

Linear LED Light Fixtures  
for IEC applications

**CROUSE-HINDS**  
SERIES

# Linear LED Solutions

For IEC Zone 1, 2, 21, and 22  
harsh and hazardous environments



**EATON**

*Powering Business Worldwide*





Linear LED solutions for  
IEC Zone 1, 2, 21 and 22 areas

# Safe. Reliable. Efficient

Featuring the industry's broadest range of LED luminaires for hazardous, harsh and industrial areas, **Eaton's Crouse-Hinds Division understands the challenging applications and environments faced in your industry.**

We deliver lighting solutions that perform safely and reliably in even the worst operating conditions. All the while reducing your energy, maintenance and manpower costs.





















No matter the challenge, we have lighting solutions designed to meet your needs

	<p><b>Zone 1 and 2 locations</b></p>	<p>Fixtures certified for use in locations in which flammable gases or vapors may be present.</p>		<p><b>High ambient temperature areas</b></p>	<p>Fixtures tested and listed for +50°C ambients. Advanced engineered heat sinking for effective thermal management ensures performance and longer life.</p>
	<p><b>Zone 21 and 22 locations</b></p>	<p>Fixtures certified for areas that are hazardous because of the presence of combustible dust.</p>		<p><b>Extreme cold and ice conditions</b></p>	<p>Fixtures tested and listed to reliably start and operate at normal light output levels in -40°C ambients.</p>
	<p><b>Adverse and corrosive environments</b></p>	<p>Fixtures designed for reliable performance in harsh areas prone to water, salt, dust, dirt, grime, vibration, and hard use.</p>		<p><b>Power outages and emergency situations</b></p>	<p>Optional batteries provide instant illumination in the event of an emergency. Batteries can work independently or part of a centralized system.</p>

# Crouse-Hinds series linear LED selection guide

Find out which solution is right for you

## Quick selection guide

Product Family	Lumen outputs	Zone 1		Zone 2		Zone 21		Zone 22		Harsh & Corrosive	Emergency Battery	Extreme ambient <sup>†</sup>	Design
		Zone 1	Zone 2	Zone 21	Zone 22	Zone 21	Zone 22						
<b>CEAG ExLin LED</b> 	2750	✓	✓	COMING SOON		✓	COMING SOON	✓	COMING SOON	 +55°C  -40°C	Nonmetallic Low profile Custom optics		
	5300												
	8120												
<b>CEAG eLLK LED</b> 	2700	✓	✓	✓	✓	✓	✓	✓	✓	 +55°C	Nonmetallic		
	5350												
<b>HLL LED</b> 	2800	✓	✓	✓	✓	✓	✓	✓	✓	 +55°C  -40°C	Metallic		
	5800												
<b>CEAG nLLK15 LED</b> 	1845		✓			✓	✓	✓	✓	 +50°C	Nonmetallic		
	3800												
	5200												
<b>nHLL LED</b> 	3000		✓			✓	✓	✓	✓	 +55°C  -40°C	Metallic		
	4000												
	5000												
	8000												
<b>CEAG LLK98 LED</b> 								✓			Nonmetallic		
<b>CEAG LLK15 LED</b> 								✓	✓	 +55°C  -40°C	Nonmetallic		
<b>PLLE LED</b> 	3000							✓	✓	 +55°C  -40°C	Metallic		
	4000												
	5000												
	8000												

<sup>†</sup> Operating temperature range may vary by lumen models within a product family. Refer to product catalog pages for complete temperature range details.

## CEAG™ ExLin LED linear light fixtures

### PRIMARY APPLICATIONS

Approved for use in Zone 1 and 2 hazardous areas, ExLin provides longer life, improved efficiency and superior performance with a competitive payback versus fluorescent fixtures. Designed to provide general illumination where moisture, dust, corrosion, and extreme temperature exist

### LUMINAIRE MODELS

Model number	Equivalent fluorescent luminaire	Typical energy savings/lifetime
ExLin 3L-1	2 x 18W	Up to 40% reduction in energy costs and a rated life of 100,000 hours at 25°C
ExLin 5L-1	2 x 36W	
ExLin 7L-2	2 x 58W	

