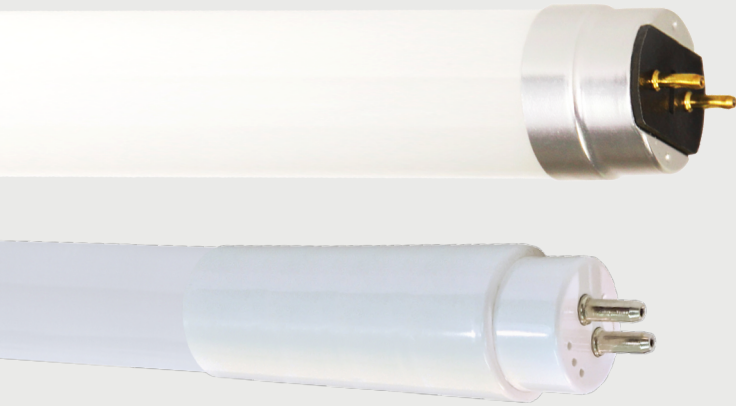




# LED Lamps - Tubes



## Type A LED Tubes

Convert your existing linear fluorescent fixture to LED lighting without needing a comprehensive reinstall. Type A LED tubes are ideal for those seeking high energy savings with minimal installation time. Each LED tube is outfitted with an internal driver, which allows it to run off a fluorescent electronic ballast.

### PERFORMANCE HIGHLIGHTS:

Type A LED Tubes	
<b>Light Output:</b>	1,000 - 3,900 Lumens
<b>CRI:</b>	80
<b>CCT:</b>	3000K-6500K
<b>Wattage:</b>	7-25.5W
<b>Life:</b>	50,000 - 70,000 hours
<b>Temperature Rating:</b>	-20° to 40° C
<b>Rating:</b>	Damp
<b>Fixtures:</b>	Open or Enclosed
<b>Dimming:</b>	Dimmable with compatible dimming ballasts
<b>Ballast Compatibility Guide:</b>	<a href="http://www.LED.com/LEDTUBES-ballast-compatibility">www.LED.com/LEDTUBES-ballast-compatibility</a>
<b>Certification:</b>	DLC Listed, NSF Food Zone (covRguard®)

### LIMITED WARRANTY

7 years for 70,000 hours  
5 years for 50,000 hours

### FEATURES:

- Internal driver compatible with wide array of electronic fluorescent ballasts
- Better quality of light - instant on
- Available in T8 & T5, various lengths and light outputs
- Glass tubes and plastic coated glass options
- Robust materials - glass tubes & metal end caps standard on linear T8 lamps

### BENEFITS:

- Fast and easy LED upgrade
- Lower energy usage and longer life than LFL
- Easy disposal, non-hazardous waste
- The polycarbonate plastic covRguard® sleeve is factory-sealed on the glass tube to provide a seamless look and feel, eliminating the need for a field-installed sleeve or fixture guard
- covRguard® offers shatter protection and provides containment, eliminating downtime

### LEARN MORE:

To learn more about saving money and energy, go to [www.LED.com](http://www.LED.com).



Not all product variations listed on the page are DLC qualified. To ensure that a specific model is qualified, visit [www.designlights.org/search](http://www.designlights.org/search).



