

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 G24q/GX24q 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 Abbreviation	Wattage	CCT	Typical 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 #	Type
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 Number	Ordering Abbreviation	Configuration	Wattage	Lumens (lm)	CCT	CRI	DIM	DLC (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	Y
40020	LED9PBGX24QH830G2	Horizontal	9W	950	3000K	80	No	Y
75036	LED9PBGX24QH835G2	Horizontal	9W	950	3500K	80	No	Y
75037	LED9PBGX24QH841G2	Horizontal	9W	1000	4100K	80	No	Y
40017	LED9PBGX24QV827G2	Vertical	9W	900	2700K	80	No	Y
40018	LED9PBGX24QV830G2	Vertical	9W	950	3000K	80	No	Y
75038	LED9PBGX24QV835G2	Vertical	9W	950	3500K	80	No	Y
75039	LED9PBGX24QV841G2	Vertical	9W	1000	4100K	80	No	Y
40406	LED16/PB/GX24Q/H/827	Horizontal	16W	1650	2700K	80	No	—
40407	LED16/PB/GX24Q/H/830	Horizontal	16W	1750	3000K	80	No	—
40408	LED16/PB/GX24Q/H/835	Horizontal	16W	1750	3500K	80	No	—
40409	LED16/PB/GX24Q/H/841	Horizontal	16W	1850	4100K	80	No	—
40410	LED16/PB/GX24Q/V/827	Vertical	16W	1650	2700K	80	No	—
40411	LED16/PB/GX24Q/V/830	Vertical	16W	1750	3000K	80	No	—
40412	LED16/PB/GX24Q/V/835	Vertical	16W	1750	3500K	80	No	—
40413	LED16/PB/GX24Q/V/841	Vertical	16W	1850	4100K	80	No	—

Ordering Guide

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

Lamp Dimensions

Ordering Abbreviation	(A) Max. Overall Length	(B) Base Face to Top of Lamp	(C) Guide Post Length	(D) Max. Base Width (Front)	(E) Max. Base Width (Side)
GX23	6.77" (172mm)	6.18" (157mm)	.59" (15mm)	1.06" (27mm)	
9W GX24Q Horizontal	6.61" (168mm)	6.02" (153mm)	.59" (15mm)	1.06" (27mm)	
9W GX24Q Vertical	4.63" (117.5mm)	4.0" (101.5mm)	.63" (16mm)	1.81" (46mm)	
16W GX24Q Horizontal	6.40" (162.6mm)	5.82" (147.7mm)	.59" (15mm)	1.59" (40mm)	1.61" (41mm)
16W GX24Q Vertical	5.81" (147.5mm)	5.18" (131.5mm)	.63" (16mm)	3.74" (95mm)	N/A

Replacement Chart

Traditional Family	Watts	Traditional Description	Watts	Mean Lumens	Base	MOL Length	Base	SubstiTUBE® DULUX LED Lamps							Comments
								LED16PBGX24q			LED9PBGX24q			LED6PB GX23	
								MOL 16W LED H	MOL 16W LED V	16W Lumens	MOL 9W LED H	MOL 9W LED V	16W Lumens	MOL 6W LED H	
DULUX T/E Electronic	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.
	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
DULUX D/E Electronic	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
	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/ECO	13	688	GX23	7.1"	GX23				6.61"	N/A	625	6.77"	6W is the Direct Replacement

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 incompatibility. When in doubt, try the lamp prior to a large installation.

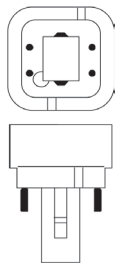
Key:

Direct Replacement

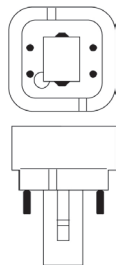
Likely fit, check fixture dimensions and brightness

Base fits, length or lumens may be prohibitive

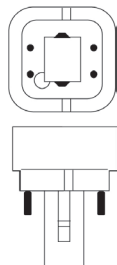
Base Types



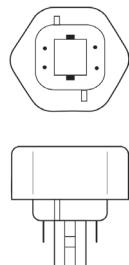
G24q-3



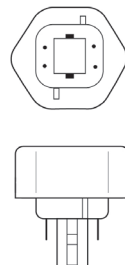
G24q-2



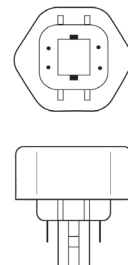
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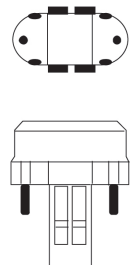
GX24q-2



GX24q-3



GX24q-4



GX23

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