

PacLights

Commercial & Industrial Lighting



The  
**FTFS**<sup>TM</sup>  
Series

Center Basket Troffer





## Center Basket Troffer



PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_

TYPE: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_



## KEY FEATURES

- Control Ready with InstaControl™ Slot
- Color & Power Selectable on all models
- Motion, Daylight and Network controls options
- Emergency Battery Backup options
- Multiple mounting options

## TECHNICAL SPECIFICATIONS

## COMPLIANCE

## UL Listed

UL 1598 Suitable for damp locations

## IESNA LM79 &amp; LM-80 Testing

PacLights LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

## DLC Qualification

Selected models of this product are on the Design Lights Consortium (DLC) Qualified Products List and are eligible for rebates from DLC Member Utilities. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/qpl](http://www.designlights.org/qpl)

## LED CHARACTERISTICS

## LEDs

Long-life, high-ecacy, surface-mount LEDs

## Correlated Color Temperature

3000K, 3500K, 4000K, 5000K and 6500K selectable with a dip switch

## Lifespan

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

## Color Rendering Index

>82

## Color Uniformity

PacLights' range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

## OTHER

## 5-Year Limited Warranty\*\*

The PacLights 5-year, limited warranty covers light output, driver performance and paint finish.

\*\*PacLights's warranty is subject to all terms and conditions found at [paclights.com/warranty](http://paclights.com/warranty)

## CONSTRUCTION

## Ambient Temperature

Suitable for up to 50° C (122° F) ambient temperature

## Cold Weather Starting

The minimum starting temperature is -4 F°/-20° C

## Housing

Durable cold rolled steel housing provides strength and uniformity. Luminaire is pre-painted to enhanced smooth finish.

## Mounting Methods

- T-grid lay-in (standard)
- Surface mount (optional)
- Drywall recessed flange (optional)

## Green Technology

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

## Lens

Frosted

## ELECTRICAL

## Drivers

Input Voltage: 120-277V, 50-60 Hz  
Power Factor : > 0.95, THD< 20%  
0-10V continuous dimming, can be dim to off

## InstaControl™ Slot

The fixture features a covered slot with a hidden connector underneath, allowing seamless connection to a compatible lighting control. This enables instant addition of motion, daylight, or network control to the fixture without the need for rewiring.

## Wattage / Input Voltage/ Input Current

Wattage/power selectable with a dip switch

Models	MAX Watt.	Watt. Selectable Levels	120v	208v	240v	277v
FTFS/3-22D	28w	28w-20w-17w-14w	0.26A	0.15A	0.13A	0.11A
FTFS/3-14D	28w	28w-20w-17w-14w	0.26A	0.15A	0.13A	0.11A
FTFS/3-24D	41w	41w-34w-28w-20w	0.38A	0.22A	0.19A	0.16A

## ORDERING INFORMATION

## FTFS™ generation 3

FAMILY	MODEL	WATTAGE	CCT	CONTROL	EMERGENCY BACKUP	MOUNTS
FTFS/3	—					

Create an ordering number by populating it with the CODE(s) listed in the tables below, following the format shown above.

**EXAMPLE:** FTFS/3 - 24D - 41/34/28/20 - 8CT

**EXAMPLE:** FTFS/3 - 22D - 20 - 3000 - MCP - EM500

**EXAMPLE:** FTFS/3 - 24D - 41 - 8CT - EM1000 - SM

The PART#, if shown in the tables below, can be ordered separately from the FTFS.

## MODEL

\* Must select one

CODE	SIZE
22D	2 x 2 ft
14D	1 x 4 ft
24D	2 x 4 ft

## WATTAGE

\* Must select one

## MODEL - 22D or 14D

CODE	WATTAGE
14	14w
17	17w
20	20w
28	28w
28/20/17/14	28/20/17/14w Selectable

## MODEL - 24D

CODE	WATTAGE
20	20w
28	28w
34	34w
41	41w
41/34/28/20	41/34/28/20w Selectable

## CCT

\* Must select one

CODE	CRI	CCT
8CT	> 82	3000K/3500K/4000K/5000K/6500K Selectable
3000		3000K
3500		3500K
4000		4000K
5000		5000K
6500		6500K

## CONTROL

\* Leave blank, or select one

CODE	PART#	TYPE	SENSOR	MOUNT	INSTALL
MCP	SE-KE-IFS06R	Standalone	PIR & Daylight	InstaControl™ Slot	FIELD
WBP	KEILTON-IFS108	Bluetooth Mesh Networked			