### CERTIFICATIONS & COMPLIANCES

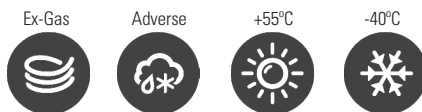
- Ex II 2 G Ex eb ib op is q IIC T4 Gb
- Ex eb ib op is q IIC T4 Gb
- IECEx-Certification of Conformity: IECEx BVS 18.0028X
- EC-Type Examination Certificate: BVS 18 ATEX E 037 X
- IP66, IP67

### ELECTRICAL RATINGS

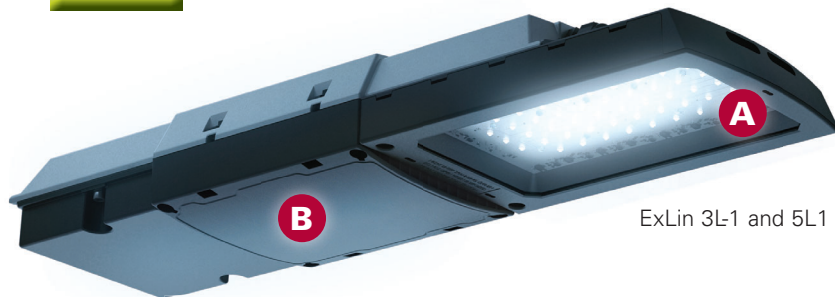
- Voltages: 110-277 VAC/DC
- Input power: 22W, 44W, 67W

### OPTIONS AND ACCESSORIES

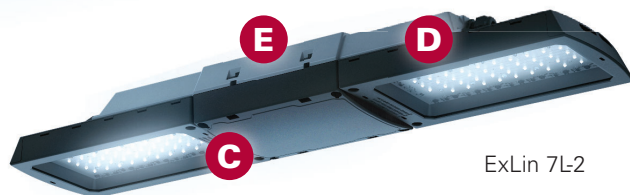
- Clear or diffused lens
- Standard, narrow, and wide beam options



