



LED CFL Replacement Lamps, Ballast Bypass

5, 6, 7, 8 or 12 Watts – 100~277VAC – 140° Wide Beam – 2700K to 5000K White – 2 or 4-Pin Base – UL



FEATURES

- 5 Year LEDtronics Warranty
- Direct Replacement with Fluorescent Ballast Bypass Lamps
- UL/cUL Classified or Listed
- UL/cUL Damp Listed
- Pivoting 2-Pin GX23, G24D or 4-Pin G24Q Universal Base for Ceiling Canister Lighting
- Energy Savings of up to 70% over CFLs
- Lumen Maintenance over 70% @ 50,000+ Hours
- No Mercury, No Lead – ROHS Compliant
- No UV, No IR / No RF Interference / Minimal Heat
- High CRI, High Lumen
- Solid-State: High Shock & High Vibration Resistant



APPLICATIONS

- UL Listed for Damp Locations
- Ceiling Can Lights in Commercial Buildings
- Down Lights in Offices, Shops, Stores & Homes
- Wall Sconces & Lanterns
- Floodlight / Security Light
- Step Lighting
- Accent & Display Lighting
- Museum, Theater Effect Lighting

AVAILABLE OPTIONS

- Other Color Temperatures: From 2700K Halogen White to 6700K Cool White

More than 40 Years of LEDtronics Design, Engineering & Manufacturing Experience



2 Pin
G24D



2 Pin
GX23D



4 Pin
G24Q

LEDTRONICS®

America's Premium Brand LED Company™



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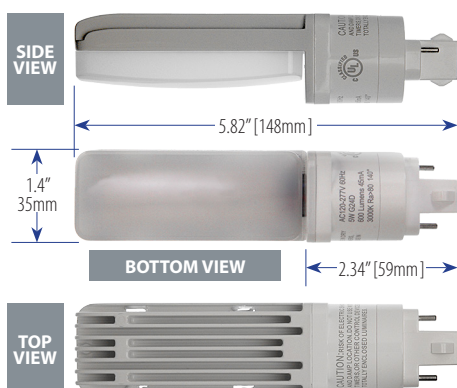
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LOG 688 / Rev 05-2024

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Printed material may be outdated.

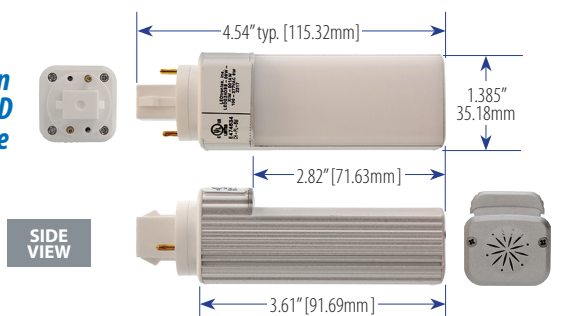
6" Can Ceiling Lighting in Right-Angled
(Horizontal) Configuration2 Pin G24D Base
Pivots 180°Frosted
LensOnly 5 Watts, Replaces
CFL Lamps up to 18W

LEDG24DBB-05W-XIW-001AW (Warm White)

LEDG24DBB-05W-XNW-001AW (Natural White)

	XIW	XNW
Input Power	5 Watts	
Input Voltage	120~277VAC (Tested @ 120VAC)	
Input Current	0.04A	
Total Lumens	583 lm	522.7 lm
Efficacy	124 lm/W	108.89 lm/W
Max. Candela	177 cd	165 cd
Power Factor	0.99	>0.90
LED Emitted Color	Warm White	Natural White
Color Temperature	3000K	4100K
CRI	>80	
Illumination Angle	140°	
Dimmability	Not Dimmable	
Base Style	G24D 2-Pin	
Heatsink	Die-Cast Aluminum / White	
Lens	Polycarbonate / Frosted White	
Oper. Temperature	-4°F ~ +104°F / -20°C ~ +40°C	
Dimensions	L5.82 x W1.4 in. / L148 x 35 mm	
Weight	0.25 lb / 110g	
UL/cUL Classification	E358356	

CAUTION: Intended only for installation where the lamp is oriented horizontally, with light beaming downward.