## EMERGENCY BATTERY BACKUP

\* Leave blank, or select one

CODE	PART#	WATT	EMERGENCY LUMEN	CA CEC TITLE 20 MODEL#	EMERGENCY RUNTIME	INSTALL
EM500	EMB-4	4w	500 Lumen	BLD-FM04E-600400	> 90 mins	FACTORY
EM1000	EMB-8	8w	1,000 Lumen	BLD-CM20N-480800-8W		

## MOUNTS

\* Leave blank for t-grid lay-in (standard), or select one

CODE	PART#	TYPE	INSTALL	CODE	PART#	TYPE	INSTALL
SM	AC-SM22	Surface Mount for FTFS/3-22D	FIELD	DG	AC-PAN-DG22	Drywall Flange for FTFS/3-22D	FIELD
	AC-SM24	Surface Mount for FTFS/3-24D			AC-PAN-DG24	Drywall Flange for FTFS/3-24D	
	AC-SM14	Surface Mount for FTFS/3-14D			AC-PAN-DG14	Drywall Flange for FTFS/3-14D	

## ACCESSORIES

\* Order as separate part number

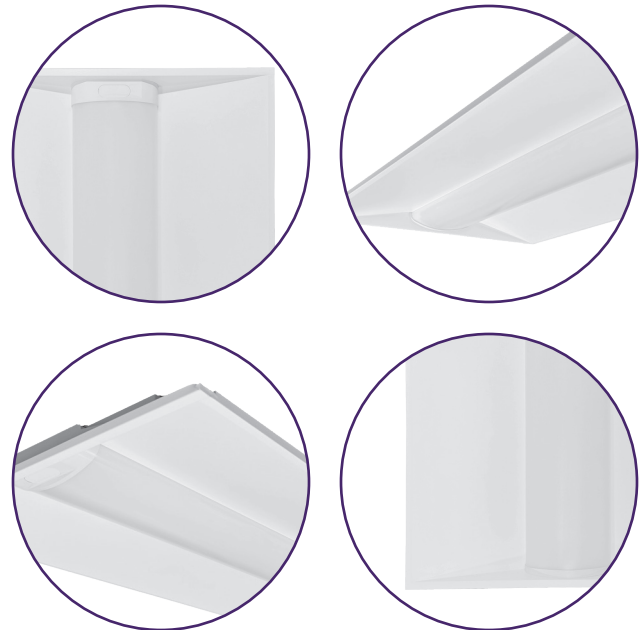
PART#	TYPE	COMPATIBILITY
SE-KE-RM51	Sensor commissioning remote/device (to revise factory settings of the sensor)	Models with CONTROL option CODE "MCP"

## PERFORMANCE

Models	Lumen Package	Wattage Setting	CCT Setting	Lumen Output
2x2 Delivered Lumens, 82 CRI	2,100	14w	3000K	2,072
			3500K	2,086
			4000K	2,100
			5000K	2,128
			6500K	2,170
	2,600	17w	3000K	2,516
			3500K	2,533
			4000K	2,550
			5000K	2,584
			6500K	2,635
	3,000	20w	3000K	2,960
			3500K	2,980
			4000K	3,000
			5000K	3,040
			6500K	3,100
	4,200	28w	3000K	4,144
			3500K	4,172
			4000K	4,200
			5000K	4,256
			6500K	4,340

Models	Lumen Package	Wattage Setting	CCT Setting	Lumen Output
2x4 Delivered Lumens, 82 CRI	3,000	20w	3000K	2,960
			3500K	2,980
			4000K	3,000
			5000K	3,040
			6500K	3,100
	4,200	28w	3000K	4,144
			3500K	4,172
			4000K	4,200
			5000K	4,256
			6500K	4,340
	5,100	34w	3000K	5,032
			3500K	5,066
			4000K	5,100
			5000K	5,168
			6500K	5,270
	6,200	41w	3000K	6,068
			3500K	6,109
			4000K	6,150
			5000K	6,232
			6500K	6,355