**NEW!**



ExLin 3L-1 and 5L1



ExLin 7L-2

**State-of-the-art LED technology with optimised thermal management and a time-tested, field-proven enclosure**

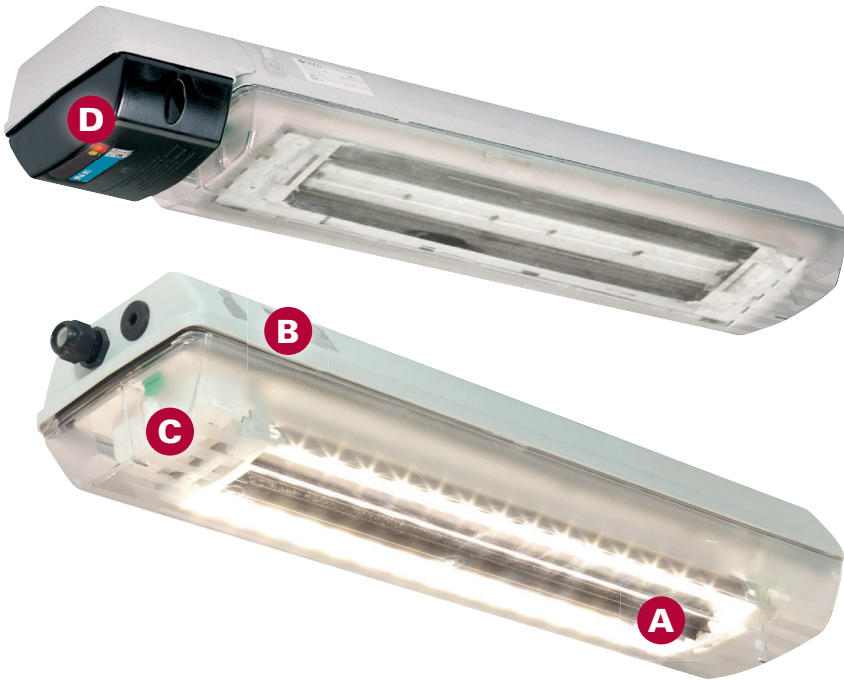
### DESIGN FEATURES

- A Superior performance and efficiency** - Up to 120 LM/W provides up to 40% energy efficiency compared to traditional fluorescent fixtures
- B Built to last** - Rated life of 100,000 hours at 25°C based on L90C5 provides long term, low-maintenance operation
- C Optimized light distribution** - Standard, narrow and wide beam optics optimize light distribution, providing light where the customer needs it with the potential to reduce the number of fixtures required
- D Low profile and lightweight** - Decreases footprint in confined applications and reduces installation effort
- E Drop-in mounting capability to eLLK Fluorescent** - Same fixing point as eLLK 2x18W fixtures and a mounting kit is available allowing for easy replacement of 2x36W and 2x58W without changing cables

† Operating temperature range may vary by lumen models within a product family. Refer to product catalog pages for complete temperature range details.



# CEAG™ eLLK LED linear light fixtures



## PRIMARY APPLICATIONS

Designed for use in Zone 1, 2, 21 and 22 outdoor and indoor hazardous and non-hazardous areas where moisture or corrosion may be a problem, such as offshore oil platforms, pharmaceutical plants, oil refineries and industrial locations.

## LUMINAIRE MODELS

Model number	Equivalent luminaire	Battery	Typical energy savings/lifetime
eLLK LED 400A	2x18W fluorescent	No	Up to 20% reduction in energy costs and 60,000 hours of continuous operation!
eLLK LED 800A	2x36W fluorescent	No	
eLLK LED 400A NE	2x18W fluorescent	Yes	
eLLK LED 800A NE	2x36W fluorescent	Yes	

**Saves on energy consumption and easily retrofit existing luminaires in hazardous and corrosive environments**

## DESIGN FEATURES

- A High output** - Illuminance (lux/Fc) equivalent to related fluorescent tubes at measurement plane.
- B Non-metallic design** - Fiberglass-reinforced polyester construction for extreme durability.
- C Retrofit friendly** - Retrofits to existing eLLK/hLLK fixtures with existing EVG 09 ballast or as a complete unit.
- D Emergency** - eLLK NE models include a 7 Ah-NC battery with LED display and monitoring via microprocessor. Provides 1.5 or 3 hours of emergency lighting.

## CERTIFICATIONS & COMPLIANCES

- Ex II 2G Ex de mb IIC T4 Gb
- Ex II 2D Ex tb IIIC T80 °C Db IP66
- BVS 09 ATEX E 034
- Ex de mb IIC T4 Gb/Ex tb IIIC T80 °C
- IECEx BVS 09.0033

## ELECTRICAL RATINGS

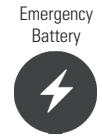
- Voltages: 110-254 VAC, 110-250 VDC; 50/60 Hz
- Input power: 2x13W, 2x26W

## OPTIONS AND ACCESSORIES

- LED module 400A (2x13W) for eLLK/M 92 018/18
- LED module 800A (2x26W) for eLLK/M 92 036/36
- Self contained battery system (NE models)
- Available with V-CG-S module for monitoring with an Eaton central battery system

† Operating temperature range may vary by lumen models within a product family. Refer to product catalog pages for complete temperature range details.





## HLL LED linear light fixtures

### PRIMARY APPLICATIONS

Constructed with an aluminum housing and high impact-resistant polycarbonate cover, providing extreme durability and reliability in Zone 1, 2, 21 and 22 hazardous areas. Designed for use in hazardous areas where moisture or corrosion may be a problem, such as offshore oil platforms, pharmaceutical and chemical plants, oil refineries and industrial locations.

