KEYSTONE SINCE 1945 LIGHT MADE EASY | COMBODRIVE X3 PLUG & PLAY OR LINE VOLTAGE COMPATIBLE | COLOR SELECT

KT-LED13T8-48GX-8CSJ-X3

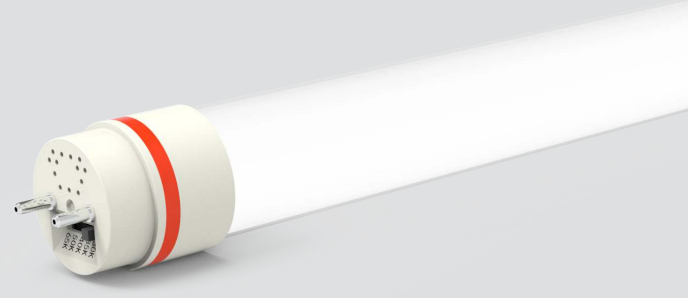
T8 LED LAMP

DESCRIPTION

13W T8 4′ LED Lamp | 3000/3500/4000/5000/6500K | >80 CRI | High-Efficiency | Single- or Double-ended Line Voltage Wiring | Ballast and Line-Voltage Compatible

RoHS Compliant | 10 YEAR LIMITED WARRANTY

- **LAMP TYPE:** Linear
- **BULB TYPE:** T8 LED
- **BASE TYPE:** G13 (Medium Bi-Pin)
- **WATTAGE:** 13W
- **COLOR TEMPERATURE:** 3000/3500/4000/5000/6500K
- **COLOR RENDERING INDEX (CRI):** > 80
- **WARRANTY:** 5 Years



PRODUCT FEATURES

- Replacement for conventional fluorescent lamp
- Plug & Play application: Compatible with most instant- and programmed-start electronic T8 ballasts
- Bypass ballast application: Runs on 120–277 line voltage wired Single- or double-ended
- Compatible with most instant- and program-start electronic T8 ballasts. **Contact Keystone for Ballast Compatibility List**
- Keystone Color Select technology (3000/3500/4000/5000/6500K)
- Instant startup
- Frosted glass lens eliminates pixelation
- Approximately 60% more energy-efficient than standard F32T8 lamps
- Environmentally friendly: No mercury used
- 135+ Lumens per Watt
- Integral driver (isolated) eliminates the need for external driver or ballast
- Not compatible with fluorescent emergency ballasts or Keystone AC EM drivers; Keystone K1 kits are recommended for emergency applications
- Not rated for use in Vapor Tight style fixtures
- Meets FCC Part 15, Class B
- NSF Listed: NSF/ANSI Standard 2—Food equipment, splash zone (not for direct food zone without additional fixture considerations)
- 50,000+ hour lifetime
- UL Classified
- Lamp is dimmable in Type B mode when used with an appropriate dimming accessory (purchased separately). Contact Keystone for more details to find out what is best for the intended application.
- Dimmable with compatible dimming ballasts (See Compatibility List)

ELECTRICAL SPECIFICATIONS

CCT	Ballast-Compatible Application					Line-Voltage Application						
	Input Voltage	System Wattage*		Initial Lumens*								
		0.78BF	0.88BF	0.78BF	0.88BF	Input Voltage	Bare Lamp Wattage	Initial Lumens	Efficacy	Max THD	Power Factor	Beam Angle
3000K	Ballast dependent	14W	15.5W	1740lm*	2000lm*	120–277V	13W	1950	149 lm/w	20%	>0.9	240˚
3500K		14W	15.5W	1780lm*	2800lm*			2000	153 lm/w			
4000K		14W	15.5W	1800lm*	2100lm*			2000	153 lm/w			
5000K		14W	15.5W	1840lm*	2140lm*			2050	157 lm/w			
6500K		14W	15.5W	1800lm*	2100lm*			2000	153 lm/w			

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

*** Preset to 4000K CCT; Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017*

KEYSTONE SINCE 1945 LIGHT MADE EASY | COMBODRIVE X3 PLUG & PLAY OR LINE VOLTAGE COMPATIBLE | COLOR SELECT

KT-LED13T8-48GX-8CSJ-X3

T8 LED LAMP

ENVIRONMENTAL SPECIFICATIONS

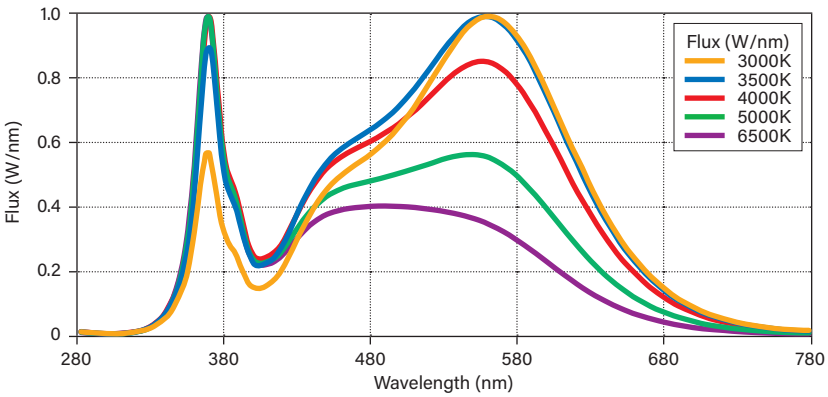
Operating temperature:	–20˚C/–4˚F to 45˚C/113˚F
Storage temperature:	–30˚C/–22˚F to 60˚C/140˚F
Operating humidity:	10–80% RH