Models	Lumen Package	Wattage Setting	CCT Setting	Lumen Output
1x4 Delivered Lumens, 82 CRI	2,100	14w	3000K	2,072
			3500K	2,086
			4000K	2,100
			5000K	2,128
			6500K	2,170
	2,600	17w	3000K	2,516
			3500K	2,533
			4000K	2,550
			5000K	2,584
			6500K	2,635
	3,000	20w	3000K	2,960
			3500K	2,980
			4000K	3,000
			5000K	3,040
			6500K	3,100
	4,200	28w	3000K	4,144
			3500K	4,172
			4000K	4,200
			5000K	4,256
			6500K	4,340



## DLC CHART

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MODEL#	CLASS	DLC PRODUCT ID	PRIMARY USE
	Premium		2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
	Premium		1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
	Premium		2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces



## STANDARD FEATURES

### FIELD SELECTABLE COLOR (CCT) AND POWER



OUTPUT & CCT  
FIELD  
ADJUSTABLE

Select the desired output power or light color temperature by sliding the respective Power or CCT Selection Switch left or right to the desired value. CCT can be adjusted to 3000/3500/4000/5000/6500K, and for each model Wattage/Lumen can be adjusted to the 4 different levels shown on the performance chart.

### INSTACONTROL™ SLOT

#### InstaControl™ Slot

The fixture features a covered slot with a hidden connector underneath, allowing seamless connection to a compatible lighting control. This enables instant addition of motion, daylight, or network control to the fixture without the need for rewiring.



## CONTROL Options

### OCCUPANCY & DAYLIGHT CONTROL (-MCP)



MOTION CONTROL  
OPTION

PIR occupancy control sensor is equipped with a 3-step dimming function that is ideal for areas where gradual changes in lighting are preferred before a complete shutdown. Additionally, if the daylight sensor feature is activated, it can turn off the light based on predetermined levels of ambient light.

Optional daylight harvesting function further reduces the use of electric lighting in building interiors when natural daylight is available. This function adjusts the artificial lighting levels based on the amount of natural light entering the space, enhancing energy efficiency and providing a more sustainable lighting solution.

The settings for these functions can be fine-tuned with an optional wireless commissioning device.



- Plug and Play
- PIR motion
- Daylight threshold
- 3-step dimming
- Daylight harvesting
- Wireless configurable



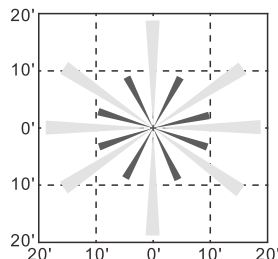
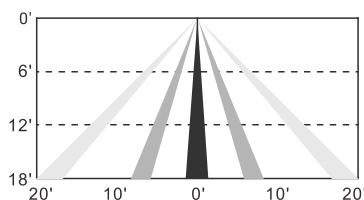
wireless commissioning device  
(sold separately)

PART#: SE-KE-RM51

#### -MCP Controls Specification \*default setting

Sensitivity	50%/100%*
Hold Time (before dim)	30s/5min*/15min/30min
Daylight Threshold	1 fc (low)/50 fc (high), or Disable*
Stand-by Time(before turn off)	10s/5min/15min/30min/60min*, or Never
Stand-by Dimming Level	0%/10%/30%/50%
Detection Height	up to 18ft
Detection Radius	up to 40ft

\* FIELD INSTALLED



### NETWORKED LIGHTING CONTROLS (OPTION: -WBP)



NLC  
NETWORKED  
CONTROL OPTION

Network Lighting Controls (NLC) offer Luminaire Level Lighting Control (LLLC) based on Bluetooth-enabled Mesh Networking of Luminaires. Individual addressability enables luminaires to be communicated with each other within the zone/network. Luminaires can be grouped, trim and controlled by using the smart device app or connected wall switches. Scheduling, scene and sensors can be added for automation among the lights within the zone/group.

- (-WBP) Wireless bluetooth networked control with PIR occupancy and daylight harvesting sensor

\* FIELD INSTALLED



- Plug and Play
- App configurable
- Group fixtures
- Scheduling / Scene
- Microwave motion sensor option
- Shared sensors within the group
- Daylight functions
- Access control



FREE iOS/Android APP will be used to commissioning or customize settings of networked controls.

## EMERGENCY BACKUP Option

### EMERGENCY BATTERY BACKUP (OPTION: -EM500, -EM1000)



EMERGENCY  
BACKUP  
OPTION

When there is a power outage, the optional emergency backup driver and battery will power the FTFS to an reduced brightness for at least 90 mins.

