

TOTALtUBE G2 T8 BALLAST COMPATIBLE & LINE VOLTAGE | PLUG & PLAY



The RemPhos 2nd Generation TOTALtUBE G2 is the safest LED tube on the market and features a luminous efficacy of 130 lumens per watt. Our smart internal driver is compatible with most fluorescent ballasts or remove the ballast altogether and power directly with 120-277V_{AC} line voltage for more than 7 years of maintenance-free operation. The TOTALtUBE G2 is UL listed for plug-n-play operation (UL Type A) and UL classified for a ballast bypass operation (UL Type B). First to market with the SMARTSENSE-TLED intelligent switching system, which provides the safest possible installation. The switch prevents any risk of electricity flowing from one end of the tube to the other before all 4 switches are engaged and also prevents against "socket to lamp pin" electrical arcing. The lamp features an integrated TEMPSense fused thermal protection that prevents any overheating. Light is emitted >240° through a diffused lens cover to provide direct, glare-free and uniform illumination (you will not see any LED spots). Backed up by RemPhos' extensive and reliable history of manufacturing.

Available in 24in, 36in, and U-Bend as well as two options of 48in – standard and high output (HQ)

PROJECT NAME

PART NUMBER

PART NUMBER BUILDER

MANUFACTURER

RPT

MODEL NUMBER

TOTALTUBEG2

TOTALTUBEHOG2*
TOTALTUBE**

LAMP STYLE

T8

LENGTH

24IN
36IN
48IN
24INU

* 48IN only
** U-Bend only

COLOR TEMPERATURE

3000K
3500K
4000K
5000K

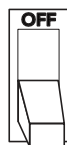
ORDERING EXAMPLE

RPT-TOTALTUBEG2-T8-48IN-4000K

INSTALLATION GUIDE

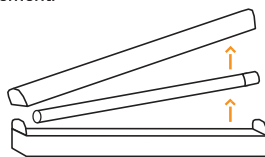
Please perform a visual inspection of the lamp holders to ensure that they are not damaged or loose. If damaged, corroded, charred, blackened, or loose, contact a qualified electrician for proper replacement.

1



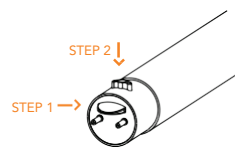
Turn off power to the fixture.

2



Remove lens or diffusion cover on the luminaire. Remove the existing fluorescent tubes. Disconnect (or remove) the ballast if wiring to line voltage. If wiring to line voltage, DOUBLE ENDED power wiring is utilized. Shunted or non-shunted sockets may be used.

3



Once the LED tube is properly inserted into position, the SMARTSENSE-TLED switch STEP 1 is complete. Press the SMARTSENSE-TLED switches labeled STEP 2. Electricity will not flow through lamp until all switches are engaged.



4



If wiring to line voltage, apply the caution label to a visible spot on the fixture. Replace the lens and turn on your lights!

Simplified instructions. Reference full installation guide for more details. Only qualified personnel should perform installation.

QUICK SPECS

INPUT VOLTAGE	120-277VAC or ballast dependent
EFFICACY	130 LPW
OPERATING TEMP	-30°C to 45°C
MAX. CASE TEMP	50°C
POWER FACTOR/THD	>0.9 Power Factor, THD<20%
CRI	> 80
BEAM ANGLE	240°
RATED LIFE	L70 LED Lifetime > 100,000 hrs
WARRANTY	7 years

CERTIFICATIONS



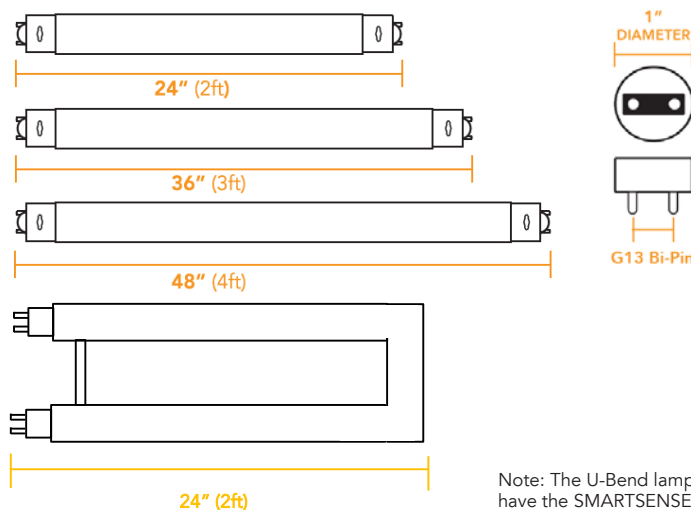
Suitable for damp locations

PERFORMANCE LISTINGS



Please refer to the next page for list of models that are on the DLC QPL.

DIMENSIONS



Note: The U-Bend lamps don't have the SMARTSENSE-TLED switch system.