### LUMINAIRE MODELS

Model number	Equivalent luminaire	Typical energy savings/lifetime
HLL-2-3L	2x18W	Up to 39% reduction in energy costs and 50,000 hours of continuous operation!
HLL-4-5L	2x36W	

### CERTIFICATIONS & COMPLIANCES

- Ex db ec IIC T5/T6 Gc
- Ex ec IIC T5/T6 Gc
- Ex db ec ib mb IIC T5/T6 Gc
- Ex ec ib mb IIC T5/T6 Gc
- Ex tb IIIC T80°C Db
- IECEx-certification of conformity: IECEx CQM 16.0030X
- EC-Type examination certificate: CML 17ATEX3305X
- IP66

### ELECTRICAL RATINGS

- Voltages: 100-240 VAC, 108-250 VDC
- Input power: 30W, 40W, 60W, 80W

### OPTIONS AND ACCESSORIES

- Epoxy coating on aluminum housing
- Emergency battery back-up
- Pipe, wall, and ceiling mounts available



**Saves on energy consumption and easily retrofit existing luminaires in hazardous and corrosive environments**

### DESIGN FEATURES

- A Rugged design** - Copper-free aluminum housing and impact-resistant polycarbonate lens provide excellent resistance to corrosion and heat
- B Easy installation** - Lightweight design, hinged cover, and a terminal block wing for easy installation and maintenance
- C Industry leading thermal management** - For safe and reliable operation over a wide temperature range
- D Retrofit friendly** - Fixture utilizes the same mounting footprint of linear fluorescent lighting

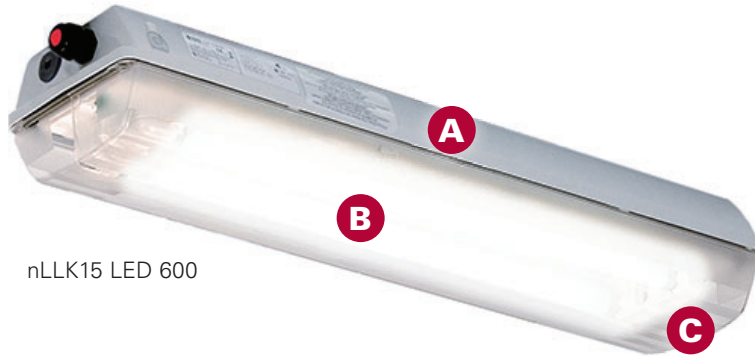
† Operating temperature range may vary by lumen models within a product family. Refer to product catalog pages for complete temperature range details.



# CEAG™ nLLK15 LED linear light fixtures

## PRIMARY APPLICATIONS

Long-life LED tubes provide general illumination, indoors or out, in Zone 2 and 22 hazardous environments around the globe. Heavy duty, non-metallic construction stands up to tough physical and environmental demands, making it an excellent choice where dust, dirt, gas, vapor, smoke, fumes, moisture, corrosive and wet conditions are present.



nLLK15 LED 600



nLLK15 LED 1200 and 1500

## LUMINAIRE MODELS

Model number	Equivalent fluorescent luminaire	Typical energy savings/lifetime
nLLK15 LED 600	2 x 18W	Up to 77% more efficient than standard LED light fixtures!
nLLK15 LED 1200	2 x 36W	
nLLK15 LED 1500	2 x 58W	

**Crisp, bright light and durability in harsh environments provides a long-life solution in Zone 2 and 22 areas**

## DESIGN FEATURES

- A Built to last** - Heavy duty, non-metallic construction stands up to tough physical and environmental demands, making it an excellent choice where dust, dirt, gas, vapor, smoke, fumes, moisture, corrosive and wet conditions are present.
- B High output** - Utilizes Aura UltiLED LED tubes for extreme applications, providing high efficacy and long life.
- C Emergency** - Available with a self-contained battery system or V-CG-S module for monitoring with an Eaton central battery system.

## CERTIFICATIONS & COMPLIANCES

- Ex II 3 G Ex ec IICT4 Gc
- Ex II 3 D Ex tc IIIC T80°C Dc
- EC-Declaration of Conformity: CCH 15 ATEX 1044
- IP66

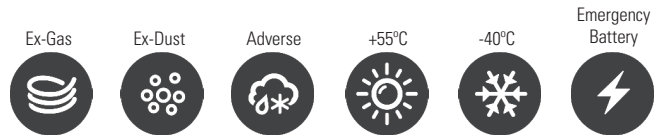
## ELECTRICAL RATINGS

- Voltage: 220-240 VAC/DC
- Input power: 18W, 37W, 49W

## OPTIONS AND ACCESSORIES

- Available with safety switch on request
- Self-contained battery version available
- Connection to CEAG emergency light monitoring systems possible (V-CG-S)
- Light controlling via DALI interface (DALI option)

† Operating temperature range may vary by lumen models within a product family. Refer to product catalog pages for complete temperature range details.