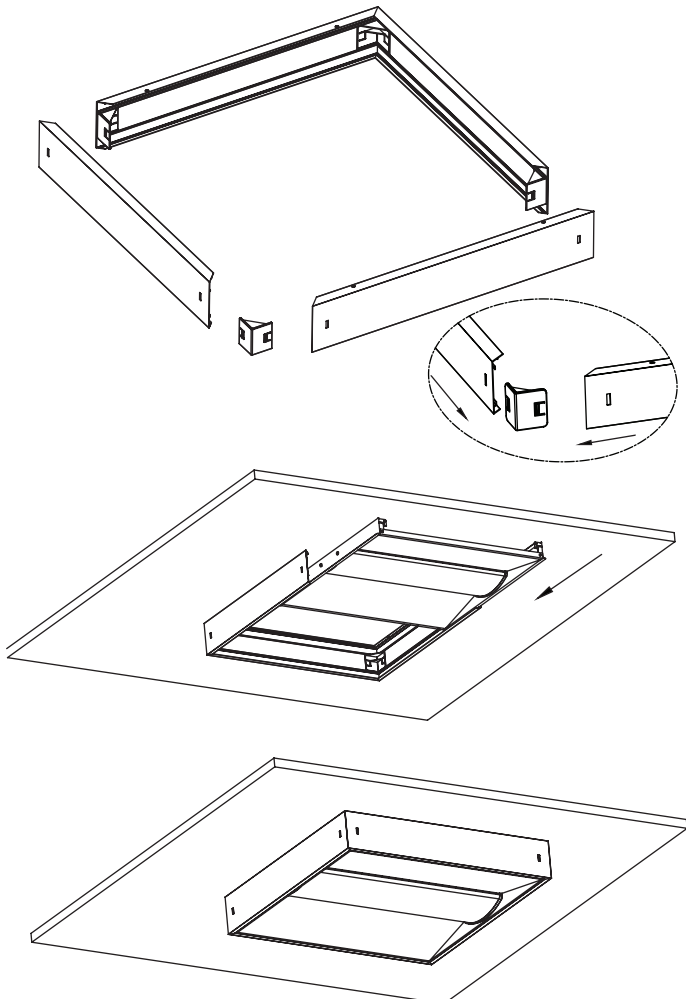
\* FACTORY INSTALLED

## MOUNTS Option

### SURFACE MOUNT (-SM)

A mounting accessory designed to allow FTFS to be installed as a surface-mounted fixture instead of being recessed into a ceiling. It enables standard recessed troffers to be mounted directly onto a ceiling, making them suitable for locations without a drop ceiling or plenum space. The kit creates a 4-inch clearance from the ceiling when installed.

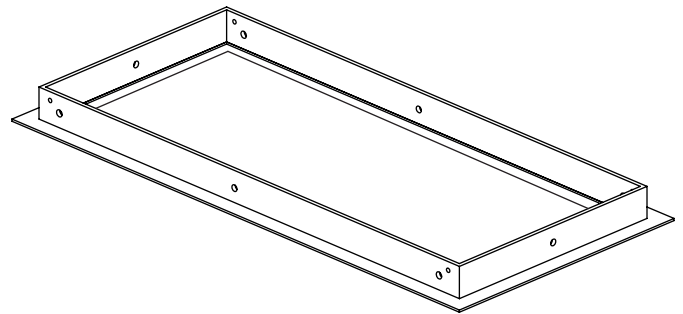
\* FIELD INSTALLED



### DRYWALL FLANGE (-DG)

A mounting accessory designed to allow FTFS to be installed in a drywall ceiling where traditional T-grid suspension systems are not present. It allows standard grid-style troffers to be recessed into a hard ceiling (such as drywall or plasterboard) instead of a suspended ceiling. It helps properly mount and support the troffer within a drywall ceiling to ensure stability and compliance with building codes.