Frosted
Lens6" Can Ceiling Lighting in Right-Angled
(Horizontal) Configuration2 Pin
G24D
Base

LEDG24DBB-07W-XIW-001AW (Warm White)

LEDG24DBB-07W-XNW-001AW (Natural White)

	XIW	XNW
Input Power	7 Watts	6.9 Watts
Input Voltage	100~277VAC (Tested @ 120VAC)	
Input Current	0.06A	0.059A
Total Lumens	823 lm	832 lm
Efficacy	127 lm/W	121 lm/W
Max. Candela	245 cd	258 cd
Power Factor	0.98	0.97
LED Emitted Color	Warm White	Natural White
Color Temperature	3000K	4000K
CRI	>80	>83
Illumination Angle	140°	115° x 120°
Dimmability	Not Dimmable	
Base Style	G24D 2-Pin, White PC	
Heatsink	Die-Cast Aluminum / Silver	
Lens	Polycarbonate / Frosted White	
Oper. Temperature	-4°F ~ +104°F / -20°C ~ +40°C	
Dimensions	L4.54 x W1.385 in. / L115.3 x 35.2 mm	
Weight	0.26 lb / 120g	0.21 lb / 100g
UL/cUL Listed	E474634 (CH-PL-8W)	
Warranty	3 Years	

CAUTION: Intended only for installation where the lamp is oriented horizontally, with light beaming downward.

LED CFL Replacement Lamps, Ballast Bypass, UL Damp Listed: 2-Pin G24D Base / 8 Watts

3

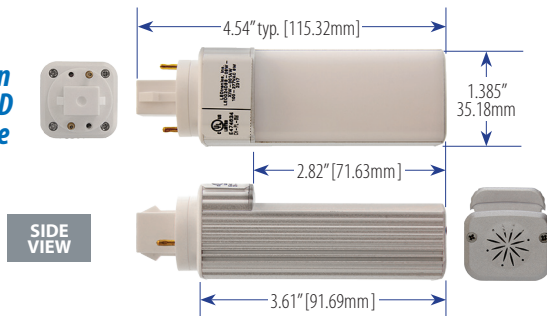
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Frosted Lens

6" Can Ceiling Lighting in Right-Angled (Horizontal) Configuration

2 Pin G24D Base



LEDG24DBB-08W-XIW-001AW

Input Power	7.3 Watts
Input Voltage	100~277VAC (Tested @ 120VAC)
Input Current	0.062A
Total Lumens	818 lm
Efficacy	112 lm/W
Max. Candela	258 cd
Power Factor	0.97
LED Emitted Color	Warm White
Color Temperature	3000K
Illumination Angle	115° x 120°
Dimmability	Not Dimmable
Base	G24D 2-Pin, White PC
Housing	Die-Cast Aluminum / Silver
Lens	Polycarbonate / Frosted White
Oper. Temperature	-4°F ~+149°F / -20°C ~+65°C
Dimensions	L4.54 x W1.385 in. / L115.3 x 35.2 mm
Weight	0.21 lb / 100g
UL/cUL Listed	E474634 (CH-PL-8W)
Warranty	3 Years

CAUTION: Intended only for installation where the lamp is oriented horizontally, with light beaming downward.

LED CFL Replacement Lamps, Ballast Bypass, UL Damp Listed: 4-Pin G24Q Base / 7 Watts

6" Can Ceiling Lighting in Right-Angled (Horizontal) Configuration

Only 7 Watts, Replaces CFL Lamps up to 26W



Frosted Lens

4 Pin G24Q Base Pivots 180°



LEDG24QBB-7W-XIW-001AW (Warm White)

LEDG24QBB-7W-XNW-001AW (Natural White)

LEDG24QBB-7W-XPW-001AW (Pure White)

	XIW	XNW	XPW
Input Power	7 Watts	7 Watts	7 Watts
Input Voltage	120~277VAC (Tested @ 120VAC)		
Input Current	0.06A	0.06A	0.06A
Total Lumens	855 lm	790 lm	820 lm
Efficacy	126 lm/W	114 lm/W	119 lm/W
Max. Candela	252 cd	262 cd	259 cd
Power Factor	0.99	0.99	0.99
LED Emitted Color	Warm White	Natural White	Pure White
Color Temperature	3000K	4100K	5000K
CRI		>80	
Illumination Angle		140°	
Dimmability	Not Dimmable		
Base Style	G24Q 4-Pin		
Heatsink	Die-Cast Aluminum / White		
Lens	Polycarbonate / Frosted White		
Oper. Temperature	-4°F ~+104°F / -20°C ~+40°C		
Dimensions	L5.82 x W1.4 in. / L148 x 35 mm		
Weight	0.26 lb / 120g		
UL/cUL Classified	E476877		
Warranty	5 Years		

CAUTION: Intended only for installation where the lamp is oriented horizontally, with light beaming downward.

