

# 2" Diffused Luminaire

SPECIALIZED APPLICATION

## Maximum brightness, unrivaled efficiency.

LIGHTZERO manufactures the finest **direct-lit** fixture available.

With efficiency as only LIGHTZERO can provide. Up to 54,000 lumens from a 2'x4' fixture\*. High Bay performance in a sleek no-glare diffused luminaire.

**Generates outrageous lumens while staying cool- no heat sinks, no added weight, no extra heat in the space requiring extra HVAC load.**

Perfect for sensitive environments requiring high lumen output. Endless options for architects, designers, engineers, and contractors requiring solutions unavailable elsewhere.

Offering illumination performance unavailable from other manufacturers: **180 Lumens per watt, CRI 97, 100,000 hour life (L70).**

Available in:

- 3,000K
- 3,500K
- 4,200K
- 5,000K
- **Tunable-White (3,000K - 6,000K)**  
(Tunable range can be specified - contact Factory)

Offered in 2' X 2', 2' X 4', 1' X 2' and 1' X 4' sizes.

Connects to our **Digital Light Modules** using Cat-5 cable or hard wire, providing the simplest, most cost-effective installation available.

- Thin profile - less than 2"
- Standard recessed T-Bar fit for common ceiling grids
- Class 2 Power, no conduit needed
- Suspension kit available
- Surface mount kit available
- Flange option available



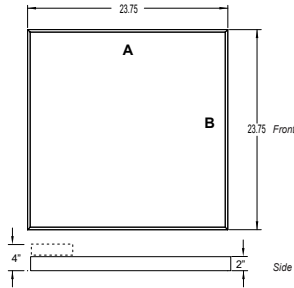
**ETL Listed. RoHS compliant. 99% recyclable, no IR or UV radiation. EM/RF interference free. Non-ferrous construction, MIL-STD-461F compliant.**

(888) 890-0094 • [www.lightzero.com](http://www.lightzero.com)

HIGH OUTPUT - DIRECT DC

# 2" Diffused Luminaire

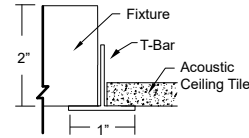
## DIMENSIONS



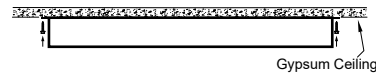
	FLANGE CEILING OPENING			
	A	B	A*	B*
<b>6 x 48</b>	5.75	47.75	7.25	49.25
<b>1 x 2</b>	11.75	23.75	13.25	25.25
<b>1 x 4</b>	11.75	47.75	13.25	49.25
<b>2 x 2</b>	23.75	23.75	25.25	25.25
<b>2 x 4</b>	23.75	47.75	25.25	49.25

All measurements shown in inches  
\* With Flange

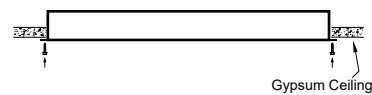
### 00 - GRID LAY IN



### 01 - INTEGRAL FLANGE-SURFACE MOUNT



### 02 - INTEGRAL FLANGE-FLUSH MOUNT



## Part Numbers:

Example

DL-TW-024-024

DL- \_\_\_\_\_ TW- \_\_\_\_\_ 024- 024  
Product Color Temperature Size Size

## Size:

012-024 = 1' x 2'

012-048 = 1' x 4'

024-024 = 2' x 2'

024-048 = 2' x 4'

Contact Factory for more sizes.

\*Contact Factory for more than 1 LED per square inch/higher lumen capacity..

## Color Temperatures:

3 = 3,000K

4 = 3,500K

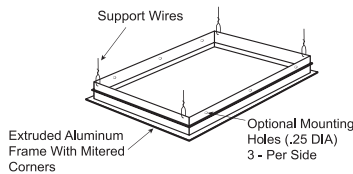
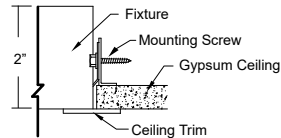
5 = 4,200K

6 = 5,000K

TW = Tunable-White (3000K - 6000K)

\*When specified with 4 LEDs

## MOUNTING ACCESSORY - HARD LID GRID ADAPTER KIT (SOLD SEPARATELY)



### Ordering Information:

2x2 = Grid Adapter kit-2x2  
2x4 = Grid Adapter kit-2x4

## LED LIGHT COLOR:



Warm White



Neutral White



Cool White

## FEATURES:

- No UV or IR radiation, No EM/RF interference
- Easy to install - Fixtures can be daisy-chained
- Maintenance free. No LED driver failures to replace
- Suitable for indoor/outdoor temperatures from -4 to +122 degrees F (-20 to +50 C)
- Solid-state construction shock and vibration resistant
- LEDs are super bright, high intensity and low power consumption
- Extremely long life: up to 100,000 hours (L70)
- IC Rating not applicable due to 48VDC inherently safe per NEC
- Recyclable at end of life

## CERTIFICATIONS:



SPECIFICATIONS	
LED Driver Input Voltage	48VDC
Dimming	0 - 100%
Power Consumption	46.08 Watts (1 LED)
Luminous Flux	6912 Lumens (Will vary based on number of LEDs)
Beam Angle	120 Degrees
Housing Color	White Powder Coat
Fixture Material	Aluminum Housing
Weight	6.0 lbs
Expected Lifespan	100,000 hours (L70)
Warranty	10 years
Standards/Certifications	Made in USA, ETL Listed, RoHS, CE

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**LIGHTZERO**  
DC POWERED LIGHTING