## nHLL LED linear light fixtures

### PRIMARY APPLICATIONS

Constructed with an aluminum housing and high impact-resistant polycarbonate cover for use in Zone 2 and 22 hazardous areas where moisture or corrosion may be a problem, such as offshore oil platforms, pharmaceutical and chemical plants, oil refineries and industrial locations.

### LUMINAIRE MODELS

Model number	Equivalent luminaire	Typical energy savings/lifetime
NHLL-2-C2-3L	2x18W	Up to 39% reduction in energy costs and 50,000 hours of continuous operation!
NHLL-2-C2-4L	2x36W	
NHLL-4-C2-5L	2x36W	
NHLL-4-C2-8L	2x58W	

### CERTIFICATIONS & COMPLIANCES

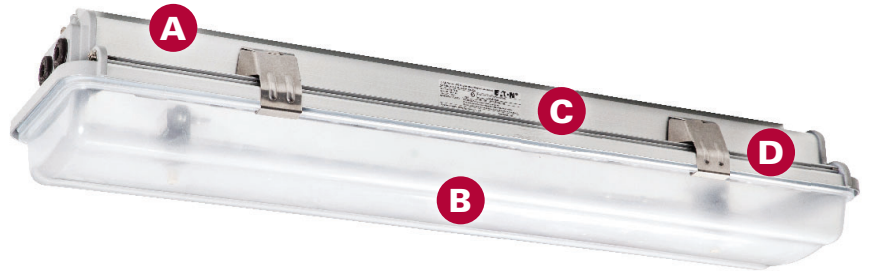
- Ex db ec IIC T5/T6 Gc
- Ex ec IIC T5/T6 Gc
- Ex db ec ib mb IIC T5/T6 Gc
- Ex ec ib mb IIC T5/T6 Gc
- Ex tb IIIC T80°C Db
- IECEx-certification of conformity: IECEx NEP 18.0003X
- EC-Type examination certificate: SEV 18 ATEX 0171X
- IP66

### ELECTRICAL RATINGS

- Voltages: 100-240 VAC
- Input power: 30W, 40W, 60W, 80W

### OPTIONS AND ACCESSORIES

- Epoxy coating on aluminum housing
- Emergency battery back-up
- Pipe, wall, and ceiling mounts available



**Rugged, low profile fixture that is easy to install and provides clear illumination in Zone 2 and 22 hazardous areas**

### DESIGN FEATURES

- A Rugged design** - Copper-free aluminum housing and impact-resistant polycarbonate lens provide excellent resistance to corrosion and heat
- B Easy installation** - Lightweight design, hinged cover, and a terminal block wing for easy installation and maintenance
- C Industry leading thermal management** - For safe and reliable operation over a wide temperature range
- D Retrofit friendly** - Fixture utilizes the same mounting footprint of linear fluorescent lighting

† Operating temperature range may vary by lumen models within a product family. Refer to product catalog pages for complete temperature range details.



Adverse



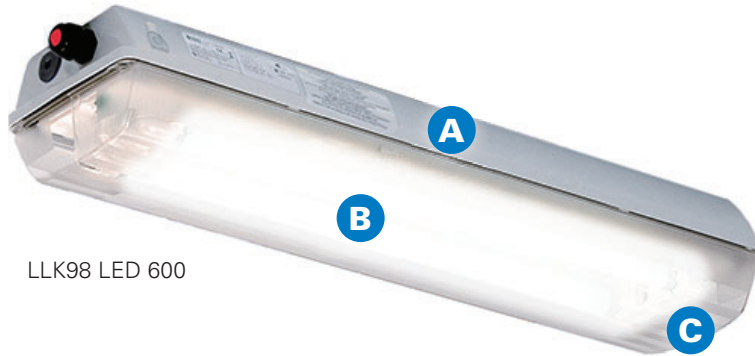
## CEAG™ LLK98 LED linear light fixtures

### PRIMARY APPLICATIONS

Long-life LED tubes provide general illumination in wet and harsh environments. Heavy duty, non-metallic construction stands up to tough physical and environmental demands, making it an excellent choice where dust, dirt, gas, vapor, smoke, fumes, moisture, corrosive and wet conditions are present.

