

# Led Human Centric Troffer Retrofit Kit 2X4



## PRODUCT DESCRIPTION

ABOVE ALL Human Centric LED Light Troffer is specially designed to create comfortable, healthy, and natural light for people. Ideal for nursing home residences, officeworkers, retail shoppers, patients in hospitals, children and adults in schools and any people in pursuit of a high quality healthy natural lighting environment.

ABOVE ALL Human Centric LED Light Troffer can be easily installed in standard T-bar and drop ceiling or to replace the fluorescent troffer. What's more, it can be controlled by a remote controller, smart-phone or tablet with the available APP which brings the smart lighting in reality.

ABOVE ALL Human Centric LED Light Troffer is 1-10V dimming and color temperature tunable from 2700K to 6500K with many programmable preset scenes, such as "Reading Light", "Work Light", "Night Light", "Sunrise/Sunset" and "Custom Scene". Besides, the Human Centric LED Light Troffer has a special "Dynamic Light" function. As time moves forward throughout each day the color temperature changes as well.

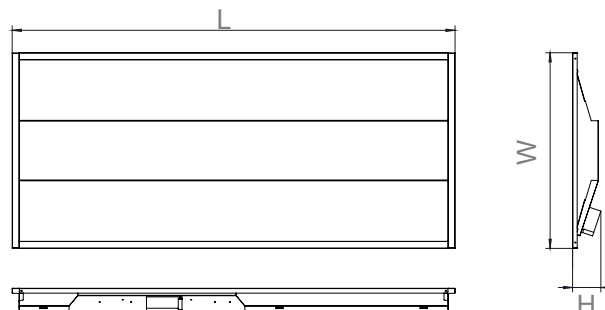
## ELECTRICAL SYSTEM

- Input Voltage: 120-277V
- 50/60Hz
- Minimum Ambient -20°C, maximum 40°C
- Power Factor: > 0.98 at 120Vac
- Total Harmonic Distortion: < 20% at full load

## SPECIFICATION

### 2X4

- Length: 46.62"
- Width: 20.59"
- Height: 2.97"
- Max. Weight: 21 lbs



## PERFORMANCE

CRI

80

CCT

2700K-6500K

Dimming

2.4G RF Dimmable

Projected Lifetime

L70 - 106,000 Hours

Working Temperature

-4-104°F (-20-40°C)

Certifications

- cETLus conforms to UL Std. 1598 Cert. to CSA Std. C22.2 No.250.0
- DLC Premium qualified.
- Suitable for dry or damp locations
- RoHS compliant

## Ordering Information

### Example: TRK24D32ACT

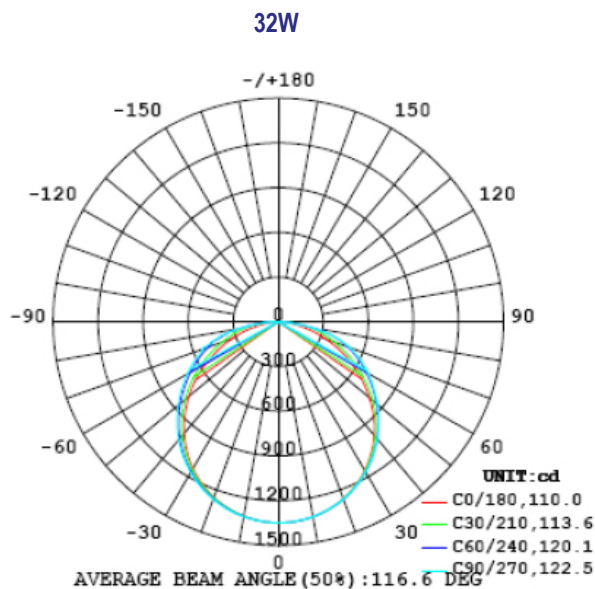
Troffer Retrofit Kit	Dimension	Dimmable	Watts	All Color Temperatures
TRK	24- 2'x4'	D - 2.4G RF Dimmable	32 - 32 Watts	ACT - 2700K - 6500K <sup>1</sup>

Notice:

1. CCT default setting is 5000K and DLC Premium available.
2. Standard finish color is white.
3. Special Order for other finish color - Ask Customer Service for Details.

## PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.



## PERFORMANCE DATA

### LUMEN OUTPUT

Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

Watts	Lumen Output	AC Input 120V	Measured Watts	CRI	CCT	LPW
32W	4078	0.29A	32W	>80	5000K	<b>128</b>

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperature from -4-104°F (-20-40°C)

Ambient		Multiplier
Celsius	Fahrenheit	
0	32	1.02
10	50	1.01
20	68	1.00
25	77	1.00
30	86	1.00
40	104	0.99

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the LED troffer retrofit kit in a 77°F ambient, (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

Operating Hours	0	12,000	18,000	30,000	<b>106,000</b>
Lumen Maintenance Factor	1.0	0.98(L98)	0.96(L96)	0.92(L92)	<b>0.70(L70)</b>

## CONTROL OPTIONS

- Color Temperature(2700~6500K) tunable
- 2.4G RF Dimming technology and fade-in dimming
- Programmable preset CCT and scenes
- Remote Controller and Wi-Fi controller available<sup>1</sup>
- Dynamic natural color temperature curve

### Notice:

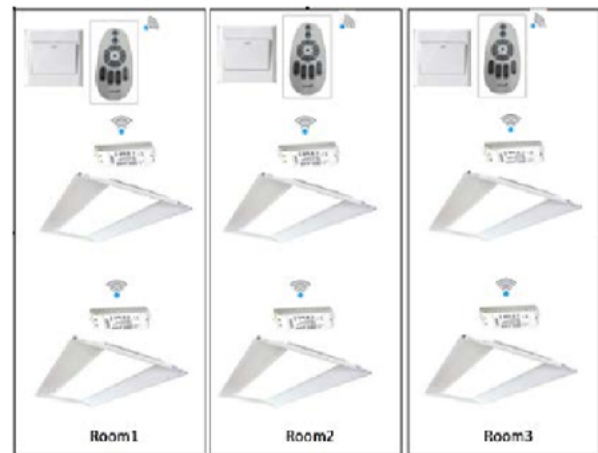
1. Maximum communication distance for the Wi-Fi Controller is 49ft (15m line of sight ).



## APPLICATION

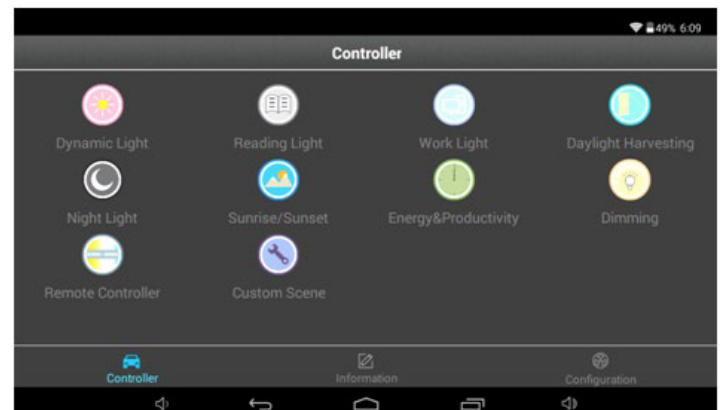
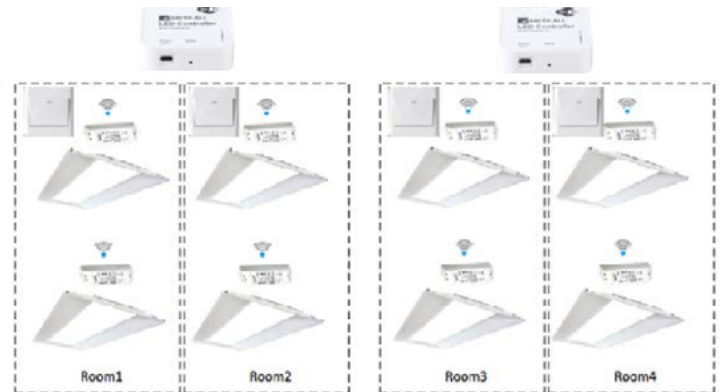
### Remote Controller Control System

- ON/OFF with wall switch or remote controller
- Dimming and CCT tuning by remote controller



### Wi-Fi + Tablet Control System

1. ON/OFF by wall switch or tablet
2. Dimming and CCT tuning by smart phone or tablet
3. Dynamic CCT tuning and scene control by smart phone or tablet.



## Warranty

Five year limited warranty. Full warranty terms located at [www.abovealllighting.com/warrantystatements](http://www.abovealllighting.com/warrantystatements)

## Note

Specifications subject to change without notice.