# SubstiTUBE® DULUX® LED Pin Base Lamps



#### **Key Features & Benefits**

- Ballast compatible LED replacement lamps for traditional pin-base compact fluorescent lamps minimize labor cost by utilizing existing fluorescent ballasts.
- G24q/GX24q base lamps have four pins and operate on existing electronic ballasts directly replacing DULUX D/E traditional lamps.\*
- GX23 base lamps have two pins, operate on magnetic ballasts and are for horizontal applications, directly replacing DULUX DS traditional lamps.
- High LPW of up to 122 provides a low wattage, energy saving replacement for traditional lamps.
- Horizontal and Vertical configurations available with G24g/GX24g to optimize different fixture optics.

- Horizontal lamps have rotating bases for ease of directing light.
- Over current protection provides consistent lumen output regardless of compatible ballast operation.
- Over temperature protection ensures that lamps will not overheat.
- Available in 2700K-4100K providing choices to harmonize colors with other technologies in the same application space.
- Long life of 50,000 hours, lasting up to three times as long as the lamps they replace, minimizes maintenance costs over the life of the lamp.
- 5-year warranty for worry-free installations.

\*See chart below for replacement guide.

## **Product Offering**

Ordering			Typical
Abbreviation	Wattage	CCT	Lumens
LED6PBGX23H	6	2700K, 3500K, 4100K	625
LED9PBGX24QHG2	9	2700K, 3000K, 3500K, 4100K	900, 950, 1000
LED9PBGX24QVG2	9	2700K, 3000K, 3500K, 4100K	900, 950, 1000
LED16PBGX24QH	16	2700K, 3000K, 3500K, 4100K	1650, 1750, 1850

## **Application Information**

## **Applications**

- Commercial
- Healthcare facilities
- Hospitality
- Office
- Property management
- Residential
- Retail

## **Application Notes**

- 1. Operating Temperature range between -20°C and 45°C.
- 2. Not for use in totally enclosed fixtures.
- 3. Suitable for damp locations.
- 4. Not for use with emergency light fixtures or exit lights.
- 5. Not suitable for use in dimming applications.
- 6. Check LED retrofit compatibility list and ballast compatibility list (www.sylvania.com) before installation.
- 7. Selected LED Retrofit models may produce less light output than corresponding original traditional CFL lamps.
- 8. DULUX LED GX24Q lamp works in a G24Q base and any base of the series. Verify MOL for compatibility.

- 9. DULUX LED GX23 is not a replacement for 7W & 5W traditional CFL lamps.
- 10. DULUX GX23 base is not compatible with traditional G23 base.
- 11. This DULUX LED family is not compatible with G24d-1 2-pin 13W, G24d-2 4-pin 18W and G24d-3 4-pin 26W.
- 12. Lamps with GX24q bases are not suitable for use with magnetic ballasts.