COLOR SELECT (CCT) ADJUSTMENT

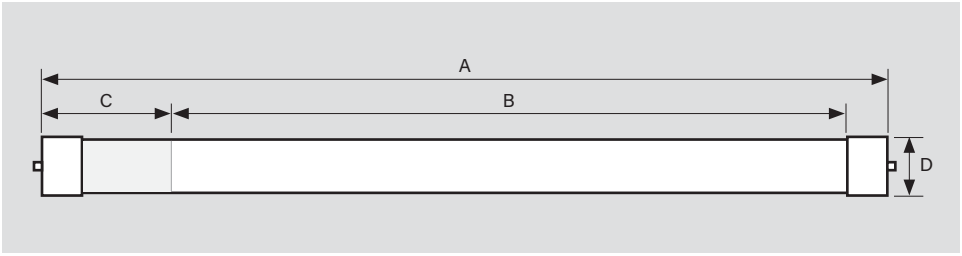
- This fixture is equipped with field-adjustable Keystone Color Select technology
- Adjustable CCT (3000/3500/4000/5000/6500K).
- Adjust dip switch to desired setting (preset to 4000K CCT).

PHOTOMETRIC SPECIFICATIONS

SPECTRAL DISTRIBUTION



PHYSICAL SPECIFICATIONS



LAMP DIMENSIONS

A (Body Length)	47.20"
B (Illuminated Length)	44.00"
C (End Cap/Sticker Area)	2.25"
D (Diameter)	1.10"

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

KEYSTONE SINCE 1945 LIGHT MADE EASY | COMBODRIVE X3 PLUG & PLAY OR LINE VOLTAGE COMPATIBLE | COLOR SELECT

KT-LED13T8-48GX-8CSJ-X3

T8 LED LAMP

INSTALLATION INSTRUCTIONS

DIRECT REPLACEMENT (WITH EXISTING BALLAST)

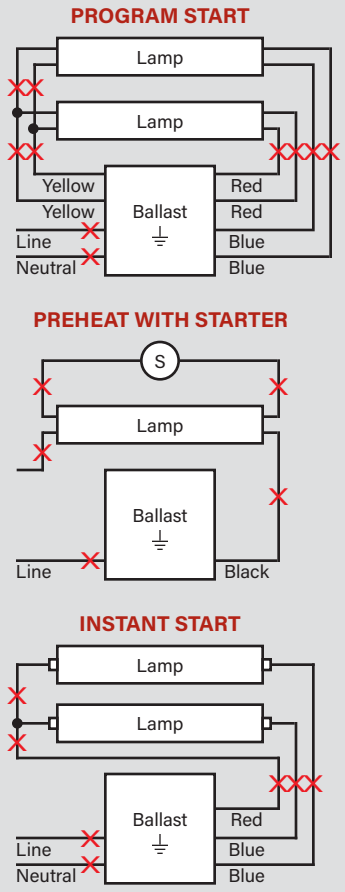
1. Turn power off.
2. Remove lens or diffuser, if applicable.
3. Remove existing fluorescent lamp(s) from the luminaire.
4. Install the LED replacement lamp(s), one lamp for each fluorescent lamp removed*.
5. Replace lens or diffuser back in place, if applicable.
6. Turn power back on.

* **Warning:** Check Keystone's *Ballast Compatibility List* before installation

BY-PASS REPLACEMENT (WITH BALLAST REMOVED)

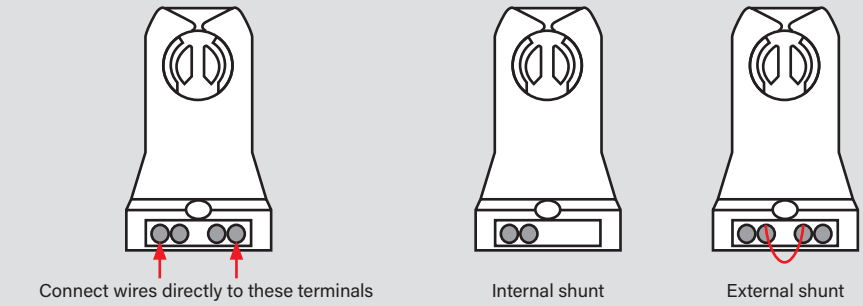
A. Disconnect power from fixture.
B. Remove fluorescent lamps.
C. Remove lens and wiring compartment, if applicable.
D. Cut all wires connected to ballast (see **Figure A: Typical Ballast Configurations**).
E. Identify what type of lamp holders are in fixture: non-shunted lamp holders or shunted lamp holders (see **Figure B: Lamp Holder Types**). Double-ended wiring installations of Keystone Combo Drive X3 tubes can be used with shunted G13 or non-shunted G13 lamp holders with instructions to externally shunt.