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Only 5 Watts, Replaces CFL Lamps up to 18W

6" Can Ceiling Lighting in Right-Angled (Horizontal) Configuration



Frosted Lens



2 Pin GX23D Base Pivots 180°

Only 7 Watts, Replaces CFL Lamps up to 26W

LEDGX23DBB-05W-XHW-001AW (Halogen White)
LEDGX23DBB-05W-XIW-001AW (Warm White)
LEDGX23DBB-05W-XNW-001AW (Warm White)

	XHW	XIW	XNW
Input Power	5 Watts	5 Watts	5 Watts
Input Voltage	120~277VAC (Tested @ 120VAC)		
Input Current	0.04A	0.04A	0.04A
Total Lumens	582 lm	562 lm	563 lm
Efficacy	116 lm/W	125 lm/W	117 lm/W
Max. Candela	176 cd	171 cd	186 cd
Power Factor	0.99	0.99	0.99
LED Emitted Color	Halogen White	Warm White	Natural White
Color Temperature	2700K	3000K	4100K
CRI		>80	
Illumination Angle		140°	
Dimmability		Not Dimmable	
Base Style		GX23D 2-Pin	
Heatsink		Die-Cast Aluminum / White	
Lens		Polycarbonate / Frosted White	
Oper. Temperature	-4°F ~+104°F / -20°C ~+40°C		
Dimensions	L6.1 x W1.4 in. / L155 x 35 mm		
Weight	0.25 lb / 110g		



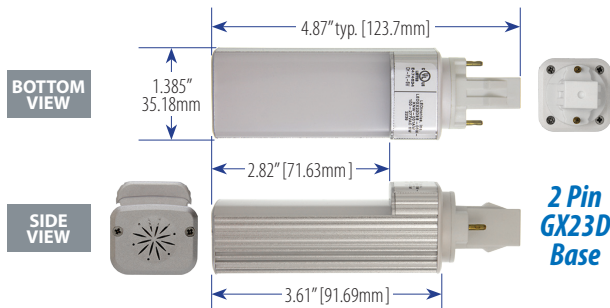
LEDGX23DBB-07W-XIW-001AW (Warm White)
LEDGX23DBB-07W-XNW-001AW (Natural White)

	XIW	XNW
Input Power	7 Watts	6 Watts
Input Voltage	120~277VAC (Tested @ 120VAC)	
Input Current	0.06A	0.05A
Total Lumens	865 lm	851 lm
Efficacy	124 lm/W	133 lm/W
Max. Candela	256 cd	259 cd
Power Factor	0.99	0.98
LED Emitted Color	Warm White	Natural White
Color Temperature	3000K	4100K
CRI		>80
Illumination Angle		140°
Dimmability		Not Dimmable
Base Style		GX23D 2-Pin
Heatsink		Die-Cast Aluminum / White
Lens		Polycarbonate / Frosted White
Oper. Temperature	-4°F ~+104°F / -20°C ~+40°C	
Dimensions	L6.1 x W1.4 in. / L155 x 35 mm	
Weight	0.25 lb / 110g	
UL/cUL Classified	E476877 (7PL01GX23LEDYY)	E358356





Frosted Lens



LEDGX23DBB-06W-XNW-001AW

Input Power	6 Watts
Input Voltage	120~277VAC (Tested @ 120VAC)
Input Current	0.048A
Total Lumens	724 lm
Efficacy	129 lm/W
Max. Candela	218 cd
Power Factor	0.97
LED Emitted Color	Natural White
Color Temperature	4000K
Illumination Angle	120° x 120°
Dimmability	Not Dimmable
Base	GX23D 2-Pin, White PC
Housing	Die-Cast Aluminum / Silver
Lens	Polycarbonate / Frosted White
Oper. Temperature	-4°F ~ +149°F / -20°C ~ +65°C
Dimensions	L4.87 x W1.13 in. / L123.7 x 28.6 mm
Weight	0.21 lb / 100g
UL/cUL Classified	E474634 (CH-PL-6W)
Warranty	3 Years



CAUTION: Intended only for installation where the lamp is oriented horizontally, with light beaming downward.