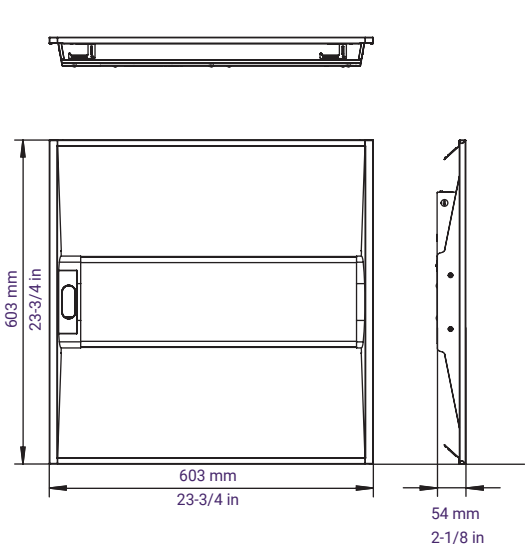
\* FIELD INSTALLED



DIMENSIONS

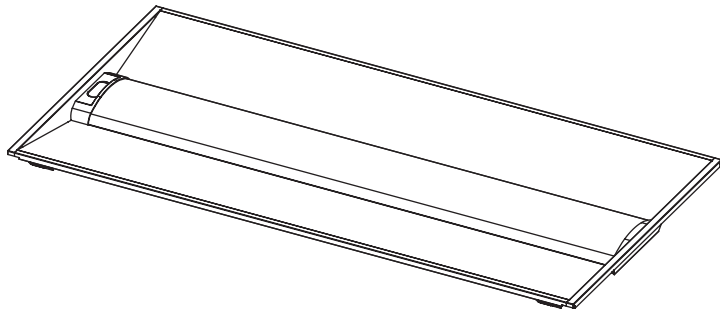
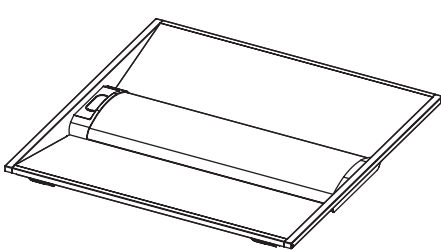
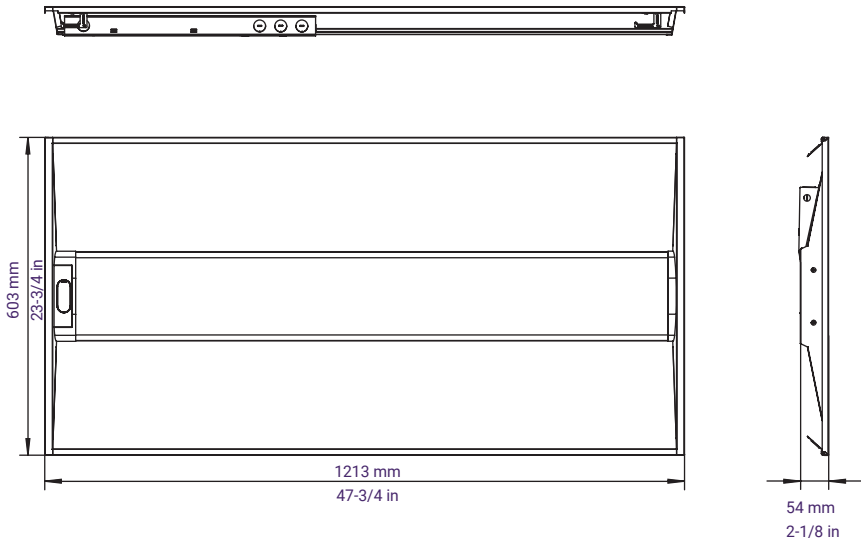
FTFS/3 - 22D (2 X 2)

Weight 7 lbs



FTFS/3 - 24D (2 X 4)

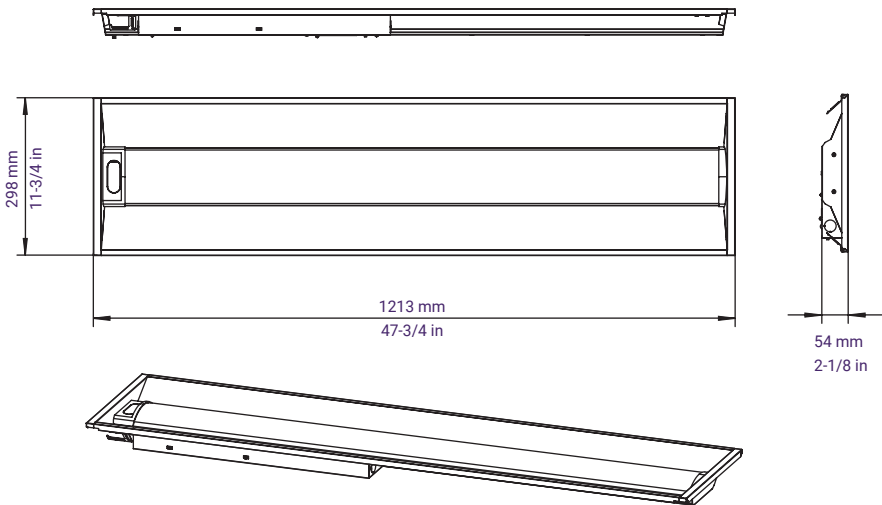
Weight 12 lbs



83 mm  
3-1/4 in

FTFS/3 - 14D (1 X 4)