FIGURE A Typical Ballast Configurations



CAUTION: Instant start ballasts have shunted lamp holders.

FIGURE B Lamp Holder Types



Caution: For single-ended wiring use *only* non-shunted lamp holders.

For Single-ended wiring, do not install product in a fixture with shunted lamp holders (found in all fixtures using instant start ballasts). If the current lamp holders are shunted, remove them and replace them with non-shunted lamp holders. Make new connections directly to terminals as indicated above.

Keystone can provide any style replacement lamp holders. Call us at 800-464-2680.

FIGURE C Direct Drive LED Tube Connection Pins

KEYSTONE SINCE 1945 LIGHT MADE EASY | COMBODRIVE X3 PLUG & PLAY OR LINE VOLTAGE COMPATIBLE | COLOR SELECT

KT-LED13T8-48GX-8CSJ-X3

T8 LED LAMP

WIRING DIAGRAMS

DOUBLE-ENDED LINE VOLTAGE WIRING

Single lamp

1. Follow steps A–C (see **By-Pass Replacement (with ballast removed)**, on page 2)**.**
2. Cut all existing connections to ballast and remove ballast (see **Figure A**, on page 2, for typical ballast configurations).
3. Connect line voltage AC to both pins on Side A of the lamp (marked L and N1) on the endcap as shown below; on Side B, connect line neutral AC wire to pins marked N2 and N3 on the endcap as shown below (see **Figure C**, on page 2, for Direct Drive LED tube connection pins).

SHUNTED LAMP HOLDERS

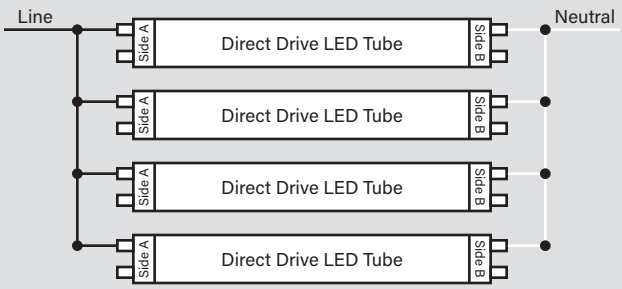
NON-SHUNTED LAMP HOLDERS

4. Complete all electrical connections with appropriate connectors/wire nuts as needed, per all local and national electrical codes.
   Note: there should not be any exposed wires from sockets left unconnected.
5. Replace wiring compartment cover.
6. Ensure that installed lamp is wired to line and neutral in the lamp holder and that lamp is facing proper direction for illumination.
7. Install lens or diffuser, if applicable.
8. Apply power to fixture and check for illumination.

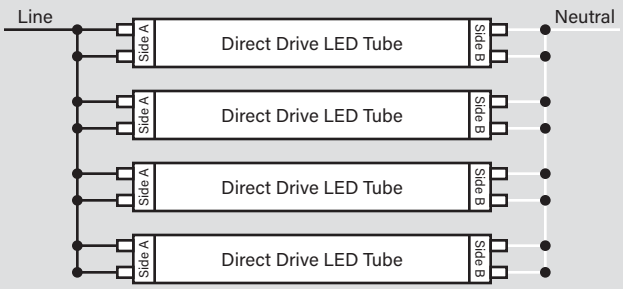
Multiple lamps

1. Follow steps A–C (see **By-Pass Replacement (with ballast removed)**, on page 2)**.**
2. Cut all existing connections to ballast and remove ballast (see **Figure A**, on page 2, for typical ballast configurations).
3. Connect the terminals of the first lamp to the matching terminals of the second lamp with line and neutral wires. Continue daisy-chain connection for each additional lamp as shown below.

SHUNTED LAMP HOLDERS



NON-SHUNTED LAMP HOLDERS



4. Complete all electrical connections with appropriate connectors/wire nuts as needed, per all local and national electrical codes.
   Note: there should not be any exposed wires from sockets left unconnected.
5. Replace wiring compartment cover.
6. Ensure that installed lamp is wired to line and neutral in the lamp holder and that lamp is facing proper direction for illumination.
7. Install lens or diffuser, if applicable.
8. Apply power to fixture and check for illumination.

(wiring diagrams continued on next page)

KEYSTONE SINCE 1945 LIGHT MADE EASY | COMBODRIVE X3 PLUG & PLAY OR LINE VOLTAGE COMPATIBLE | COLOR SELECT

KT-LED13T8-48GX-8CSJ-X3
T8 LED LAMP

WIRING DIAGRAMS (continued)

SINGLE-ENDED LINE VOLTAGE WIRING*

Note: For single-ended wiring installations, power is applied *only* to endcap labeled Side A. **Do NOT** apply power to Side B.