#### **Specifications and Certifications**

















#### **Specification Data**

Catalog #	Туре
Project	
Comments	
Prepared by	

## **Specifications**

**EMI/RFI:** FCC Title 47 CFR, Part 18, Non-Consumer (GX24q) and Part 15, Class B (GX23)

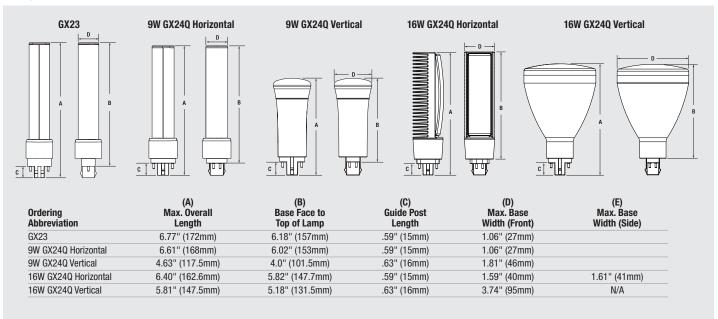
## **Ordering Information**

Item	Ordering							DLC
Number	Abbreviation	Configuration	Wattage	Lumens (Im)	CCT	CRI	DIM	(Y/N)
40448	LED6PBGX23H827	Horizontal	6W	625	2700K	80	No	N/A
40449	LED6PBGX23H835	Horizontal	6W	625	3500K	80	No	N/A
40450	LED6PBGX23H841	Horizontal	6W	625	4100K	80	No	N/A
40019	LED9PBGX24QH827G2	Horizontal	9W	900	2700K	80	No	Υ
40020	LED9PBGX24QH830G2	Horizontal	9W	950	3000K	80	No	Υ
75036	LED9PBGX24QH835G2	Horizontal	9W	950	3500K	80	No	Υ
75037	LED9PBGX24QH841G2	Horizontal	9W	1000	4100K	80	No	Υ
40017	LED9PBGX24QV827G2	Vertical	9W	900	2700K	80	No	Υ
40018	LED9PBGX24QV830G2	Vertical	9W	950	3000K	80	No	Υ
75038	LED9PBGX24QV835G2	Vertical	9W	950	3500K	80	No	Υ
75039	LED9PBGX24QV841G2	Vertical	9W	1000	4100K	80	No	Υ
40406	LED16/PB/GX24Q/H/827	Horizontal	16W	1650	2700K	80	No	Υ
40407	LED16/PB/GX24Q/H/830	Horizontal	16W	1750	3000K	80	No	Υ
40408	LED16/PB/GX24Q/H/835	Horizontal	16W	1750	3500K	80	No	Υ
40409	LED16/PB/GX24Q/H/841	Horizontal	16W	1850	4100K	80	No	Υ
40410	LED16/PB/GX24Q/V/827	Vertical	16W	1650	2700K	80	No	Υ
40411	LED16/PB/GX24Q/V/830	Vertical	16W	1750	3000K	80	No	Υ
40412	LED16/PB/GX24Q/V/835	Vertical	16W	1750	3500K	80	No	Υ
40413	LED16/PB/GX24Q/V/841	Vertical	16W	1850	4100K	80	No	Υ

## **Ordering Guide**

LED	9	1	PB	1	GX23	1	Н	1	8	35	G2	
LED Lamp	Wattage		Pin Base		Base Type		Orientation		CRI= 80+	Color Temperature	Generation	

## **Lamp Dimensions**



## **Replacement Chart**

								SubstiTUBE® DULUX LED Lamps							
				Tradi	itional DU	LUX®		LED	LED16PBGX24q LED9PBGX24q LED6PB GX23						
Traditional Family	Watts	Traditional Description	Watts	Mean Lumens	Base	MOL Length	Base	MOL 16W LED H	MOL 16W LED V	16W Lumens	MOL 9W LED H	MOL 9W LED V	16W Lumens	MOL 6W LED H	Comments
	42	CF42DT/E/IN/8XX/ECO	42	2752	GX24q-4	6.5"	G24q / GX24q	6.40"	5.81"	1650- 1850	6.61"	4.63"	900- 1000		16W is the direct replacement
	32	CF32DT/E/IN/8XX/ECO	32	2064	GX24q-3	5.6"			5.81"	1650- 1850		4.63"	900- 1000		9W H & 16W H & V may be too long, 9W V may not be bright enough.
DULUX T/E Electronic	26	CF26DT/E/IN/8XX/ECO	26	1548	GX24q-3	5"						4.63"	900- 1000		16W Will be too long, 9W may not be bright enough.
	18	CF18DT/E/IN/8XX/ECO	18	1032	GX24q-2	4.4"						4.63"	900- 1000		16W H & V will be too long and too bright. 9W H too long, 9W V, check fit and brightness
	13	CF13DT/E/ECO	13	774	GX24q-1	4.2"						4.63"	900- 1000		9W V may work but may be too bright
	26	CF26DD/E/8XX/ECO	26	1470	G24q-3	6.5"	G24q / GX24q	6.40"	5.81"	1650- 1850	6.61"	4.63"	900- 1000		9W is the Direct Replacement; 16W will be too bright
DULUX D/E Electronic	18	CF18DD/E/8XX/ECO	18	989	G24q-2	5.8"						4.63	900- 1000		9W V may work, check brightness; 9W H is too long
	13	CF13DD/E/8XX/ECO	13	774	G24q-1	5.2"						4.63	900- 1000		9W V may work, check brightness; 9W H is too long
DULUX S Magnetic	13	CF13DS/EC0	13	688	GX23	7.1"	GX23				6.61"	N/A	625	6.77"	6W is the Direct Replacment

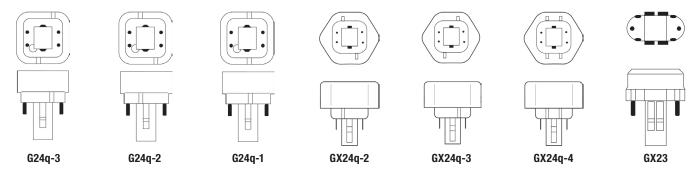
Notes: Before replacing lamps with LED replacement lamps, check the lumens and overall length of the lamp to ensure a proper retrofit. Cells that are RED do not imply mechanical incompatibiliy. When in doubt, try the lamp prior to a large installation.

Direct Replacement

Likely fit, check fixture dimensions and brightness

Base fits, length or lumens may be prohibitive

## **Base Types**



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