



SMARTDRIVE LED
PLUG & PLAY WITH BALLAST

KT-LED12T8-48G-835-S /G2

T8 LED LAMP

DESCRIPTION

12W T8 LED | 3500K | >80 CRI | High Efficiency | Ballast Compatible



US LISTED

RoHS
Compliant

5 YEAR
WARRANTY

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 12W
COLOR TEMPERATURE: 3500K
COLOR RENDERING INDEX (CRI): >80
WARRANTY: 5 Years



PRODUCT FEATURES

- Compatible with Most Instant Start Electronic T8 Ballasts, Contact Keystone for Ballast Compatibility List
- Direct Replacement for the Following Fluorescent Lamps: F32T8/32W, F32T8/30W, F32T8/28W, F32T8/25W
- UL Listed
- 50,000+ Hour Lifetime
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- Operating Temperature: -20°C/-4°F to 45°C/113°F
- 100+ Lumens per Watt (Bare Lamp Efficacy)
- Suitable for Dry and Damp Locations
- NSF Listed: NSF/ANSI Standard 2 -Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)

OPERATING SPECIFICATIONS

ELECTRICAL AND PERFORMANCE CHARACTERISTICS

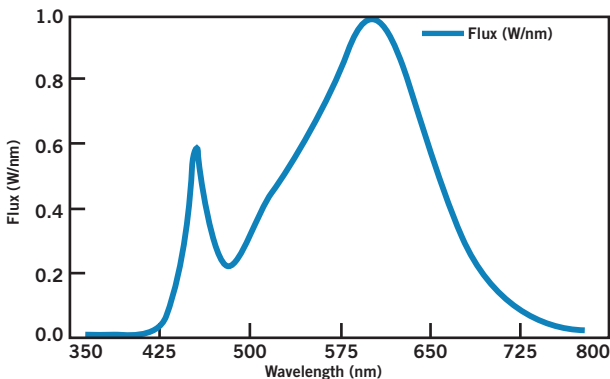
Input Voltage	CRI	Bare Lamp Wattage	Nominal Lamp Lumens	System Wattage*			Initial Lumens*			Nominal Bare Lamp Efficacy	Power Factor	Max. THD
				0.78BF	0.88BF	1.18BF	0.78BF	0.88BF	1.18BF			
Ballast Dependent	>80	12W	1700 lm	13.29W	15W	20.1W	1584 lm	1700 lm	2382 lm	142	>0.9	20%

* Nominal values. Actual values may vary depending on electronic ballast used.

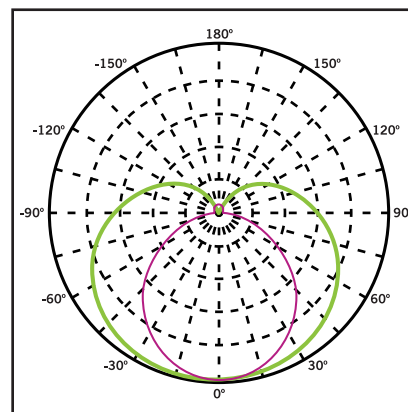
RATED LIFE

L70 (Hours)	50,000
-------------	--------

SPECTRAL DISTRIBUTION



POLAR CANDELA DISTRIBUTION



Maximum Candela = 1248.55
Located at Horizontal Angle = 0,
Vertical Angle 0

1. Violet Vertical Plane through Horizontal Angles (90-270)
2. Green Vertical Plane through Horizontal Angles (0-180)

Beam Angle: 220°

Visible Light Area: 325°



KT-LED12T8-48G-835-S /G2

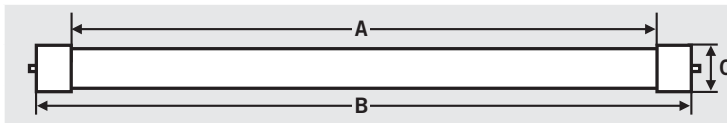
T8 LED LAMP

WIRING

Plug and Play: Simply replace the existing fluorescent lamp with Keystone Smart Drive LED lamp. No changes to the existing fluorescent ballast wiring needed. For ballast compability questions, please contact Keystone.

PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS



A (Illuminated Length)	44.70"
B (Body Length)	47.15"
C (Diameter)	1.00"

NOMINAL LENGTH: 48" **BASE TYPE:** G13 (Medium Bi-Pin)

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED12T8-48G-835-S /G2-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship
KT-LED12T8-48G-835-S /G2-DP	Distributor Pack (Individual Cartons)	20	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED12T8-48G-835-S /G2-CP

Keystone Technologies	LED Lamp	Wattage	Lamp Type	Nominal Length (Inches)	Glass Case	800 Series	Color Temp.	Smart Drive Series	2nd Generation	Packaging Style
-----------------------	----------	---------	-----------	-------------------------	------------	------------	-------------	--------------------	----------------	-----------------



SMARTDRIVE LED
PLUG & PLAY WITH BALLAST

KT-LED12T8-48G-835-S /G2

T8 LED LAMP

DESCRIPTION

12W T8 LED | 3500K | >80 CRI | High Efficiency | Ballast Compatible



US LISTED

RoHS Compliant

5 YEAR WARRANTY

LAMP TYPE: Linear

BULB TYPE: T8 LED

BASE TYPE: G13 (Medium Bi-Pin)

WATTAGE: 12W

COLOR TEMPERATURE: 3500K

COLOR RENDERING INDEX (CRI): >80

WARRANTY: 5 Years



PRODUCT FEATURES

- Compatible with Most Instant Start Electronic T8 Ballasts, Contact Keystone for Ballast Compatibility List
- Direct Replacement for the Following Fluorescent Lamps: F32T8/32W, F32T8/30W, F32T8/28W, F32T8/25W
- UL Listed
- 50,000+ Hour Lifetime
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- Operating Temperature: -20°C/-4°F to 45°C/113°F
- 100+ Lumens per Watt (Bare Lamp Efficacy)
- Suitable for Dry and Damp Locations
- NSF Listed: NSF/ANSI Standard 2 -Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)

OPERATING SPECIFICATIONS

ELECTRICAL AND PERFORMANCE CHARACTERISTICS

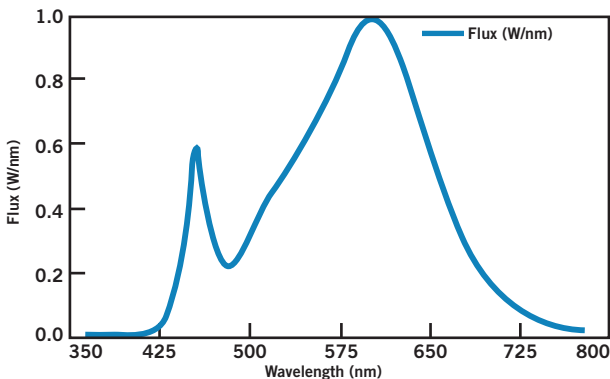
Input Voltage	CRI	Bare Lamp Wattage	Nominal Lamp Lumens	System Wattage*			Initial Lumens*			Nominal Bare Lamp Efficacy	Power Factor	Max. THD
				0.78BF	0.88BF	1.18BF	0.78BF	0.88BF	1.18BF			
Ballast Dependent	>80	12W	1700 lm	13.29W	15W	20.1W	1584 lm	1700 lm	2382 lm	142	>0.9	20%

* Nominal values. Actual values may vary depending on electronic ballast used.

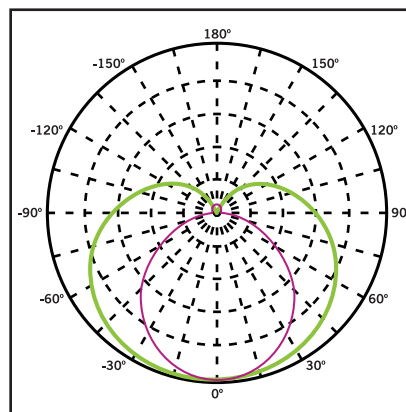
RATED LIFE

L70 (Hours)	50,000
-------------	--------

SPECTRAL DISTRIBUTION



POLAR CANDELA DISTRIBUTION



Maximum Candela = 1248.55
Located at Horizontal Angle = 0,
Vertical Angle 0

1. Violet Vertical Plane through Horizontal Angles (90-270)
2. Green Vertical Plane through Horizontal Angles (0-180)

Beam Angle: 220°

Visible Light Area: 325°



KT-LED12T8-48G-835-S /G2

T8 LED LAMP

WIRING

Plug and Play: Simply replace the existing fluorescent lamp with Keystone Smart Drive LED lamp. No changes to the existing fluorescent ballast wiring needed. For ballast compability questions, please contact Keystone.

PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS

	A (Illuminated Length)	44.70"
	B (Body Length)	47.15"
	C (Diameter)	1.00"

NOMINAL LENGTH: 48" **BASE TYPE:** G13 (Medium Bi-Pin)

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED12T8-48G-835-S /G2-CP	Carton Pack (Egg Crate Packaging)	25	Quick Ship
KT-LED12T8-48G-835-S /G2-DP	Distributor Pack (Individual Cartons)	20	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED12T8-48G-835-S /G2-CP

Keystone Technologies	LED Lamp	Wattage	Lamp Type	Nominal Length (Inches)	Glass Case	800 Series	Color Temp.	Smart Drive Series	2nd Generation	Packaging Style
--------------------------	----------	---------	--------------	-------------------------------	---------------	---------------	----------------	--------------------------	-------------------	--------------------