6" Can Ceiling Lighting in Right-Angled (Horizontal) Configuration



Frosted Lens

Only 11 Watts, Replaces CFL Lamps up to 42W



2 Pin GX23D Base Pivots 180°



LEDGX23DBB-12W-XIW-001AW

Input Power	11 Watts
Input Voltage	120~277VAC (Tested @ 120VAC)
Input Current	0.09A
Total Lumens	1287 lm
Efficacy	120 lm/W
Max. Candela	394 cd
Power Factor	0.96
LED Emitted Color	Warm White
Color Temperature	3000K
CRI	>80
Illumination Angle	140°
Dimmability	Not Dimmable
Base Style	GX23D 2-Pin
Heatsink	Die-Cast Aluminum / White
Lens	Polycarbonate / Frosted White
Oper. Temperature	-4°F ~ +104°F / -20°C ~ +40°C
Dimensions	L6.1 x W1.4 in. / L155 x 35 mm
Weight	0.26 lb / 120g
UL/cUL Classified	E476877 (12PL01GX23LEDXX)



Luminaire Photometric Report

Filename: LEDG24DBB-05W-XNW-001AW

Manufacturer: LEDTRONICS

Luminaire: FROSTED LENS, 4.9W, 120VAC

Lamp Output: 1 lamp, rated Lumens/lamp: 667.8

Max Candela: 191.0 at Horizontal: 0°, Vertical: 0°

Luminous Opening: Point

Test: 5-8-17

Photometry: Type C

CIE Class: Semi-Direct

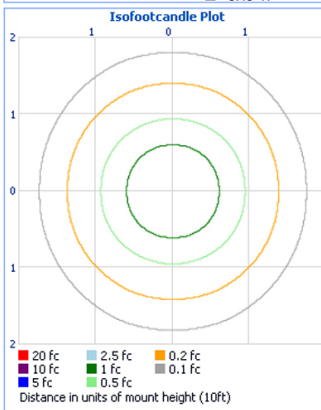
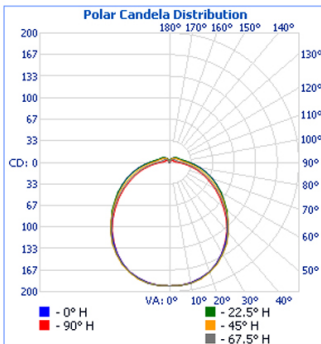
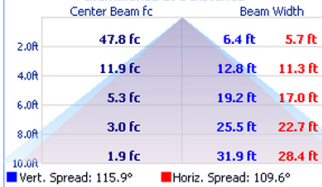
Cutoff Class: Semicutoff

Nema Type: 7 X 7

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	18.2	2.7%	90-100	21.6	3.2%
10-20	52.4	7.9%	100-110	15.3	2.3%
20-30	79.5	11.9%	110-120	11.8	1.8%
30-40	95.2	14.3%	120-130	9.1	1.4%
40-50	97.8	14.6%	130-140	6.1	0.9%
50-60	89.7	13.4%	140-150	3.7	0.6%
60-70	74.4	11.1%	150-160	1.8	0.3%
70-80	55.1	8.2%	160-170	0.5	0.1%
80-90	35.5	5.3%	170-180	0	0%

Illuminance at a Distance



Luminaire Photometric Report

Filename: LEDG24DBB-07W-XIW-001AW

Manufacturer: LEDTRONICS

Luminaire: FROSTED LENS, 7.3W, 120VAC

Lamp Output: 1 lamp(s), rated Lumens/lamp: 818.4

Max Candela: 258.2 at Horizontal: 0°, Vertical: 10°

Luminous Opening: Point

Test: 4-3-23

Photometry: Type C

CIE Class: Direct

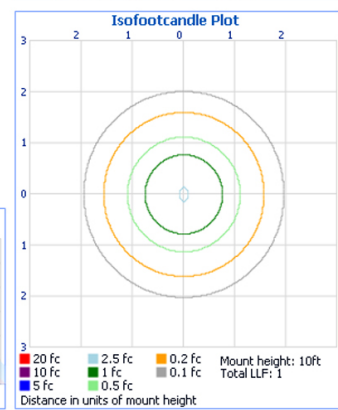
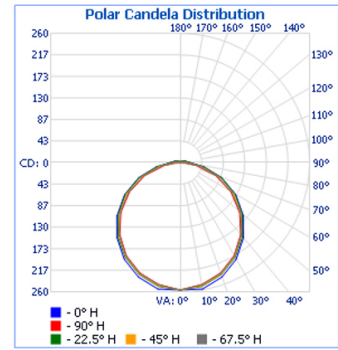
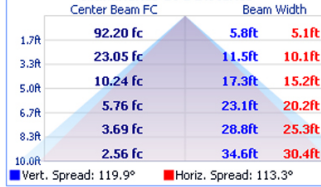
Cutoff Class: Cutoff