# LED Lamps - Tubes

## Type A Tubes

CUSTOMER NAME \_\_\_\_\_  
 PROJECT NAME \_\_\_\_\_  
 DATE \_\_\_\_\_ NOTES \_\_\_\_\_

### Integrated Glass Tubes - Type A

Bulb Shape	Base Type	Lamp Watts <sup>5</sup>	Order Code	Description	Carton Qty <sup>2</sup>	MOL (in)	Low Ballast Factor		Normal Ballast Factor		High Ballast Factor		Color Temp (Initial)	CRI	Rated Life L70 (Hrs) <sup>1</sup>	DLC <sup>4</sup>	Location Rating <sup>3</sup>	Additional Information
							System Watts	Lumens (Initial)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)						
<b>Integrated 4ft Glass Tubes (operates on Instant Start or Program Start Ballast)</b>																		
T8	G13	18	35767	LED18ET8/G/4/B30	20	48	17	2100	20	2500	26	3250	3000K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	18	35768	LED18ET8/G/4/B35	20	48	17	2100	20	2500	26	3250	3500K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	18	35769	LED18ET8/G/4/B40	20	48	17	2150	20	2600	26	3400	4000K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	18	35772	LED18ET8/G/4/B50	20	48	17	2150	20	2600	26	3400	5000K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	18	35773	LED18ET8/G/4/B65	20	48	17	2150	20	2600	26	3400	6500K	80	70,000	-	Damp	Instant or PRS Ballast
	G13	15	35790	LED15ET8/G/4/B30	20	48	15	1850	17	2150	23	2900	3000K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	15	35791	LED15ET8/G/4/B35	20	48	15	1850	17	2200	23	2950	3500K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	15	35793	LED15ET8/G/4/B40	20	48	15	1950	17	2300	23	3100	4000K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	15	35797	LED15ET8/G/4/B50	20	48	15	1950	17	2300	23	3100	5000K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	15	35798	LED15ET8/G/4/B65	20	48	15	1950	17	2300	23	3100	6500K	80	70,000	-	Damp	Instant or PRS Ballast
	G13	10	34277	LED10ET8/G/4/B30	20	48	11.5	1350	13	1600	17.5	2100	3000K	80	70,000	-	Damp	Instant or PRS Ballast
	G13	10	34279	LED10ET8/G/4/B35	20	48	11.5	1400	13	1600	17.5	2150	3500K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	10	34280	LED10ET8/G/4/B40	20	48	11.5	1450	13	1700	17.5	2300	4000K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	10	34282	LED10ET8/G/4/B50	20	48	11.5	1450	13	1700	17.5	2300	5000K	80	70,000	Yes	Damp	Instant or PRS Ballast
<b>Integrated 4ft Value Glass Tubes (operates on Instant Start or Program Start Ballast)</b>																		
T8	G13	14	34283	LED14ET8/G/4/B30	20	48	15	1700	17	2050	23	2700	3000K	80	50,000	Yes	Damp	Instant or PRS Ballast
	G13	14	34289	LED14ET8/G/4/B35	20	48	15	1700	17	2050	23	2700	3500K	80	50,000	Yes	Damp	Instant or PRS Ballast
	G13	14	34291	LED14ET8/G/4/B40	20	48	15	1750	17	2100	23	2750	4000K	80	50,000	Yes	Damp	Instant or PRS Ballast
	G13	14	34300	LED14ET8/G/4/B50	20	48	15	1750	17	2100	23	2750	5000K	80	50,000	Yes	Damp	Instant or PRS Ballast
	G13	11	93107390	LED11ET8/G/4/B30	20	48	12.5	1450	14	1700	19	2300	3000K	80	50,000	-	Damp	Instant or PRS Ballast
	G13	11	93107391	LED11ET8/G/4/B35	20	48	12.5	1450	14	1700	19	2300	3500K	80	50,000	Yes	Damp	Instant or PRS Ballast
	G13	11	93107392	LED11ET8/G/4/B40	20	48	12.5	1450	14	1700	19	2300	4000K	80	50,000	Yes	Damp	Instant or PRS Ballast
	G13	11	93107393	LED11ET8/G/4/B50	20	48	12.5	1450	14	1700	19	2300	5000K	80	50,000	Yes	Damp	Instant or PRS Ballast
<b>Integrated 3ft Glass Tubes (operates on Instant Start or Program Start Ballast)</b>																		
T8	G13	10.5	35783	LED11ET8/G/3/B30	20	36	11.5	1350	13	1600	18	2150	3000K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	10.5	35784	LED11ET8/G/3/B35	20	36	11.5	1350	13	1600	18	2150	3500K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	10.5	35788	LED11ET8/G/3/B40	20	36	11.5	1350	13	1600	18	2150	4000K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	10.5	35789	LED11ET8/G/3/B50	20	36	11.5	1400	13	1650	18	2250	5000K	80	70,000	Yes	Damp	Instant or PRS Ballast
<b>Integrated 2ft Glass Tubes (operates on Instant Start or Program Start Ballast)</b>																		
T8	G13	8.5	35775	LED8ET8/G/2/B30	20	24	9.5	1200	11	1350	15	1850	3000K	80	70,000	-	Damp	Instant or PRS Ballast
	G13	8.5	35776	LED8ET8/G/2/B35	20	24	9.5	1200	11	1350	15	1850	3500K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	8.5	35778	LED8ET8/G/2/B40	20	24	9.5	1200	11	1350	15	1850	4000K	80	70,000	Yes	Damp	Instant or PRS Ballast
	G13	8.5	35779	LED8ET8/G/2/B50	20	24	9.5	1200	11	1400	15	1950	5000K	80	70,000	Yes	Damp	Instant or PRS Ballast