***Caution:** Use only non-shunted lamp holders for single-ended wiring installations. Do not perform single-ended wiring installation of product in a fixture with shunted lamp holders (found in all fixtures using instant-start ballasts). If the existing lamp holders are shunted and single-ended wiring is desired, remove and replace them with non-shunted lamp holders (or remove the external shunt, if applicable). Make new connections directly to lamp holder terminals as shown on this page).

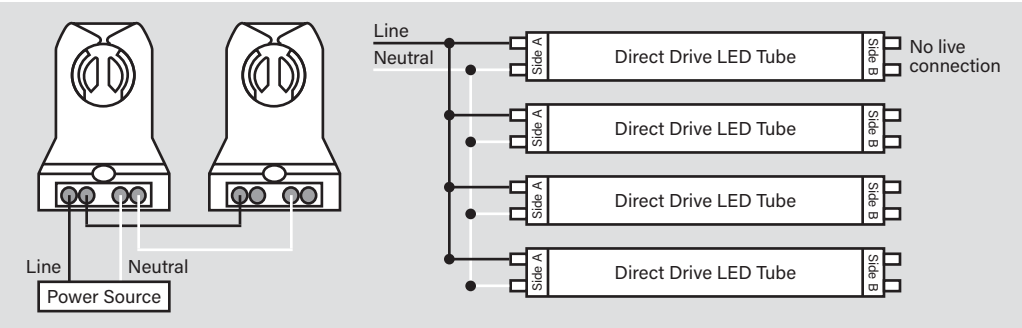
Single lamp

1. Follow steps A–C (see **By-Pass Replacement (with ballast removed)**, on page 2).
2. Cut all existing connections to ballast and remove ballast (see **Figure A**, on page 2, for typical ballast configurations).
   Note: Single-ended wiring requires non-shunted lamp holders (see **Figure B**, on page 2, for lamp holder types).
3. On Side A of lamp holder, connect line voltage AC wire to pin marked L and connect line neutral AC wire to pin marked N1 on the endcap as shown below (see **Figure C**, on page 3, for Direct Drive LED tube connection pins). Do not connect AC wires to Side B.

4. Complete all electrical connections with appropriate connectors/wire nuts as needed, per all local and national electrical codes.
   Note: there should not be any exposed wires from sockets left unconnected.
5. Replace wiring compartment cover.
6. Ensure that installed lamp is wired to line and neutral in the lamp holder and that lamp is facing proper direction for illumination.
7. Install lens or diffuser, if applicable.
8. Apply power to fixture and check for illumination.

Multiple lamps

1. Follow steps A–C (see **By-Pass Replacement (with ballast removed)**, on page 2).
2. Cut all existing connections to ballast and remove ballast (see **Figure A**, on page 2, for typical ballast configurations).
   Note: Single-ended wiring requires non-shunted lamp holders.
3. Connect the terminals of the first lamp to the matching terminals of the second lamp with line and neutral wires. Continue daisy-chain connection for each additional lamp as shown below. **Note:** Do not connect any wires to Side B of lamp holder.



4. Complete all electrical connections with appropriate connectors/wire nuts as needed, per all local and national electrical codes.
   Note: there should not be any exposed wires from sockets left unconnected.
5. Replace wiring compartment cover.
6. Ensure that installed lamp is wired to line and neutral in the lamp holder and that lamp is facing proper direction for illumination.
7. Install lens or diffuser, if applicable.
8. Apply power to fixture and check for illumination.

SINCE 1945 KEYSTONE LIGHT MADE EASY | COMBODRIVE X3 PLUG & PLAY OR LINE VOLTAGE COMPATIBLE | COLOR SELECT

KT-LED13T8-48GX-8CSJ-X3

T8 LED LAMP

ORDERING INFORMATION

ORDER CODE	CARTON QUANTITY	UPC	EASY CODE	DLC PRODUCT ID
KT-LED13T8-48G-8CSJ-X3	25 pcs	843654156149	JYS-57	S-VXF9SD
KT-LED13T8-48GC-8CSJ-X3	25 pcs	843654171043	OTI-38	TBD

CATALOG NUMBER BREAKDOWN

KT-LED13T8-48GX-8CSJ-X3

1 2 3 4 5 6 7 8 9 10

1 **Keystone Technologies**
2 **LED Lamp**
3 **Wattage**
4 **Lamp Type**
5 **Nominal Length (Inches)**
6 **Construction Type**
7 **CRI**
8 **Color Select**
9 **Color Select Designation**
10 **Single- or Double-Ended Line Voltage Wiring**

