



QTLS

12V or 24V AC Power Supply -
150W-1500W



- Single power supply ranging from 150W to 1500W
- Designed for indoor applications
- Focuses on providing the quietest, most efficient, safest, versatile, and longest-lasting power supply in the industry
- Comes standard with five taps for fine-tuning voltage adjustments at the transformer
- UL listed for surface or recess mounting
- Suitable for installation into a 2"x4" stud wall
- Can be installed in any thickness of drywall
- Provides reliable and consistent power supply for indoor lighting applications

1	2	3	4	5	6	7	8	9
PRODUCT	WATTAGE	PRIMARY VOLTAGE	SECONDARY VOLTAGE	NUMBER OF BREAKERS	BREAKER AMPERAGE	CHOKE	COLOR	OPTIONS
QTLS								

Sample Part Number: **QTLS-150W-120-24V-1-10-CK-S-BK-PL**

1	PRODUCT	2	WATTAGE	3	PRIMARY VOLTAGE	4	SECONDARY VOLTAGE	5	NUMBER OF BREAKERS
	QTLS		150W 300W 500W 600W 750W 900W 1050W 1200W 1350W 1500W		120 60Hz 230 50/60Hz 277 60Hz 230 & 277 not standard, call factory for pricing		12V 24V 120V 5.5V 5.5V & 120V not standard, call factory for pricing		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
6	BREAKER AMPERAGE	7	CHOKE	8	COLOR	9	OPTIONS		
	5 10 12.5 15 20 25		CK-S 150W-300W CK-L 500W-750W CK-XL 900W-1500W		WH White (Standard) BK Black Powder Coat Finish		N/A PL Plenum Rated		

PRODUCT INFORMATION

- UL 2108 & 1598 listed
- Surface, ceiling or wall mount
- Recessed wall mount type IC
- Suitable for use in insulated space — zero clearance
- Suitable for use in closets with clothes in direct contact
- Inherently protected type IC for supply connections use wire rated for at least 75°C
- Suitable for indoor use only
- Suitable for damp locations
- Use dimmers rated for magnetic low voltage load
- Complies with N.E.C. article 411
- Isolation toroidal transformer
- 50/60 cycle A.C. only
- 10 Year Warranty



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VOLTAGE DROP CHART

Secondary tap connection

No Dimming - use primary tap #1

Load Wattage (W)	TAP 2, 12V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	57	36	23	14	9	6
300	29	18	11	7	4	3
600	14	9	6	4	2	1
750	11	7	5	3	2	1
900	10	6	4	2	1	1
1200	7	5	3	2	1	1
1500	6	4	2	1	1	1

Load Wattage (W)	TAP 3, 13V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	121	76	48	30	19	12
300	60	38	24	15	9	6
600	30	19	12	8	5	3
750	24	15	10	6	4	2
900	20	13	8	5	3	2
1200	15	10	6	4	2	1
1500	12	8	5	3	2	1

Load Wattage (W)	TAP 4, 14V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	185	116	73	46	29	18
300	92	58	37	23	14	9
600	46	29	18	11	7	5
750	37	23	15	9	6	4
900	31	19	12	8	5	3
1200	23	15	9	6	4	2
1500	18	12	7	5	3	2

Load Wattage (W)	TAP 5, 15V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	248	156	98	62	39	24
300	124	78	49	31	19	12
600	62	39	25	15	10	6
750	50	31	20	12	8	5
900	41	26	16	10	6	4
1200	31	20	12	8	5	3
1500	25	16	10	6	4	2

Load Wattage (W)	TAP 2, 24V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	229	144	91	57	36	23
300	115	72	45	29	18	11
600	57	36	23	14	9	6
750	46	29	18	11	7	5
900	38	24	15	10	6	4
1200	29	18	11	7	4	3
1500	23	14	9	6	4	2

Load Wattage (W)	TAP 3, 26V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	484	304	191	120	76	48
300	242	152	96	60	38	24
600	121	76	48	30	19	12
750	97	61	38	24	15	10
900	81	51	32	20	13	8
1200	60	38	24	15	9	6
1500	48	30	19	12	8	5

Load Wattage (W)	TAP 4, 28V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	739	464	292	184	116	73
300	369	232	146	92	58	36
600	185	116	73	46	29	18
750	148	93	58	37	23	15
900	123	77	49	31	19	12
1200	92	58	37	23	14	9
1500	74	46	29	18	12	7

Load Wattage (W)	TAP 5, 30V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	993	624	393	247	155	98
300	497	312	196	124	78	49
600	248	156	98	62	39	24
750	199	125	79	49	31	20
900	166	104	65	41	26	16
1200	124	78	49	31	19	12
1500	99	62	39	25	16	10

With Dimming - use primary tap #2

Load Wattage (W)	TAP 2, 12V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	TAP 2 NOT RECOMMENDED FOR USE WITH DIMMER					
300						
600						
750						
900						
1200						
1500						

Load Wattage (W)	TAP 3, 13V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	57	36	23	14	9	6
300	29	18	11	7	4	3
600	14	9	6	4	2	1
750	11	7	5	3	2	1
900	10	6	4	2	1	1
1200	7	5	3	2	1	1
1500	6	4	2	1	1	1