Nema Type: 7 X 7

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	24.2	3.0%	90-100	11.6	1.4%
10-20	69.3	8.5%	100-110	7.0	0.9%
20-30	105.7	12.9%	110-120	4.7	0.6%
30-40	128.8	15.7%	120-130	3.2	0.4%
40-50	136.1	16.6%	130-140	1.9	0.2%
50-60	126.9	15.5%	140-150	0.9	0.1%
60-70	102.2	12.5%	150-160	0.3	0%
70-80	65.7	8.0%	160-170	0	0%
80-90	30.0	3.7%	170-180	0	0%

Illuminance at a Distance



Luminaire Photometric Report

Filename: LEDG24DBB-12WH-XNW-101AW

Manufacturer: LEDTRONICS

Luminaire: FROSTED LENS, 10.5W, 120VAC

Lamp Output: 1 lamp, rated Lumens/lamp: 1349.1

Max Candela: 445.0 at Horizontal: 0°, Vertical: 0°

Luminous Opening: Point

Test: 8-22-17

Photometry: Type C

CIE Class: Semi-Direct

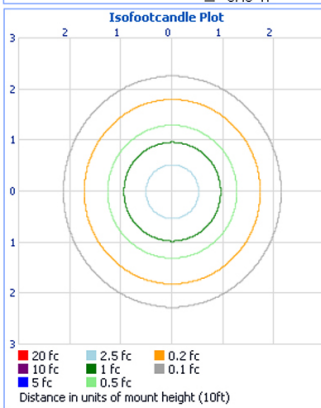
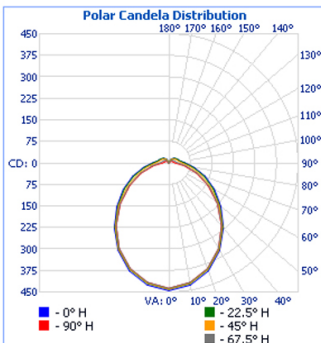
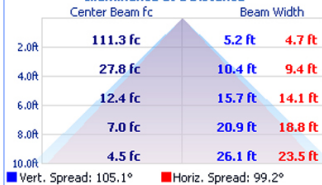
Cutoff Class: Semicutoff

Nema Type: 7 X 7

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	41.0	3.0%	90-100	40.7	3%
10-20	115.6	8.6%	100-110	31.1	2.3%
20-30	170.9	12.7%	110-120	25.3	1.9%
30-40	199.1	14.8%	120-130	19.2	1.4%
40-50	199.0	14.8%	130-140	12.9	1%
50-60	177.1	13.1%	140-150	7.3	0.5%
60-70	141.9	10.5%	150-160	3.1	0.2%
70-80	100.8	7.5%	160-170	0.7	0%
80-90	63.5	4.7%	170-180	0	0%

Illuminance at a Distance



Luminaire Photometric Report

Filename: LEDG24DBB-07W-XNW-001AW

Manufacturer: LEDTRONICS

Luminaire: FROSTED LENS, 6.9W, 120VAC

Lamp Output: 1 lamp, rated Lumens/lamp: 932.6

Max Candela: 271.0 at Horizontal: 45°, Vertical: 0°

Luminous Opening: Point

Test: 5-8-17

Photometry: Type C

CIE Class: Semi-Direct

Cutoff Class: Semicutoff

Nema Type: 7 X 7

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	25.5	2.7%	90-100	30.5	3.3%
10-20	73.4	7.9%	100-110	21.1	2.3%
20-30	111.2	11.9%	110-120	16.3	1.7%
30-40	132.7	14.2%	120-130	12.4	1.3%
40-50	136.6	14.6%	130-140	8.5	0.9%
50-60	125.3	13.4%	140-150	5.0	0.5%
60-70	104.0	11.1%	150-160	2.4	0.3%
70-80	77.2	8.3%	160-170	0.7	0.1%
80-90	49.9	5.4%	170-180	0	0%

Illuminance at a Distance

