



LED Direct8™

Instant Start Ballast Compatible

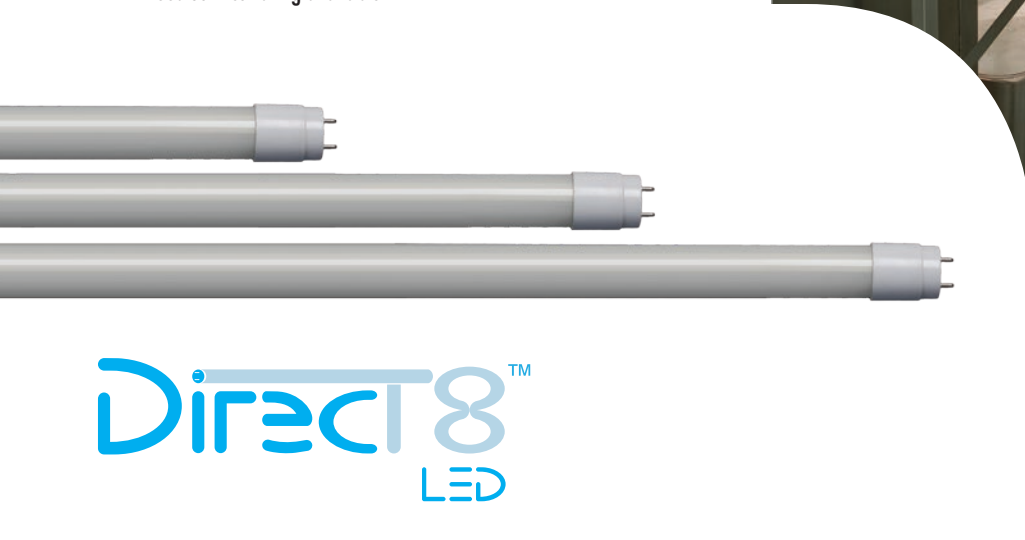
LED compatible replacement for linear fixtures with instant start ballasts*

Limitless options for the following applications:

- Offices
- Restaurants
- Retail Stores
- Lobbies
- Schools
- Hospitals

Great features and benefits:

- >40% Energy Savings
- Long life: 50,000 hours
- No rewiring of fixture — just replace fluorescent lamp with LED lamp
- Instant on/off
- 2', 3' and 4' options available
- No Mercury
- 5 year warranty
- Rated for enclosed fixtures
- Food service rating available



Direct8™
LED

LED
we know light.™

TCP

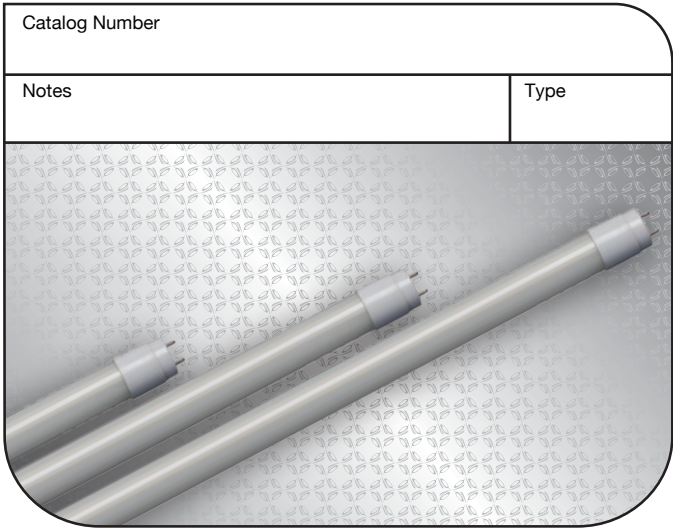
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LED DirecT8™ Instant Start Ballast Compatible

LED 50,000 hours average rated life, 120-277 volts



Applications:

LED compatible replacement for linear fixtures with instant start ballasts*

Features

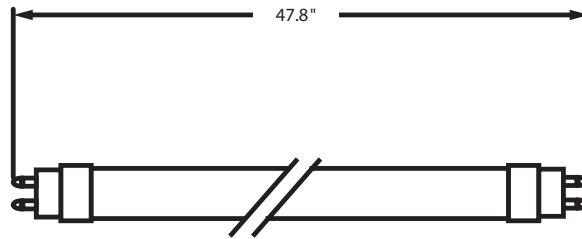
>40% energy savings	No mercury
Long life - 50,000 hours	5 year warranty
Instant on/off	2', 3' and 4' options available
No rewiring of fixture — just replace fluorescent lamp with LED lamp	Rated for enclosed fixtures Food service rating available

Specifications

Input Line Voltage: 120-277 VAC
 Minimum Starting Temp..... -30°C
 Maximum Operating Temp..... 55°C
 Beam Distribution 190°
NOTE: Must be used with shunted sockets



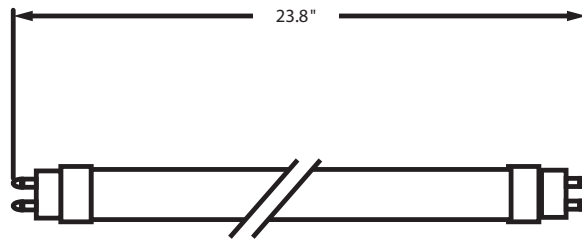
4 Foot Dimensions



3 Foot Dimensions





2 Foot Dimensions






LED DirecT8™ Instant Start Ballast Compatible

Plastic Tubes (Rated for Food Service)

Warranties and Certifications:	Item #	Description	DLC QPL	Bare Lamp Wattage (0.88)	System Wattage			Lamp Lumens			Base	CCT	CRI	R9
					LBF (0.78)	NBF (0.88)	HBF (1.18)	LBF (0.78)	NBF (0.88)	HBF (1.18)				
5 YEAR WARRANTY   UL CERTIFIED TO NSF STANDARDS	LED15T84IS30K	LED 15W Instant Start Compatible 4 Foot T8 - 3000K		14.9	15.0	17.4	20.5	1396	1575	2112	G13	3000K	82	>0
	LED15T84IS35K	LED 15W Instant Start Compatible 4 Foot T8 - 3500K	★	14.9	15.0	17.4	20.5	1418	1600	2145	G13	3500K	82	>0
	LED15T84IS41K	LED 15W Instant Start Compatible 4 Foot T8 - 4100K	★	14.9	15.0	17.4	20.5	1463	1650	2213	G13	4100K	82	>0
	LED15T84IS50K	LED 15W Instant Start Compatible 4 Foot T8 - 5000K	★	14.9	15.0	17.4	20.5	1507	1700	2280	G13	5000K	82	>0

Glass Tubes

Warranties and Certifications:	Item #	Description	DLC QPL	Bare Lamp Wattage (0.88)	System Wattage			Lamp Lumens			Base	CCT	CRI	R9
					LBF (0.78)	NBF (0.88)	HBF (1.18)	LBF (0.78)	NBF (0.88)	HBF (1.18)				
5 YEAR WARRANTY 	LED4T820IS30K	LED 20W Instant Start Compatible 4 Foot T8 - 3000K		20	20	22.7	26.7	1715	1950	2600	G13	3000K	82	>0
	LED4T820IS35K	LED 20W Instant Start Compatible 4 Foot T8 - 3500K		20	20	22.7	26.7	1760	2000	2680	G13	3500K	82	>0
	LED4T820IS41K	LED 20W Instant Start Compatible 4 Foot T8 - 4100K		20	20	22.7	26.7	1800	2050	2740	G13	4100K	82	>0
	LED4T820IS50K	LED 20W Instant Start Compatible 4 Foot T8 - 5000K		20	20	22.7	26.7	1840	2100	2800	G13	5000K	82	>0
	LED4T815IS30K	LED 15W Instant Start Compatible 4 Foot T8 - 3000K		15	15	17	20	1440	1625	2175	G13	3000K	82	>0
	LED4T815IS35K	LED 15W Instant Start Compatible 4 Foot T8 - 3500K	★	15	15	17	20	1460	1650	2210	G13	3500K	82	>0
	LED4T815IS41K	LED 15W Instant Start Compatible 4 Foot T8 - 4100K	★	15	15	17	20	1500	1700	2280	G13	4100K	82	>0
	LED4T815IS50K	LED 15W Instant Start Compatible 4 Foot T8 - 5000K	★	15	15	17	20	1550	1750	2340	G13	5000K	82	>0
	LED3T811IS30K	LED 12.5W Instant Start Compatible 3 Foot T8 - 3000K		12.5	13	15	17.5	1170	1325	1770	G13	3000K	82	>0
	LED3T811IS35K	LED 12.5W Instant Start Compatible 3 Foot T8 - 3500K		12.5	13	15	17.5	1190	1350	1810	G13	3500K	82	>0
	LED3T811IS41K	LED 12.5W Instant Start Compatible 3 Foot T8 - 4100K		12.5	13	15	17.5	1240	1400	1870	G13	4100K	82	>0
	LED3T811IS50K	LED 12.5W Instant Start Compatible 3 Foot T8 - 5000K		12.5	13	15	17.5	1280	1450	1940	G13	5000K	82	>0
	LED2T89IS30K	LED 10.5W Instant Start Compatible 2 Foot T8 - 3000K		10.5	11	12.5	14.5	720	900	1125	G13	3000K	82	>0
	LED2T89IS35K	LED 10.5W Instant Start Compatible 2 Foot T8 - 3500K		10.5	11	12.5	14.5	740	930	1150	G13	3500K	82	>0
	LED2T89IS41K	LED 10.5W Instant Start Compatible 2 Foot T8 - 4100K		10.5	11	12.5	14.5	770	970	1200	G13	4100K	82	>0
	LED2T89IS50K	LED 10.5W Instant Start Compatible 2 Foot T8 - 5000K		10.5	11	12.5	14.5	800	1010	1250	G13	5000K	82	>0