Load Wattage (W)	TAP 4, 14V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	121	76	48	30	19	12
300	60	38	24	15	9	6
600	30	19	12	8	5	3
750	24	15	10	6	4	2
900	20	13	8	5	3	2
1200	15	10	6	4	2	1
1500	12	8	5	3	2	1

Load Wattage (W)	TAP 5, 15V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	185	116	73	46	29	18
300	92	58	37	23	14	9
600	46	29	18	11	7	5
750	37	23	15	9	6	4
900	31	19	12	8	5	3
1200	23	15	9	6	4	2
1500	18	12	7	5	3	2

Load Wattage (W)	TAP 2, 24V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	TAP 2 NOT RECOMMENDED FOR USE WITH DIMMER					
300						
600						
750						
900						
1200						
1500						

Load Wattage (W)	TAP 3, 26V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	229	144	91	57	36	23
300	115	72	45	29	18	11
600	57	36	23	14	9	6
750	46	29	18	11	7	5
900	38	24	15	10	6	4
1200	29	18	11	7	4	3
1500	23	14	9	6	4	2

Load Wattage (W)	TAP 4, 28V					
	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	484	304	191	120	76	48
300	242	152	96	60	38	24
600	121	76	48	30	19	12
750	97	61	38	24	15	10
900	81	51	32	20	13	8
1200	60	38	24	15	9	6
1500	48	30	19	12	8	5

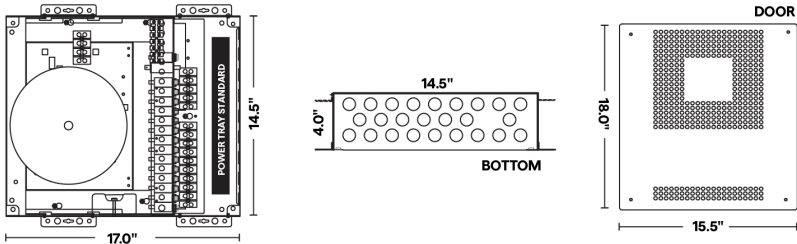
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	8 AWG	10AWG	12AWG	14AWG	16AWG	18AWG
150	739	464	292	184	116	73
300	369	232	146	92	58	36
600	185	116	73	46	29	18
750	148	93	58	37	23	15
900	123	77	49	31	19	12
1200	92	58	37	23	14	9
1500	74	46	29	18	12	7



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1 PRODUCT - DIMENSIONS



2 TECHNICAL INFORMATION

Wattage	Max Load (Watts)	PSC Efficiency	Max PSC Rating (Watts)	Max PSC Rating (VA)	Max Prim Amps @ 120V	Max Prim Amps @ 277V
QTLS-150	150W	92%	162	175	1.5 A	0.7 A
QTLS-300	300W	93%	321	347	2.9 A	1.3 A
QTLS-500	500W	93%	535	578	4.8 A	2.1 A
QTLS-600	600W	95%	630	680	5.7 A	2.5 A
QTLS-750	750W	95%	788	851	7.1 A	3.1 A
QTLS-900	900W	96%	936	1011	8.5 A	3.7 A
QTLS-1050	1050W	96%	1092	1180	9.9 A	4.3 A
QTLS-1200	1200W	96%	1248	1348	11.3 A	4.9 A
QTLS-1350	1350W	96%	1405	1518	12.7 A	5.5 A
QTLS-1500	1500W	96%	1560	1685	14 A	6.1 A

Secondary Breaker Amperage

Amps	Max 12V Load	Max 24V Load
5	60W	120W
10	120W	240W
12.5	150W	300W
15	180W	360W
20	240W	480W
25	300W	600W

HOUSING

- 18-gauge welded steel enclosure: 14.5"W X 17.0"L X 4.0"D
- Door: 18.0"W X 15.5"L
- Color: white powder coating (standard)
- Knockouts: 25

MULTI-VOLT & TAPS

- Tap Options (in order from TAP1 to TAP5):
 - 12V: 11, 12, 13, 14, 15V
 - 24V: 22, 24, 26, 28, 30V
- AC inputs may be connected to one (1) of the primary taps of the PSC
- No derating required for incandescent and halogen loads
- 50% derating required for LED retrofit loads
- The advantage is that loads at varying distances from the PSC can be tapped on different taps to recover voltage drop, allowing you to get the correct voltage at your load and produce between 85%-100% light output. (See QTL Voltage drop Calculator)
- Secondary Circuit Protection: 1-15 magnetic circuit breakers.
- Class 1 compliant to N.E.C.

TOROIDAL CHOKE

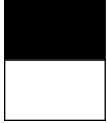
- QTL's standard choke, or "debuzzing coil" reduces noise when dimming and helps negate in-rush current that is prevalent with LED loads. It allows for quiet operation and eliminates nuisance tripping.



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8 COLOR



Black Powder
Coat Finish

White
(Standard)

COMPATIBLE WIRING ACCESSORIES



UL Listed, miniature
junction box, DRY/DMP
(WET rated with silicone)