6 Construction Type

G	Glass
GC	Glass Coated

9 Color Select Designation

J	3000/3500/4000/5000/6500K

KEYSTONE SINCE 1945 LIGHT MADE EASY | COMBODRIVE X3 PLUG & PLAY OR LINE VOLTAGE COMPATIBLE | COLOR SELECT

KT-LED13T8-48GX-8CSJ-X3

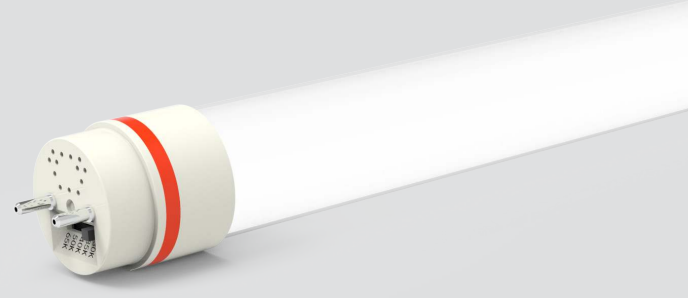
T8 LED LAMP

DESCRIPTION

13W T8 4′ LED Lamp | 3000/3500/4000/5000/6500K | >80 CRI | High-Efficiency | Single- or Double-ended Line Voltage Wiring | Ballast and Line-Voltage Compatible

RoHS Compliant | 10 YEAR LIMITED WARRANTY

- **LAMP TYPE:** Linear
- **BULB TYPE:** T8 LED
- **BASE TYPE:** G13 (Medium Bi-Pin)
- **WATTAGE:** 13W
- **COLOR TEMPERATURE:** 3000/3500/4000/5000/6500K
- **COLOR RENDERING INDEX (CRI):** > 80
- **WARRANTY:** 5 Years



PRODUCT FEATURES

- Replacement for conventional fluorescent lamp
- Plug & Play application: Compatible with most instant- and programmed-start electronic T8 ballasts
- Bypass ballast application: Runs on 120–277 line voltage wired Single- or double-ended
- Compatible with most instant- and program-start electronic T8 ballasts. **Contact Keystone for Ballast Compatibility List**
- Keystone Color Select technology (3000/3500/4000/5000/6500K)
- Instant startup
- Frosted glass lens eliminates pixelation
- Approximately 60% more energy-efficient than standard F32T8 lamps
- Environmentally friendly: No mercury used
- 135+ Lumens per Watt
- Integral driver (isolated) eliminates the need for external driver or ballast
- Not compatible with fluorescent emergency ballasts or Keystone AC EM drivers; Keystone K1 kits are recommended for emergency applications
- Not rated for use in Vapor Tight style fixtures
- Meets FCC Part 15, Class B
- NSF Listed: NSF/ANSI Standard 2—Food equipment, splash zone (not for direct food zone without additional fixture considerations)
- 50,000+ hour lifetime
- UL Classified
- Lamp is dimmable in Type B mode when used with an appropriate dimming accessory (purchased separately). Contact Keystone for more details to find out what is best for the intended application.
- Dimmable with compatible dimming ballasts (See Compatibility List)

ELECTRICAL SPECIFICATIONS

CCT	Ballast-Compatible Application					Line-Voltage Application						
	Input Voltage	System Wattage*		Initial Lumens*								
		0.78BF	0.88BF	0.78BF	0.88BF	Input Voltage	Bare Lamp Wattage	Initial Lumens	Efficacy	Max THD	Power Factor	Beam Angle
3000K	Ballast dependent	14W	15.5W	1740lm*	2000lm*	120–277V	13W	1950	149 lm/w	20%	>0.9	240˚
3500K		14W	15.5W	1780lm*	2800lm*			2000	153 lm/w			
4000K		14W	15.5W	1800lm*	2100lm*			2000	153 lm/w			
5000K		14W	15.5W	1840lm*	2140lm*			2050	157 lm/w			
6500K		14W	15.5W	1800lm*	2100lm*			2000	153 lm/w			

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

*** Preset to 4000K CCT; Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017*

KEYSTONE SINCE 1945 LIGHT MADE EASY | COMBODRIVE X3 PLUG & PLAY OR LINE VOLTAGE COMPATIBLE | COLOR SELECT

KT-LED13T8-48GX-8CSJ-X3

T8 LED LAMP

ENVIRONMENTAL SPECIFICATIONS

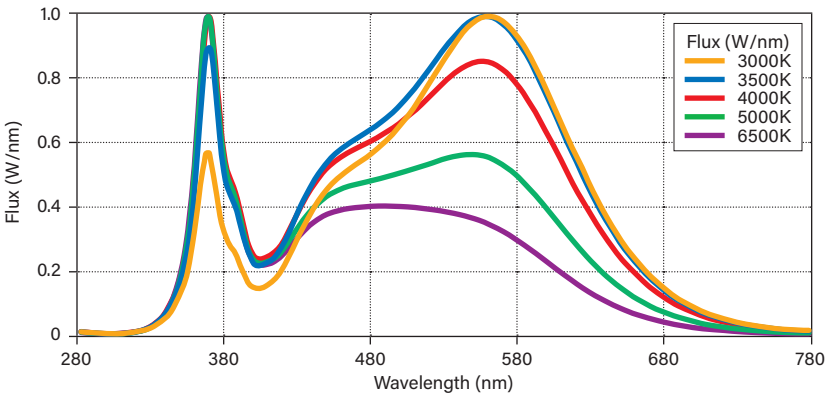
Operating temperature:	–20˚C/–4˚F to 45˚C/113˚F
Storage temperature:	–30˚C/–22˚F to 60˚C/140˚F
Operating humidity:	10–80% RH