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ORDERING GUIDE

CASE QTY	ENERGY STAR	DLC	PART #	LUMEN OUTPUT (LM)	WATTAGE (W)*	CCT (K)	VOLTAGE RANGE (V _{AC})	WARRANTY (YRS)	EQUIV.
25		S	RPT-TOTALTUBEG2-T8-24IN-3000K	1150	9.6	3000	120 - 277	7	F17T8
25		S	RPT-TOTALTUBEG2-T8-24IN-3500K	1150	9.6	3500	120 - 277	7	F17T8
25		S	RPT-TOTALTUBEG2-T8-24IN-4000K	1250	9.6	4000	120 - 277	7	F17T8
25		S	RPT-TOTALTUBEG2-T8-24IN-5000K	1250	9.6	5000	120 - 277	7	F17T8
25			RPT-TOTALTUBEG2-T8-36IN-3000K	1550	13	3000	120 - 277	7	F25T8
25			RPT-TOTALTUBEG2-T8-36IN-3500K	1550	13	3500	120 - 277	7	F25T8
25			RPT-TOTALTUBEG2-T8-36IN-4000K	1700	13	4000	120 - 277	7	F25T8
25			RPT-TOTALTUBEG2-T8-36IN-5000K	1700	13	5000	120 - 277	7	F25T8
25		S	RPT-TOTALTUBEG2-T8-48IN-3000K	1550	13	3000	120 - 277	7	F32T8
25		S	RPT-TOTALTUBEG2-T8-48IN-3500K	1550	13	3500	120 - 277	7	F32T8
25		S	RPT-TOTALTUBEG2-T8-48IN-4000K	1700	13	4000	120 - 277	7	F32T8
25		S	RPT-TOTALTUBEG2-T8-48IN-5000K	1700	13	5000	120 - 277	7	F32T8
25		S	RPT-TOTALTUBEHOG2-T8-48IN-3000K	2050	17	3000	120 - 277	7	F32T8
25		S	RPT-TOTALTUBEHOG2-T8-48IN-3500K	2050	17	3500	120 - 277	7	F32T8
25		S	RPT-TOTALTUBEHOG2-T8-48IN-4000K	2250	17	4000	120 - 277	7	F32T8
25		S	RPT-TOTALTUBEHOG2-T8-48IN-5000K	2250	17	5000	120 - 277	7	F32T8
10		S	RPT-TOTALTUBE-T8-24INU-3000K	1950	15	3000	120 - 277	7	F32T8
10		S	RPT-TOTALTUBE-T8-24INU-3500K	1950	15	3500	120 - 277	7	F32T8
10		S	RPT-TOTALTUBE-T8-24INU-4000K	1950	15	4000	120 - 277	7	F32T8
10		S	RPT-TOTALTUBE-T8-24INU-5000K	1950	15	5000	120 - 277	7	F32T8

S Lamps are DLC Standard (there is no premium category for linear replacement lamps).

* Lamp wattages are based on UL Type B operation (no ballast).

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SYSTEM POWER AND LUMINOUS FLUX INFORMATION (WITH A BALLAST)

PART#	AVERAGE SYSTEM POWER (W)			AVERAGE LAMP FLUX (LM)		
	LOW BF (0.77)	NORMAL BF (0.88)	HIGH BF (1.18)	LOW BF (0.77)	NORMAL BF (0.88)	HIGH BF (1.18)
RPT-TOTALTUBEG2-T8-24IN-3000K	9.7	12.5	16	900	1150	1450
RPT-TOTALTUBEG2-T8-24IN-3500K	9.7	12.5	16	900	1150	1450
RPT-TOTALTUBEG2-T8-24IN-4000K	9.7	12.5	16	975	1250	1600
RPT-TOTALTUBEG2-T8-24IN-5000K	9.7	12.5	16	975	1250	1600
RPT-TOTALTUBEG2-T8-36IN-3000K	11.7	15	19.2	1200	1550	1980
RPT-TOTALTUBEG2-T8-36IN-3500K	11.7	15	19.2	1200	1550	1980
RPT-TOTALTUBEG2-T8-36IN-4000K	11.7	15	19.2	1310	1700	2150
RPT-TOTALTUBEG2-T8-36IN-5000K	11.7	15	19.2	1310	1700	2150
RPT-TOTALTUBEG2-T8-48IN-3000K	11.7	15	19.2	1200	1550	1980
RPT-TOTALTUBEG2-T8-48IN-3500K	11.7	15	19.2	1200	1550	1980
RPT-TOTALTUBEG2-T8-48IN-4000K	11.7	15	19.2	1310	1700	2150
RPT-TOTALTUBEG2-T8-48IN-5000K	11.7	15	19.2	1310	1700	2150
RPT-TOTALTUBEHOG2-T8-48IN-3000K	14.4	18.5	23.6	1610	2050	2650
RPT-TOTALTUBEHOG2-T8-48IN-3500K	14.4	18.5	23.6	1610	2050	2650
RPT-TOTALTUBEHOG2-T8-48IN-4000K	14.4	18.5	23.6	1750	2250	2880
RPT-TOTALTUBEHOG2-T8-48IN-5000K	14.4	18.5	23.6	1750	2250	2880
RPT-TOTALTUBE-T8-24INU-3000K	12.5	15.5	16.5	1350	1700	1850
RPT-TOTALTUBE-T8-24INU-3500K	12.5	15.5	16.5	1350	1700	1850
RPT-TOTALTUBE-T8-24INU-4000K	12.5	15.5	16.5	1350	1700	1850
RPT-TOTALTUBE-T8-24INU-5000K	12.5	15.5	16.5	1350	1700	1850

Note: The average system power is calculated by measuring the average system wattage for a single LED tube including the ballast. Average system power was measured at 120V and 277V with multiple ballasts from Philips, Osram, GE, Keystone, Sunpark, Howard.

ACCESSORIES – EMERGENCY OPERATION

PART #	DESCRIPTION	INPUT VOLTAGE (V _{AC})	FLUX OUTPUT (LM)	ESTIMATED EMERGENCY RUN TIME (MIN)
RPT-ACCESSORY-EMGKIT-HS1-500LM	UL Classified emergency kit	120 – 277	500	145