



Client:	
Order #:	
Project:	
Type:	

**DESCRIPTION**

The NWRCH luminaire is a versatile LED channel fixture that combines premium performance with robust construction. With next-generation efficiency, delivering up to 138 lumens per watt, and versatile applications, it is suitable for various interior lighting needs. This luminaire series serves as an ideal illumination solution for commercial, industrial, institutional, and retail spaces. Specifically designed for lighting storage/utility areas, coves, display cases, shops, task areas, and general spaces, it seamlessly integrates with a networked lighting control (NLC) system for enhanced functionality.

**FEATURES**

- UL Listed  
UL 1598 Suitable for damp locations
- IESNA LM79 & 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.
- LEDs  
Long-life, high-ecacy, surface-mount LEDs
- Housing  
Durable cold rolled steel housing provides strength and uniformity. Luminaire is pre-painted to enhanced smooth finish.
- Mounting Methods  
- Surface mount, junction box cover included (standard)  
- V-hook & chain suspended (optional)  
- Cable suspended (optional)
- Green Technology  
Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

**PERFORMANCE DATA**

**CRI**

80+

**CCT**

3000K, 3500K, 4000K, 5000K

**Projected Lifetime**

>100,000 Hours (L70)

**Dimming**

0-10V Dimming Standard,  
10% down to 100%

**Operating Temperature**

-20°C to +45°C Ambient

**Warranty**

5 year Standard  
10 year Optional

**ORDERING INFORMATION**

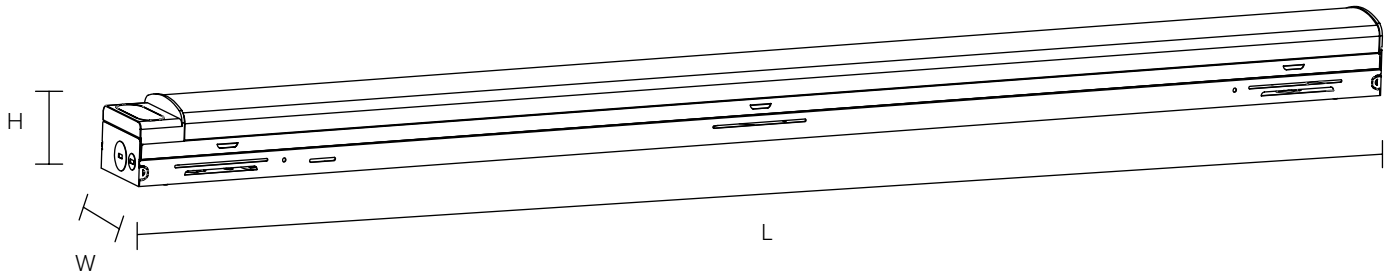
<b>NWRCH</b>						
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	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>
<b>A</b>	<b>FIXTURE SERIES</b>					
	NWRCH					
<b>B</b>	<b>WATTAGE/LUMENS 2 Ft</b>					
	25	25W/3300 <sup>1</sup>				
	<b>WATTAGE/LUMENS 4 Ft</b>					
	45	45W/5940 <sup>1</sup>				
	<b>WATTAGE/LUMENS 8 Ft</b>					
	90	90W/11880 <sup>1</sup>				
<b>C</b>	<b>CCT</b>					
	30	3000K				
	35	3500K				
	40	4000K				
	50	5000K				
<b>D</b>	<b>VOLTAGE</b>					
	UNV	120-277V				
<b>E</b>	<b>FINISH</b>					
	WH	White				
<b>F</b>	<b>OPTIONS</b>					
	EM	Emergency				
<b>G</b>	<b>WARRANTY<sup>2</sup></b>					
	-	5 Year Warranty				
	10	10 Year Warranty				
	10L	10 Year Warranty including labor				

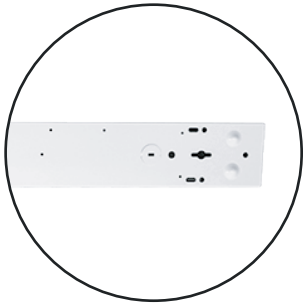
<sup>1</sup>Delivered Lumens (5000K)

<sup>2</sup> 5 Year Warranty is Standard unless specified

**TECHNICAL SPECIFICATIONS Continued**



MODEL	H	W	L	Weight
NWRCH - 2 Ft	64mm, 2-1/2 in	72mm, 2-13/16 in	564mm, 22-3/16 in	2.7 lb
NWRCH - 4 Ft	64mm, 2-1/2 in	72mm, 2-13/16 in	1202mm, 47-5/16 in	4.5 lb
NWRCH - 8 Ft	64mm, 2-1/2 in	72mm, 2-13/16 in	2392mm, 94-3/16 in	8.5 lb



## FIELD ADJUSTABLE Standard

### APP-ADJUSTABLE CCT & LUMEN



**OUTPUT & CCT  
FIELD  
ADJUSTABLE**

Trim to the desired output lumen by percentage, or select light color temperature by using the smart device APP.

CCT can be adjusted to 3000/3500/4000/5000K, and lumen output (high trim) can be set to as low as 50%.