COLOR SELECT (CCT) ADJUSTMENT

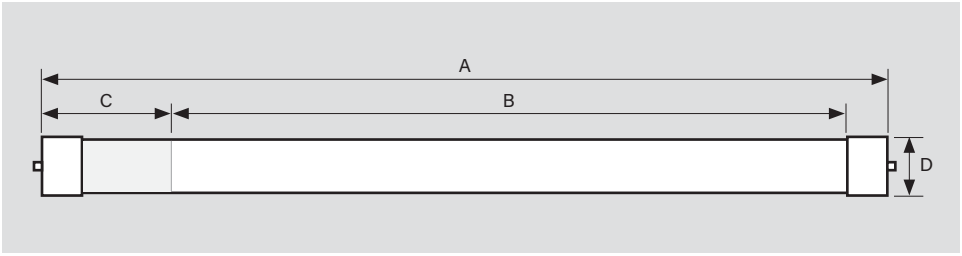
- This fixture is equipped with field-adjustable Keystone Color Select technology
- Adjustable CCT (3000/3500/4000/5000/6500K).
- Adjust dip switch to desired setting (preset to 4000K CCT).

PHOTOMETRIC SPECIFICATIONS

SPECTRAL DISTRIBUTION



PHYSICAL SPECIFICATIONS



LAMP DIMENSIONS

A (Body Length)	47.20"
B (Illuminated Length)	44.00"
C (End Cap/Sticker Area)	2.25"
D (Diameter)	1.10"

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

KEYSTONE SINCE 1945 LIGHT MADE EASY | COMBODRIVE X3 PLUG & PLAY OR LINE VOLTAGE COMPATIBLE | COLOR SELECT

KT-LED13T8-48GX-8CSJ-X3

T8 LED LAMP

INSTALLATION INSTRUCTIONS

DIRECT REPLACEMENT (WITH EXISTING BALLAST)

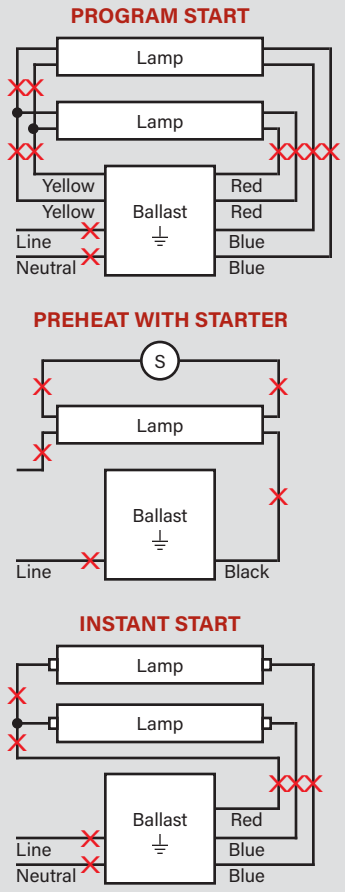
1. Turn power off.
2. Remove lens or diffuser, if applicable.
3. Remove existing fluorescent lamp(s) from the luminaire.
4. Install the LED replacement lamp(s), one lamp for each fluorescent lamp removed*.
5. Replace lens or diffuser back in place, if applicable.
6. Turn power back on.

* **Warning:** Check Keystone's *Ballast Compatibility List* before installation

BY-PASS REPLACEMENT (WITH BALLAST REMOVED)

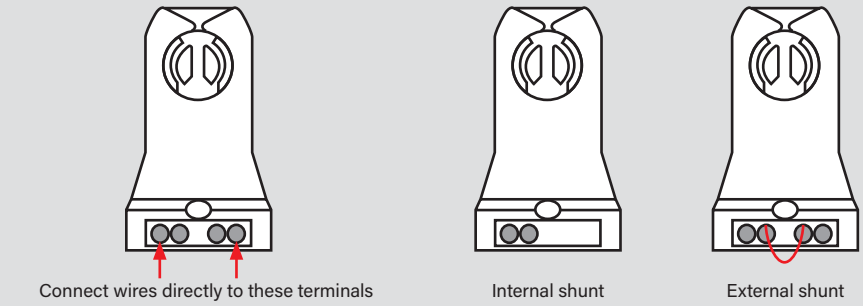
A. Disconnect power from fixture.
B. Remove fluorescent lamps.
C. Remove lens and wiring compartment, if applicable.
D. Cut all wires connected to ballast (see **Figure A: Typical Ballast Configurations**).
E. Identify what type of lamp holders are in fixture: non-shunted lamp holders or shunted lamp holders (see **Figure B: Lamp Holder Types**). Double-ended wiring installations of Keystone Combo Drive X3 tubes can be used with shunted G13 or non-shunted G13 lamp holders with instructions to externally shunt.