### LUMINAIRE MODELS

Model number	Equivalent fluorescent luminaire	Typical energy savings/lifetime
LLK98 LED 600	2 x 18W	Up to 60% more efficient than fluorescent light fixtures
LLK98 LED 1200	2 x 36W	
LLK98 LED 1500	2 x 58W	



LLK98 LED 600



LLK98 LED 1200 and 1500

The latest in LED lighting technology, coupled with the design requirements of harsh and wet environments

### DESIGN FEATURES

- A Built to last** - Heavy duty, non-metallic construction stands up to tough physical and environmental demands, making it an excellent choice where dust, dirt, gas, vapor, smoke, fumes, moisture, corrosive and wet conditions are present.
- B High output** - Utilizes long-life LED tubes for extreme applications, providing high efficacy and long life.
- C Emergency** - Available with a self-contained battery system or V-CG-S module for monitoring with an Eaton central battery system.

### CERTIFICATIONS & COMPLIANCES

- Text
- IP66
- Operating temperature range -20°C to +40°C

### ELECTRICAL RATINGS

- Voltage: 220-240 VAC
- Input power: 18W, 37W, 49W

### OPTIONS AND ACCESSORIES

- Wall mount brackets, ceiling mount brackets and pipe clamps

† Operating temperature range may vary by lumen models within a product family. Refer to product catalog pages for complete temperature range details.

## CEAG™ LLK15 LED linear light fixtures

### PRIMARY APPLICATIONS

Crisp, bright light and durability in wet and harsh environments. Wide ambient temperature range from -40° to +55°C. Heavy duty, non-metallic construction stands up to dust, dirt, gas, vapor, smoke, fumes, moisture, corrosive and wet conditions are present.

### LUMINAIRE MODELS

Model number	Equivalent fluorescent luminaire	Typical energy savings/lifetime
LLK15 LED 600	2 x 18W	Up to 60% more efficient than fluorescent light fixtures
LLK15 LED 1200	2 x 36W	
LLK15 LED 1500	2 x 58W	

### CERTIFICATIONS & COMPLIANCES

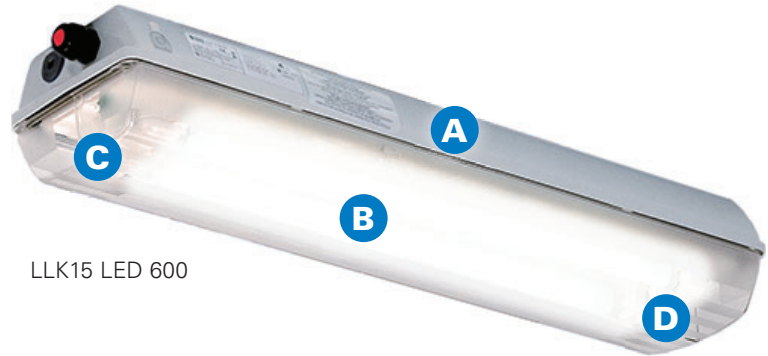
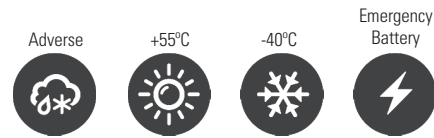
- Text
- IP66
- Operating temperature range -40°C to +55°C

### ELECTRICAL RATINGS

- Voltage: 220-240 VAC
- Input power: 18W, 37W, 49W

### OPTIONS AND ACCESSORIES

- Available with safety switch on request
- Wall mount brackets, ceiling mount brackets and pipe clamps