### Integrated Plastic Tubes - Type A

Bulb Shape	Base Type	Lamp Watts <sup>5</sup>	Order Code	Description	Carton Qty <sup>2</sup>	MOL (in)	Low Ballast Factor		Normal Ballast Factor		High Ballast Factor		Color Temp (Initial)	CRI	Rated Life L70 (Hrs) <sup>1</sup>	DLC <sup>4</sup>	Location Rating <sup>3</sup>	Additional Information
							System Watts	Lumens (Initial)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)						
<b>Integrated U6 Plastic Tubes (operates on Instant Start or Program Start Ballast)</b>																		
T8-U6	2G13	13	43120	LED13ET8/U6/B30	12	22.5	13	1500	15	1800	20.5	2400	3000K	80	50,000	Yes	Damp	Instant or PRS Ballast
	2G13	13	43125	LED13ET8/U6/B35	12	22.5	13	1550	15	1850	20.5	2450	3500K	80	50,000	Yes	Damp	Instant or PRS Ballast
	2G13	13	43129	LED13ET8/U6/B40	12	22.5	13	1600	15	1900	20.5	2500	4000K	80	50,000	Yes	Damp	Instant or PRS Ballast
	2G13	13	43130	LED13ET8/U6/B50	12	22.5	13	1600	15	1900	20.5	2500	5000K	80	50,000	Yes	Damp	Instant or PRS Ballast

<sup>1</sup> The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

<sup>2</sup> Minimum order quantity = Carton Qty

<sup>3</sup> UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

<sup>4</sup> Not all product variations on this page are DLC qualified. Visit [qpl.designlights.org/solid-state-lighting](http://qpl.designlights.org/solid-state-lighting) to confirm qualification.

<sup>5</sup> Bare lamp wattage operated on Normal Ballast Factor. Measured performance on Low (0.78), Normal (0.88) and High (1.18) Ballast Factors is provided for reference. Performance may vary depending on ballast model and age. Check ballast compatibility at [www.LED.com/LEDTUBES-ballast-compatibility](http://www.LED.com/LEDTUBES-ballast-compatibility).



# LED Lamps - Tubes

## Type A Tubes

CUSTOMER NAME \_\_\_\_\_  
 PROJECT NAME \_\_\_\_\_  
 DATE \_\_\_\_\_ NOTES \_\_\_\_\_

### Integrated covRguard® Plastic Sleeved Glass Tubes - Type A

Bulb Shape	Base Type	Lamp Watts <sup>5</sup>	Order Code	Description	Carton Qty <sup>2</sup>	MOL (in)	Low Ballast Factor		Normal Ballast Factor		High Ballast Factor		Color Temp (Initial)	CRI	Rated Life L70 (Hrs) <sup>1</sup>	DLC <sup>4</sup>	Location Rating <sup>3</sup>	Additional Information
							System Watts	Lumens (Initial)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)						
<b>Integrated 4ft covRguard® Plastic Sleeved Glass Tubes (operates on Instant Start or Program Start Ballast)</b>																		
T8	G13	18	93135924	LED18ET8/G/4/830CVG	20	48	17	2050	20	2450	26	3200	3000K	80	70,000	Yes	Damp	NSF Food Zone
	G13	18	93135946	LED18ET8/G/4/835CVG	20	48	17	2100	20	2500	26	3250	3500K	80	70,000	Yes	Damp	NSF Food Zone
	G13	18	93135947	LED18ET8/G/4/840CVG	20	48	17	2100	20	2500	26	3250	4000K	80	70,000	Yes	Damp	NSF Food Zone
	G13	18	93135948	LED18ET8/G/4/850CVG	20	48	17	2150	20	2600	26	3400	5000K	80	70,000	Yes	Damp	NSF Food Zone
	G13	15	93135823	LED15ET8/G/4/835CVG	20	48	15	1850	17	2200	23	2950	3500K	80	70,000	Yes	Damp	NSF Food Zone
	G13	15	93135824	LED15ET8/G/4/840CVG	20	48	15	1850	17	2200	23	2950	4000K	80	70,000	Yes	Damp	NSF Food Zone
	G13	15	93135846	LED15ET8/G/4/850CVG	20	48	15	1900	17	2250	23	3000	5000K	80	70,000	Yes	Damp	NSF Food Zone
	G13	10	93135714	LED10ET8/G/4/835CVG	20	48	11.5	1400	13	1600	17.5	2150	3500K	80	70,000	Yes	Damp	NSF Food Zone
	G13	10	93135715	LED10ET8/G/4/840CVG	20	48	11.5	1400	13	1600	17.5	2150	4000K	80	70,000	Yes	Damp	NSF Food Zone
	G13	10	93135716	LED10ET8/G/4/850CVG	20	48	11.5	1400	13	1650	17.5	2250	5000K	80	70,000	Yes	Damp	NSF Food Zone
<b>Integrated 3ft covRguard® Plastic Sleeved Glass Tubes (operates on Instant Start or Program Start Ballast)</b>																		
T8	G13	10.5	93135659	LED11ET8/G/3/835CVG	20	36	11.5	1350	13	1600	18	2150	3500K	80	70,000	Yes	Damp	NSF Food Zone
	G13	10.5	93135660	LED11ET8/G/3/840CVG	20	36	11.5	1350	13	1600	18	2150	4000K	80	70,000	Yes	Damp	NSF Food Zone
	G13	10.5	93135661	LED11ET8/G/3/850CVG	20	36	11.5	1400	13	1650	18	2250	5000K	80	70,000	Yes	Damp	NSF Food Zone
<b>Integrated 2ft covRguard® Plastic Sleeved Glass Tubes (operates on Instant Start or Program Start Ballast)</b>																		
T8	G13	8.5	93135655	LED8ET8/G/2/835CVG	20	24	9.5	1200	11	1350	15	1850	3500K	80	70,000	Yes	Damp	NSF Food Zone
	G13	8.5	93135656	LED8ET8/G/2/840CVG	20	24	9.5	1200	11	1350	15	1850	4000K	80	70,000	Yes	Damp	NSF Food Zone
	G13	8.5	93135657	LED8ET8/G/2/850CVG	20	24	9.5	1200	11	1350	15	1850	5000K	80	70,000	Yes	Damp	NSF Food Zone