FIGURE A Typical Ballast Configurations



CAUTION: Instant start ballasts have shunted lamp holders.

FIGURE B Lamp Holder Types



Caution: For single-ended wiring use *only* non-shunted lamp holders.

For Single-ended wiring, do not install product in a fixture with shunted lamp holders (found in all fixtures using instant start ballasts). If the current lamp holders are shunted, remove them and replace them with non-shunted lamp holders. Make new connections directly to terminals as indicated above.

Keystone can provide any style replacement lamp holders. Call us at 800-464-2680.

FIGURE C Direct Drive LED Tube Connection Pins

KEYSTONE SINCE 1945 LIGHT MADE EASY | COMBODRIVE X3 PLUG & PLAY OR LINE VOLTAGE COMPATIBLE | COLOR SELECT

KT-LED13T8-48GX-8CSJ-X3

T8 LED LAMP

WIRING DIAGRAMS

DOUBLE-ENDED LINE VOLTAGE WIRING

Single lamp

1. Follow steps A–C (see **By-Pass Replacement (with ballast removed)**, on page 2)**.**
2. Cut all existing connections to ballast and remove ballast (see **Figure A**, on page 2, for typical ballast configurations).
3. Connect line voltage AC to both pins on Side A of the lamp (marked L and N1) on the endcap as shown below; on Side B, connect line neutral AC wire to pins marked N2 and N3 on the endcap as shown below (see **Figure C**, on page 2, for Direct Drive LED tube connection pins).

SHUNTED LAMP HOLDERS

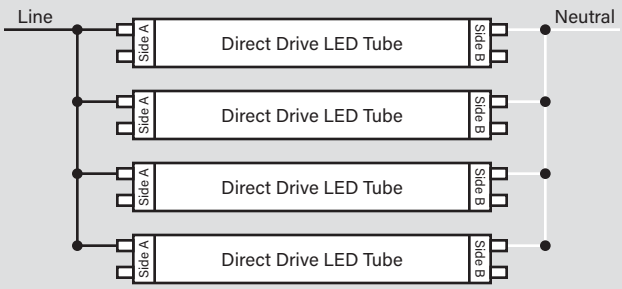
NON-SHUNTED LAMP HOLDERS

4. Complete all electrical connections with appropriate connectors/wire nuts as needed, per all local and national electrical codes.
   Note: there should not be any exposed wires from sockets left unconnected.
5. Replace wiring compartment cover.
6. Ensure that installed lamp is wired to line and neutral in the lamp holder and that lamp is facing proper direction for illumination.
7. Install lens or diffuser, if applicable.
8. Apply power to fixture and check for illumination.

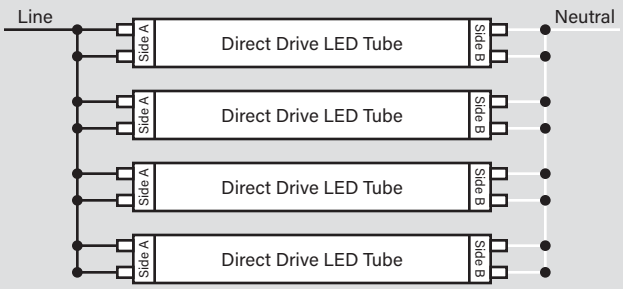
Multiple lamps

1. Follow steps A–C (see **By-Pass Replacement (with ballast removed)**, on page 2)**.**
2. Cut all existing connections to ballast and remove ballast (see **Figure A**, on page 2, for typical ballast configurations).
3. Connect the terminals of the first lamp to the matching terminals of the second lamp with line and neutral wires. Continue daisy-chain connection for each additional lamp as shown below.

SHUNTED LAMP HOLDERS



NON-SHUNTED LAMP HOLDERS



4. Complete all electrical connections with appropriate connectors/wire nuts as needed, per all local and national electrical codes.
   Note: there should not be any exposed wires from sockets left unconnected.
5. Replace wiring compartment cover.
6. Ensure that installed lamp is wired to line and neutral in the lamp holder and that lamp is facing proper direction for illumination.
7. Install lens or diffuser, if applicable.
8. Apply power to fixture and check for illumination.

(wiring diagrams continued on next page)

KEYSTONE SINCE 1945 LIGHT MADE EASY | COMBODRIVE X3 PLUG & PLAY OR LINE VOLTAGE COMPATIBLE | COLOR SELECT

KT-LED13T8-48GX-8CSJ-X3
T8 LED LAMP

WIRING DIAGRAMS (continued)

SINGLE-ENDED LINE VOLTAGE WIRING*

Note: For single-ended wiring installations, power is applied *only* to endcap labeled Side A. **Do NOT** apply power to Side B.

