

# High Power LED Lamps - Dolphin (DG) Series

## Dolphin Series – DG4 & DG7

BrightLite’s Dolphin Series High Power LED Lamp is a low cost, high efficient and perfect energy saving solution for new installation or replacement for existing indoor and outdoor (under shield) fluorescent lighting.

BrightLite’s patent pending Ultra-BrightLite™ High Power LED lamps provide ease in maintenance, when individual LED Lamps replacement is necessary. The parallel connection eliminated total black out when one LED lamp is malfunctions.



Model: DG4 & DG4-S  
565 x 110 x 90 mm

Model: DG7 & DG7-S  
610 x 110 x 90 mm

### Product Description

- Low Cost, High Efficiency.
- Ease in Maintenance. Replaceable individual Ultra-BrightLite™ High Power LED Lamp. All LED Lamps are in parallel connection.
- Ideal for new installation and Direct replacement to existing Fluorescent Lamp installation.
- Equivalent or higher brightness\* compare with Fluorescent Lamp T8 (18 and 36Watts).
- Motion sensor build-in, for higher energy saving.
  - Detective range 60-120 degree, human body sensing.
  - Default is ~43-50% light-on (depend on Models) and activated to 100% light-on.
  - By-Pass Switches to disable the motion sensor.
- Country of Origin – Made In Singapore

### Color available

- Warm White (3550K), DayLight White (6200K), Red, Green and Blue

### Applications

- Corridors/Walkways, Residential Housing, Staircase, Outdoor Decorative Light
- Landscape Lighting, Offices/Warehouse/Workshop

## Product Specification:

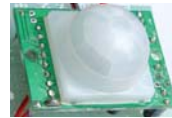
Model Name	DayLight White	
	DG4	DG7
Part Number	70DG050300	70DG050400
Description	DG4 (DayLight White LED)	DG7 (DayLight White LED)
Total LED Power	10.5Watts	18 Watts
Total System Power	13.2 Watts	22.4 Watts
AC Input	100-240 Volts; 50-60Hz	100-240 Volts; 50-60Hz
Total Lumen	Approx 700 lm	Approx 1200 lm
Size (L x W x H mm)	565 x 110 x 90mm	610 x 110 x 90 mm
CRI	75	
CCT	6200K	
Lm / Watts led	Approx 67 lm / W	
Model Name	DG4-S	DG7-S
Part Number	70DG050100	70DG050200
Motion Sensor	Non-Activated - 50% Lighted; Activated - 100% Lighted	Non-Activated - 43% Lighted; Activated - 100% Lighted
	Detection Range 60 Deg to 120 Deg	
	By-Pass Switch	

## Accessories



### Replacement for Ultra-BrightLite – Type L5

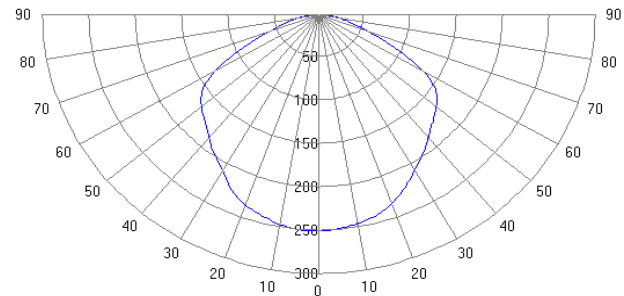
70LL050100	Ultra-BrightLite - L5 (Daylight White)
70LL050200	Ultra-BrightLite - L5 (Warm White)
70LL050300	Ultra-BrightLite - L5 (Red)
70LL050500	Ultra-BrightLite - L5 (Blue)
70LL050400	Ultra-BrightLite - L5 (Green)



Human Motion Sensor

## Polar Plot

Polar Candela Distribution Plot  
Using Missed Rays



\*Measured perpendicular directly under the lamp at height of 2.6 meters.

PI-DGS-R1

Note: All Fluorescent tubes in the photos are just for illustration purpose. Actual products will be installed with BrightLite LED lamps.