### Integrated PET Plastic Coated Glass Tubes - Type A

Bulb Shape	Base Type	Lamp Watts <sup>5</sup>	Order Code	Description	Carton Qty <sup>2</sup>	MOL (in)	Low Ballast Factor		Normal Ballast Factor		High Ballast Factor		Color Temp (Initial)	CRI	Rated Life L70 (Hrs) <sup>1</sup>	DLC <sup>4</sup>	Location Rating <sup>3</sup>	Additional Information
							System Watts	Lumens (Initial)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)						
<b>Integrated 4ft PET Plastic Coated Glass Tubes (operates on Instant Start or Program Start Ballast)</b>																		
T8	G13	14	93107394	LED14ET8/G/4/830CT	20	48	15	1700	17	2050	23	2700	3000K	80	50,000	-	Damp	NSF Splash Zone
	G13	14	93107506	LED14ET8/G/4/835CT	20	48	15	1700	17	2050	23	2700	3500K	80	50,000	Yes	Damp	NSF Splash Zone
	G13	14	93107507	LED14ET8/G/4/840CT	20	48	15	1750	17	2100	23	2750	4000K	80	50,000	Yes	Damp	NSF Splash Zone
	G13	14	93107510	LED14ET8/G/4/850CT	20	48	15	1750	17	2100	23	2750	5000K	80	50,000	Yes	Damp	NSF Splash Zone

<sup>1</sup> The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

<sup>2</sup> Minimum order quantity = Carton Qty

<sup>3</sup> UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

<sup>4</sup> Not all product variations on this page are DLC qualified. Visit [qpl.designlights.org/solid-state-lighting](http://qpl.designlights.org/solid-state-lighting) to confirm qualification.

<sup>5</sup> Bare lamp wattage operated on Normal Ballast Factor. Measured performance on Low (0.78), Normal (0.88) and High (1.18) Ballast Factors is provided for reference. Performance may vary depending on ballast model and age. Check ballast compatibility at [www.LED.com/LEDTUBES-ballast-compatibility](http://www.LED.com/LEDTUBES-ballast-compatibility).