***Caution:** Use only non-shunted lamp holders for single-ended wiring installations. Do not perform single-ended wiring installation of product in a fixture with shunted lamp holders (found in all fixtures using instant-start ballasts). If the existing lamp holders are shunted and single-ended wiring is desired, remove and replace them with non-shunted lamp holders (or remove the external shunt, if applicable). Make new connections directly to lamp holder terminals as shown on this page).

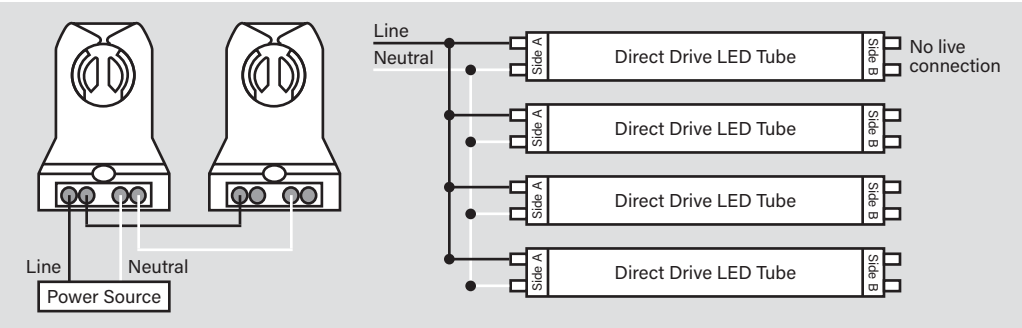
Single lamp

1. Follow steps A–C (see **By-Pass Replacement (with ballast removed)**, on page 2).
2. Cut all existing connections to ballast and remove ballast (see **Figure A**, on page 2, for typical ballast configurations).
   Note: Single-ended wiring requires non-shunted lamp holders (see **Figure B**, on page 2, for lamp holder types).
3. On Side A of lamp holder, connect line voltage AC wire to pin marked L and connect line neutral AC wire to pin marked N1 on the endcap as shown below (see **Figure C**, on page 3, for Direct Drive LED tube connection pins). Do not connect AC wires to Side B.

4. Complete all electrical connections with appropriate connectors/wire nuts as needed, per all local and national electrical codes.
   Note: there should not be any exposed wires from sockets left unconnected.
5. Replace wiring compartment cover.
6. Ensure that installed lamp is wired to line and neutral in the lamp holder and that lamp is facing proper direction for illumination.
7. Install lens or diffuser, if applicable.
8. Apply power to fixture and check for illumination.

Multiple lamps

1. Follow steps A–C (see **By-Pass Replacement (with ballast removed)**, on page 2).
2. Cut all existing connections to ballast and remove ballast (see **Figure A**, on page 2, for typical ballast configurations).
   Note: Single-ended wiring requires non-shunted lamp holders.
3. Connect the terminals of the first lamp to the matching terminals of the second lamp with line and neutral wires. Continue daisy-chain connection for each additional lamp as shown below. **Note:** Do not connect any wires to Side B of lamp holder.



4. Complete all electrical connections with appropriate connectors/wire nuts as needed, per all local and national electrical codes.
   Note: there should not be any exposed wires from sockets left unconnected.
5. Replace wiring compartment cover.
6. Ensure that installed lamp is wired to line and neutral in the lamp holder and that lamp is facing proper direction for illumination.
7. Install lens or diffuser, if applicable.
8. Apply power to fixture and check for illumination.

SINCE 1945 KEYSTONE LIGHT MADE EASY | COMBODRIVE X3 PLUG & PLAY OR LINE VOLTAGE COMPATIBLE | COLOR SELECT

KT-LED13T8-48GX-8CSJ-X3

T8 LED LAMP

ORDERING INFORMATION

ORDER CODE	CARTON QUANTITY	UPC	EASY CODE	DLC PRODUCT ID
KT-LED13T8-48G-8CSJ-X3	25 pcs	843654156149	JYS-57	S-VXF9SD
KT-LED13T8-48GC-8CSJ-X3	25 pcs	843654171043	OTI-38	TBD

CATALOG NUMBER BREAKDOWN

KT-LED13T8-48GX-8CSJ-X3

1 2 3 4 5 6 7 8 9 10

1 **Keystone Technologies**
2 **LED Lamp**
3 **Wattage**
4 **Lamp Type**
5 **Nominal Length (Inches)**
6 **Construction Type**
7 **CRI**
8 **Color Select**
9 **Color Select Designation**
10 **Single- or Double-Ended Line Voltage Wiring**

6 Construction Type

G	Glass
GC	Glass Coated

9 Color Select Designation

J	3000/3500/4000/5000/6500K