Weight 8 lbs



FINISHES	
all models	White

PACKAGE	Qty/Case
FTFS/3-22D	2 pcs
FTFS/3-14D	2 pcs
FTFS/3-24D	2 pcs



# NETWORKED CONTROLS MADE EASY

**Keilton+autani Networked Controls**, a DLC® Qualified Networked Lighting Controls Product, make it easy for facilities to save energy, improve occupancy comfort and achieve code compliance by adding Luminaire Level Lighting Controls (LLLC) to indoor and outdoor applications. It allows for easy field installation of sensors and network nodes with selected PacLights controls ready fixtures. Using the Keilton app, nodes can be commissioned without the need for a gateway or internet access.

**Keilton**  
+ autani



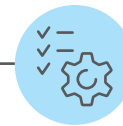
**A Cost-Effective Decentralized Architecture**

**Direct Mobile Device Provisioning**

**Best-In-Class Scale, Performance & Reliability**



INSTALL



COMMISSION



CONTROL



LEARN MORE, VISIT  
[www.paclights.com/NLC](http://www.paclights.com/NLC)



## FEATURES

- Luminaire Level Lighting Control (LLLC)
- Bluetooth-enabled Mesh Networking of Luminaires and Devices
- Individual Addressability, address individual or multiple luminaires
- High-end and Low-end Trim
- Zoning & Grouping
  - ◊ Add and control up to 100 devices per zone
  - ◊ Add unlimited zones to scale for bigger installation
  - ◊ Create unlimited groups (combination of sensor or network nodes) within a zone
  - ◊ Link and control the whole group or zone
- Scene control
  - ◊ Create and link scenes to individual lights or groups within a zone
  - ◊ Select scene with App or wall switch
- Time Scheduling for individual lights, groups or scenes
- Sensors integrated with BLE, occupancy and daylight sensing
- Multi-level Dimming, Daylight Harvesting and Occupancy controls
- Manual/Automatic ON/OFF and Automatic partial ON/OFF control capability
- Control with wireless wall switch or smart device
- Secure commissioning with Keilton App
- Up to 100 ft node-to-node and 50 ft node-to-device
- Demand Response option (works with OpenADR gateways)
- Controlled 120v 20A Receptacle available
- Other control features to meet code compliance



Keilton+autani and its logo is a trademark of Litetrace; **PacLights** and its logo is a trademark of PacLights, LLC  
DLC and its logo is a trademark of DesignLights Consortium.  
Keilton is the qualified system name listed on the DLC Networked Lighting Controls QPL.





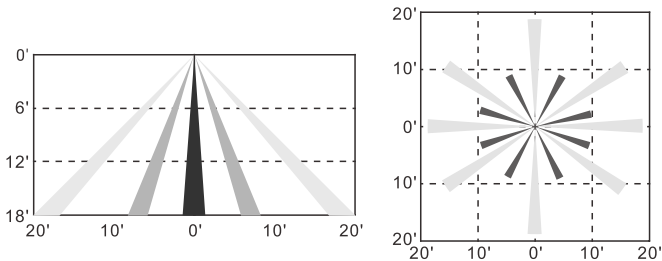


## NETWORKED CONTROLS for FTFS series

**PacLights**

### NETWORKED NODES WITH SENSOR

PART#	DESCRIPTION	FUNCTION	CONTROL ORDER CODE
KEILTON-IFS108	 <p>KEILTON IFS108 DC BLUETOOTH MESH NODE W/ PIR DLH SENSOR</p> 	<p>Enable network controlled - on &amp; off, dim, trim, zone, group, scene &amp; schedule, etc.</p> <p>And, PIR occupancy &amp; daylight (harvesting) sensing.</p>	<b>-WBP</b>



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