LLK15 LED 600



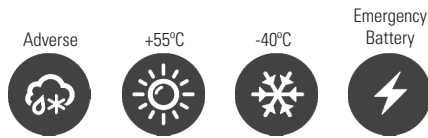
LLK15 LED 1200 and 1500

**A rugged and durable LED fixture designed reliable performance in extreme ambient temperatures**

### DESIGN FEATURES

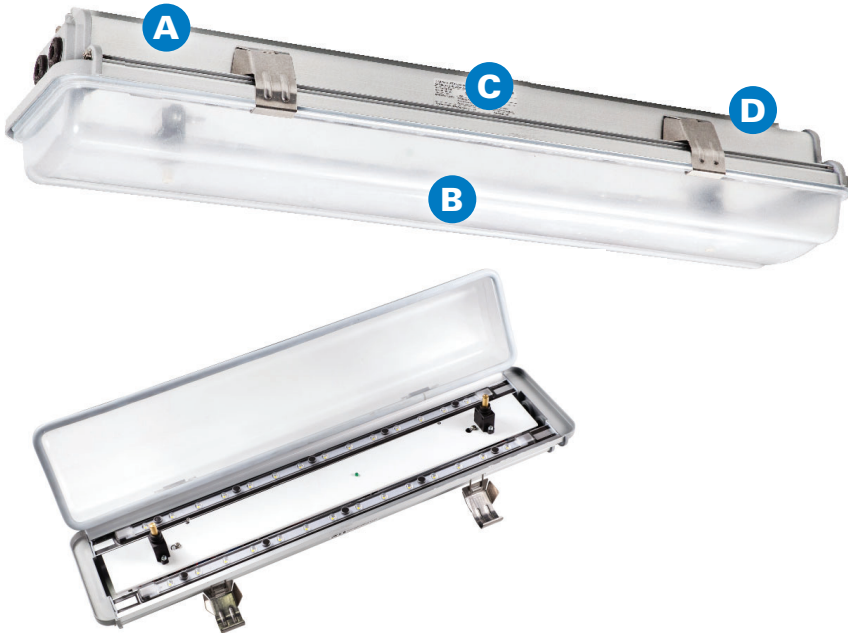
- A Built to last** - Heavy duty, non-metallic construction stands up to tough physical and environmental demands, making it an excellent choice where dust, dirt, gas, vapor, smoke, fumes, moisture, corrosive and wet conditions are present.
- B High output** - Utilizes long-life LED tubes for extreme applications, providing high efficacy and long life.
- C Extreme temperatures** - Rated for use in ambient temperatures from -40°C to +55°C
- D Emergency** - Available with a self-contained battery system or V-CG-S module for monitoring with an Eaton central battery system.

† Operating temperature range may vary by lumen models within a product family. Refer to product catalog pages for complete temperature range details.



# Harsh & heavy industrial

## PLLE LED linear light fixtures



**Rugged, low profile fixture that is easy to install and provides clear illumination in challenging areas**

### DESIGN FEATURES

- A Rugged design** - Copper-free aluminum housing and impact-resistant polycarbonate lens provide excellent resistance to corrosion and heat
- B Easy installation** - Lightweight design, hinged cover, and a terminal block wing for easy installation and maintenance
- C Industry leading thermal management** - For safe and reliable operation over a wide temperature range
- D Retrofit friendly** - Fixture utilizes the same mounting footprint of linear fluorescent lighting

### PRIMARY APPLICATIONS

Constructed with an aluminum housing and high impact-resistant polycarbonate cover for use in outdoor and indoor industrial areas where moisture or corrosion may be a problem, such as offshore oil platforms, pharmaceutical and chemical plants, oil refineries and industrial locations.

### LUMINAIRE MODELS

Model number	Equivalent luminaire	Typical energy savings/lifetime
PLLE-2-C2-3L	2x18W	Up to 39% reduction in energy costs and 60,000 hours of continuous operation!
PLLE-2-C2-4L	2x36W	
PLLE-4-C2-5L	2x36W	
PLLE-4-C2-8L	2x58W	

### CERTIFICATIONS & COMPLIANCES

- CE self declared
- IP66

### ELECTRICAL RATINGS

- Voltages: 100-240 VAC
- Input power: 30W, 40W, 60W, 80W

### OPTIONS AND ACCESSORIES

- Epoxy coating on aluminum housing
- Emergency battery back-up
- Pipe, wall, and ceiling mounts available

† Operating temperature range may vary by lumen models within a product family. Refer to product catalog pages for complete temperature range details.



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