LC24

Fundamentals 2′ x 4′ Recessed LED with Intellect Technology

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	Nominal Delivered Lumens *	System Wattage **
L1	5100lm @ 4000K / 80 CRI	41 Watts

* Delivered lumen output will vary depending on CCT selection.

** System Wattage include driver and LED Module consumption.

fundamentals™

FEATURES

- Exceptional efficacy over 120 lumens per watt
- Soft, uniform illumination without pixilation
- High quality, durable construction
- Modern look and high quality architectural finish
- Easy installation and maintenance with easy access to LED's
- Designed to last a minimum 50,000 hours at L85
- 80 CRI in 3500K; consult factory for additional CCT / CRI values and lead times
- DLC Listed

ELECTRICAL

- Universal 120-277V 50/60Hz
- Dimming to 10%
- Power Factor >0.9

HOUSING

- Cold rolled steel
- High reflectance white powder coat

OPTICAL SYSTEM

High reflectance white powder coat reflector and high transmission diffuser lens provides soft, uniform indirect and direct light for even distribution. High transmission diffuser reduces glare and provides even illumination without pixilation. Diffuser is easily removed for access to the LEDs.

MOUNTING

Easily installs from below into a 2′ x 4′ T-bar ceiling with integrated T-Bar clips.

INTELLIGENT FIXTURE CONTROL SYSTEM

- Intellect embedded LC24
 - Intellect-embedded fixtures integrate wireless dimming, occupancy/vacancy sensing, multi-zone daylight harvesting, manual control, and scene control.
 - Enables wireless communication via a robust mesh network
 - Factory equipped by the fixture manufacturer
 - Out of box operation includes basic dimming, occupancy sensing, and daylight harvesting
- Intellect™ Keypad Room Controller
 Coordinates all intellect devices in the space and provides dimming, switching, and scene control
- Intellect™ Power Control Module
- Intellect™ Sensor Control Module
- Leviton Bluetooth-enabled Intellect App
 - The only setup tool needed—configures the system and Keypad Room Controller
 - Wirelessly communicates with the Keypad Room Controller via Bluetooth technology
- Listed on the DesignLights Consortium (DLC) Qualified Product List (QPL) for Networked Lighting Control systems
- Only hot and neutral power required at all devices, no need for control wires
- 12′ Ceiling Height Maximum
- Keypad Room Controller must be specified separately
- Visit Leviton.com for more information
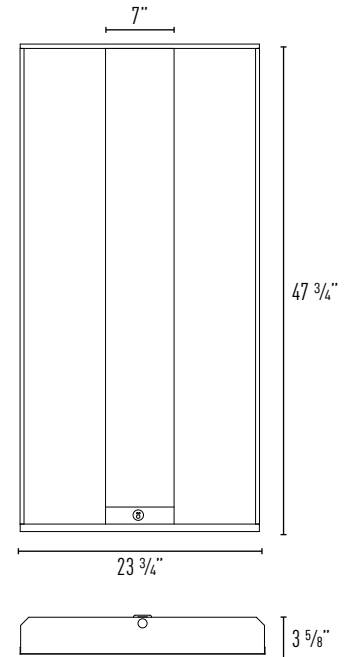
EMERGENCY BACKUP

Integral test switch included. External battery operates LED load of up to 7W at a minimum of 870 lumens for 90 minutes. Servicing requires access above ceiling.

LISTING / WARRANTY

- ETL Listed to US and Canadian standards for damp locations
- 5-Year Intense LED Limited Warranty
- DLC Listed

7″

47 ¾″

23 ¾″

3 ⅝″

Sensor Control Module

1 ¼″

Part Number (Example: LC24L1835W-IE)

Luminaire	Wattage	CCT / CRI¹	Finish	Controls	Option	
LC24	**L1** (41 Watts)	**835** (3500K / 80 CRI)	**W** (White)	**-IE** (Intellect embedded occupancy and photocell dimming with wireless communication)	**EM7T**	(7W Emergency Unit w/Integral Test Switch IOTA part #ILB-CP07)

Accessories

ZLDNK-01W	(Decora 1-Button multi-function BLE keypad with room controller, 120-277VAC, 50/60Hz, White
ZLDNK-02W	(Decora 2-Button multi-function BLE keypad with room controller, 120-277VAC, 50/60Hz, White
ZLDNK-04W	(Decora 4-Button multi-function BLE keypad with room controller, 120-277VAC, 50/60Hz, White
ZLDNK-08W	(Decora 8-Button multi-function BLE keypad with room controller, 120-277VAC, 50/60Hz, White