## EMERGENCY BACKUP Optional

### EMERGENCY BACKUP (-EM)



**EMERGENCY  
BACKUP  
OPTION**

NWRCH series emergency backup models works out of the box to save time and cost in the installation. When there is a power outage, the emergency backup driver and battery will power the LEDs of FSLN to an brightness of 1,200 lumen for at least 90 mins.

Note: -EM option will not provide battery backup for FSLN intergrated bluetooth networked components, a RTC device (purchased separately) is recommended per zone if scheduling function is required, otherwise NLC time sync using the smart device APP will be required after each power outage.

## CONTROL Standard

### Networked Lighting Controls



All models of NWRCH are Bluetooth Networked Control (NLC) Enabled.

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.



iOS/Andriod APP will be used to commissioning or customize settings of the networked controls.



**(-WBP)** Optional plug-and-play PIR occupancy and daylight harvesting sensor.

## PERFORMANCE

### NWRCH - (2 Ft)

<b>25W</b>	<b>3000K Warm</b>	<b>3500K Warm</b>	<b>4000K Neutral</b>	<b>5000K Daylight</b>
<b>LUMENS</b>	3,225	3,250	3,275	3,300
<b>LM/W</b>	129	130	131	132

### NWRCH - (8 Ft)

<b>90W</b>	<b>3000K Warm</b>	<b>3500K Warm</b>	<b>4000K Neutral</b>	<b>5000K Daylight</b>
<b>LUMENS</b>	11,610	11,700	11,790	11,880
<b>LM/W</b>	129	130	131	132

### NWRCH - (4 Ft)

<b>45W</b>	<b>3000K Warm</b>	<b>3500K Warm</b>	<b>4000K Neutral</b>	<b>5000K Daylight</b>
<b>LUMENS</b>	5,805	5,850	5,895	5,940
<b>LM/W</b>	129	130	131	132

\* Max lumen values are shown for each CCT, can be trimmed to the desired output lumen (by percentage) in the App.

# NETWORKED CONTROLS MADE EASY

Keilton 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.

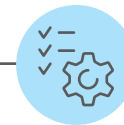
## Keilton®



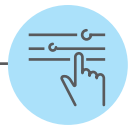
A Cost-Effective Decentralized Architecture  
Direct Mobile Device Provisioning  
Best-In-Class Scale, Performance & Reliability



INSTALL



COMMISSION




CONTROL



## 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 via smart device App or wireless wall switch
- Secure commissioning with Keilton App
- Up to 100 ft node-to-node and 50 ft node-to-device
- Other control features to meet code compliance

**OPTIONAL SENSOR ADD-ON**

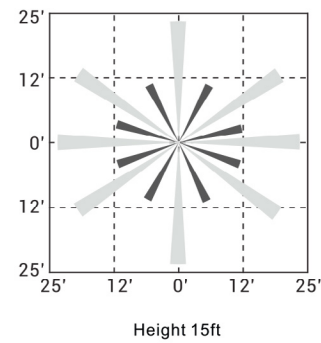
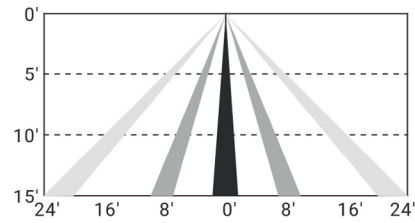
SKU	DESCRIPTION	FUNCTION	OPTION ORDER CODE
KEILTON-IFS108E	 KEILTON IFS108E ECO PIR DLH SENSOR	Enable sensor functionality to a NLC node - PIR occupancy & daylight (harvesting) sensing.	<b>-WBP</b>



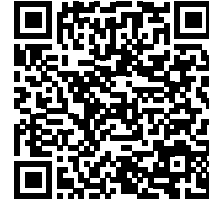
without sensor





with sensor installed




**COMMISSION & CONTROL SMART DEVICE APP**



**NETWORKED WALL SWITCH**

SKU	DESCRIPTION	FUNCTION	APPLICATION
KEILTON-WP1025	 <p>KEILTON WP1025 BATTERY 5 BUTTON BLUETOOTH DIMMER SWITCH W/ SCENE CONTROLLER</p>	Switch on/off, dim, or select up to 3 scenes, of an individual light or a group of lights (defined in the commissioning App). Battery powered.	Field installed, ideal for flexible or additional wall switch placement, indoor
KEILTON-WP1017S	 <p>KEILTON WP1017S AC 7 BUTTON BLUETOOTH DIMMER SWITCH W/ SCENE CONTROLLER</p>	Switch on/off, dim, or select up to 4 scenes, of an individual light or a group of lights (defined in the commissioning App). 120-277v AC powered.	Field installed, ideal for retrofitting existing wall switch, neutral wire (AC) is required, indoor

**OTHER**

SKU	DESCRIPTION	FUNCTION	APPLICATION
KEILTON-CR01	 <p>KEILTON CR01 ENERGY MONITORING USB DONGLE W/ RTC</p>	Records energy consumption of the assigned Zone. Offers real-time-clock (RTC) Sync of the Zone. USB (5v) powered, internal battery for RTC.	Field installed, one per Zone to satisfy energy audit, or to provide off-the-App time/schedule recovery from power-outage of the site.