-100LS	CV	UNV	No	1	100W	64	cURus/RoHS	No	>87	>.90	<10%	2kV/4kV	89	-25~60	Yes	L=10.27, W=1.59, H=1.19
100W	30V	30	T1UNV030V-100LS	CV	UNV	No	1	100W	66	cURus/CE/RoHS	No	>87	>.90	<20%	2kV/4kV	88	-25~60	Yes	L=10.27, W=1.59, H=1.19
150W	24V	24	T1UNV024V-150L	CV	UNV	No	1	150W	67	cURus/CE/RoHS	Yes	>90	>.90	<20%	4kV/6kV	89	-40~53	No	L=8.94, W=2.66, H=1.56
150W	48V	48	T1UNV048V-150L	CV	UNV	No	1	150W	62	cURus/RoHS	No	>90	>.90	<10%	2kV/4kV	81	-25~60	No	L=8.28, W=2.56, H=1.52