* See instant start compatibility at www.tcp.com



DIRECT8 LED Tube Ballast Compatibility Guide

	Manufacturer	Series	Model	Voltage
General Electric	General Electric		GE132MAX-L/ULTRA	UNIV
	General Electric		GE132MAXP-N/ULTRA	UNIV
	General Electric		GE232MAX347-N	347
	General Electric		GE232MAX-N/ULTRA	UNIV
	General Electric		GE232MAX-G-N/ULtra	UNIV
	General Electric		GE232MAXP-H/ULTRA	UNIV
	General Electric		GE332MAXP-H/ULTRA	UNIV
	General Electric		GE332MAXP-N/ULTRA	UNIV
	General Electric		GE332MAX-L/ULTRA	UNIV
	General Electric		GE332MAX-G-N	UNIV
	General Electric		GE432MAX347-N	347
Osram	Osram	QHE	2x32T8/ISN-SC	UNIV
	Osram	QHE	2x32T8/ISN-SC	347
Philips	Philips	Advance	GOPA-2P32-SC	347
	Philips	Advance	GOPA-4P32-SC	347
	Philips	Advance	ICN-2P32-N	UNIV
	Philips	Advance	ICN-3P32-N	UNIV
	Philips	Advance	ICN-4P32-N	UNIV
	Philips	Advance	IOP-2P32-LW-N	UNIV
	Philips	Advance	IOP-3P32-N	UNIV
	Philips	Advance	IOPA-4P32-LW-N	UNIV
	Philips	Advance	IOPA-4P32-LW-SC	UNIV
	Philips	Advance	IOPA-4P32-N	UNIV
	TCP	TCP		E2P32ISUNVE
TCP			E2P32ISUNVHE	UNIV
TCP			E2P32ISUNVLE	UNIV
TCP			E3P32ISUNVE	UNIV
TCP			E3P32ISUNVHE	UNIV
TCP			E3P32ISUNVLE	UNIV
TCP			E4P32ISUNVE	UNIV
TCP			E4P32ISUNVHE	UNIV
TCP			E4P32ISUNVLE	UNIV
Universal Lighting Technologies	Universal Lighting Technologies	Triad	B1321UNVHP-N	UNIV
	Universal Lighting Technologies	Triad	B2321UNVHP-N	UNIV
	Universal Lighting Technologies	Triad	B3321UNVHP-A	UNIV
	Universal Lighting Technologies	Triad	B4321UNVHP-A	UNIV
	Universal Lighting Technologies	Triad	B2321347HP-A	347
	Universal Lighting Technologies	Triad	B4321347HP -000C	347