Notes:
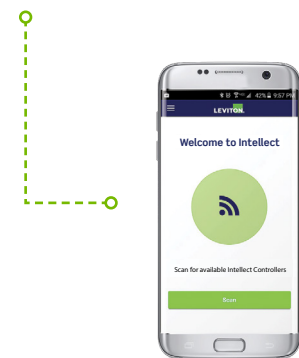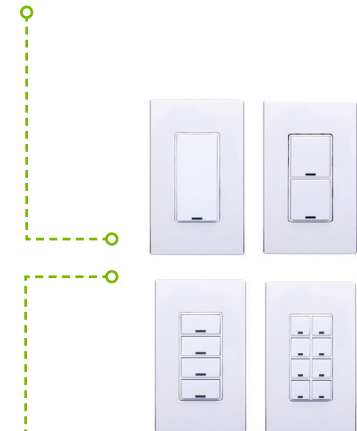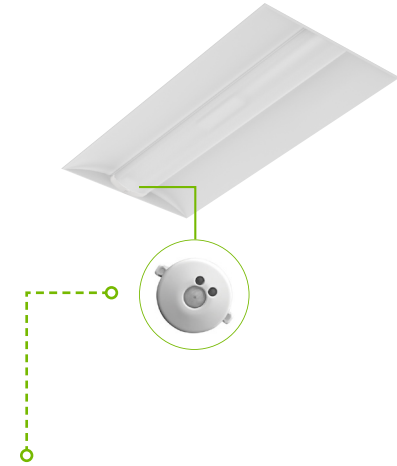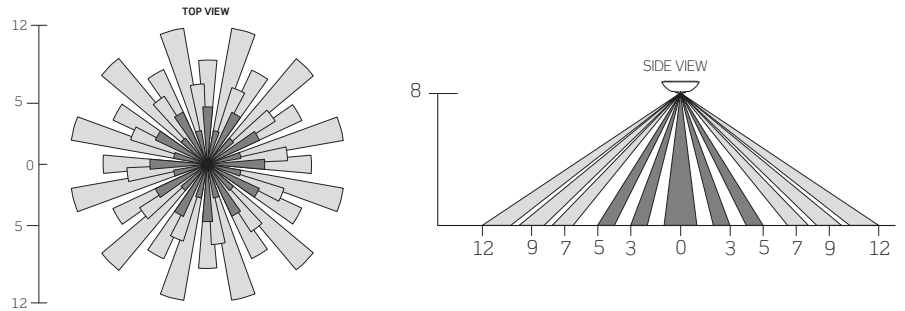1. 2700K & 3000K are available by special order, consult factory

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2' x 4' LED Recessed

Intellect Embedded Light Fixture

Sensor Head Field-of-View

■ Minor Motion
□ Major Motion

TOP VIEW

SIDE VIEW

Wireless Mesh Network

Bluetooth

Keypad Room Controller

2 ¾"
4 ⅝"
1 ¾"
1 ½"
4 ½"
2 ½"
0.12"
1 ½"
0.09"
0.08"
0.29"
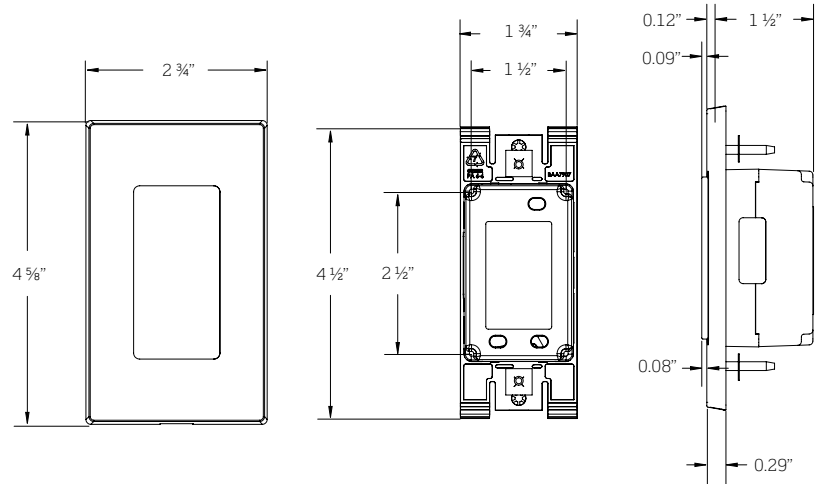
Leviton Intellect App

Download Leviton Intellect App at www.leviton.com/apps

Configure, monitor and control the system via Android or IOS smart device for ladderless Commissioning™. The Intellect App simplifies configuring occupancy sensors and daylight harvesting zones to creating scenes and programming keypads

- Configuration
- Control
- Status Monitoring
- Room ON/OFF
- Group ON/OFF

- Scenes
- Any Fixture at Any Level
- Fade Times
- Preset Groups
- Toggle

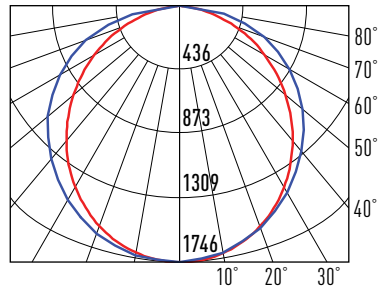For the latest technical specifications, visit www.leviton.com/intellect

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2' x 4' LED Recessed

JOB NAME		**CATALOG NUMBER**	
NOTES		**TYPE**	

LC24L1840

Report #: 20180821-04

Luminaire Watts: 41.2W

Luminaire Lumens: 5191lm

Lumens Per Watt: 126

Color Temperature: 4000K

Emergency Multiplier:
7W Emergency   (x 0.17)

Polar Curve

Zonal Lumen Summary

Zone	Lumens	% of Fixture
0-30°	1339	26%
0-40°	2190	42%
0-60°	3753	72%
0-90°	5190	100%

Candelapower Summary

Degree	0º	90º
0°	1736	1736
5°	1730	1735
15°	1658	1657
25°	1535	1515
35°	1370	1320
45°	1185	1090
55°	973	836
65°	734	571
75°	472	328
85°	141	78
90°	30	30

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