## Type A Tubes

CUSTOMER NAME \_\_\_\_\_  
 PROJECT NAME \_\_\_\_\_  
 DATE \_\_\_\_\_ NOTES \_\_\_\_\_

### Integrated Glass Tubes - Type A - T5

Bulb Shape	Base Type	Lamp Watts <sup>5</sup>	Order Code	Description	Carton Qty <sup>2</sup>	MOL (In)	System Watts (BF=1.0)	Lumens (Initial)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) <sup>1</sup>	DLC <sup>4</sup>	Location Rating <sup>3</sup>	Additional Information
<b>Integrated 4ft T5 HO Glass Tubes (operates on T5 Ballast)</b>														
T5	G5	25.5	19203	LED26ET5/G/4/830	20	46	32	3650	3000K	80	50,000	Yes	Damp	Requires T5 HO Ballast
	G5	25.5	19221	LED26ET5/G/4/835	20	46	32	3750	3500K	80	50,000	Yes	Damp	Requires T5 HO Ballast
	G5	25.5	19227	LED26ET5/G/4/840	20	46	32	3800	4000K	80	50,000	Yes	Damp	Requires T5 HO Ballast
	G5	25.5	19348	LED26ET5/G/4/850	20	46	32	3900	5000K	80	50,000	Yes	Damp	Requires T5 HO Ballast
	G5	25.5	19488	LED26ET5/G/4/865	20	46	32	3800	6500K	80	50,000	-	Damp	Requires T5 HO Ballast
<b>Integrated 2ft T5 HO Glass Tubes (operates on T5 Ballast)</b>														
T5	G5	11	34413	LED11ET5/G/2/830	20	22	13.5	1500	3000K	80	50,000	-	Damp	Requires T5 HO Ballast
	G5	11	34417	LED11ET5/G/2/835	20	22	13.5	1550	3500K	80	50,000	-	Damp	Requires T5 HO Ballast
	G5	11	34418	LED11ET5/G/2/840	20	22	13.5	1600	4000K	80	50,000	-	Damp	Requires T5 HO Ballast
	G5	11	34424	LED11ET5/G/2/850	20	22	13.5	1600	5000K	80	50,000	-	Damp	Requires T5 HO Ballast
<b>Integrated 4ft T5 HE Glass Tubes (operates on T5 Ballast)</b>														
T5	G5	13	34351	LED13ET5G4/830HE	20	46	16	1900	3000K	80	50,000	Yes	Damp	Requires T5 HE Ballast
	G5	13	34354	LED13ET5G4/835HE	20	46	16	1950	3500K	80	50,000	Yes	Damp	Requires T5 HE Ballast
	G5	13	34355	LED13ET5G4/840HE	20	46	16	2000	4000K	80	50,000	Yes	Damp	Requires T5 HE Ballast
	G5	13	34367	LED13ET5G4/850HE	20	46	16	2000	5000K	80	50,000	Yes	Damp	Requires T5 HE Ballast
<b>Integrated 3ft T5 HE Glass Tubes (operates on T5 Ballast)</b>														
T5	G5	10	34371	LED10ET5G3/830HE	20	34	13	1500	3000K	80	50,000	-	Damp	Requires T5 HE Ballast
	G5	10	34376	LED10ET5G3/835HE	20	34	13	1550	3500K	80	50,000	-	Damp	Requires T5 HE Ballast
	G5	10	34401	LED10ET5G3/840HE	20	34	13	1600	4000K	80	50,000	-	Damp	Requires T5 HE Ballast
	G5	10	34402	LED10ET5G3/850HE	20	34	13	1600	5000K	80	50,000	-	Damp	Requires T5 HE Ballast
<b>Integrated 2ft T5 HE Glass Tubes (operates on T5 Ballast)</b>														
T5	G5	7	34403	LED7ET5/G2/830HE	20	22	10	1000	3000K	80	50,000	-	Damp	Requires T5 HE Ballast
	G5	7	34404	LED7ET5/G2/835HE	20	22	10	1100	3500K	80	50,000	-	Damp	Requires T5 HE Ballast
	G5	7	34411	LED7ET5/G2/840HE	20	22	10	1150	4000K	80	50,000	-	Damp	Requires T5 HE Ballast
	G5	7	34412	LED7ET5/G2/850HE	20	22	10	1150	5000K	80	50,000	-	Damp	Requires T5 HE Ballast

<sup>1</sup> The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

<sup>2</sup> Minimum order quantity = Carton Qty

<sup>3</sup> UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

<sup>4</sup> Not all product variations on this page are DLC qualified. Visit [qpl.designlights.org/solid-state-lighting](http://qpl.designlights.org/solid-state-lighting) to confirm qualification.

<sup>5</sup> Bare lamp wattage operated on T5 Ballasts. Measured performance on T5 ballasts (Ballast Factor = 1.0) is provided for reference. Performance may vary depending on ballast model and age.

Check ballast compatibility at [www.LED.com/LEDTUBES-ballast-compatibility](http://www.LED.com/LEDTUBES-ballast-compatibility).