Rugged versatility
LED lighting solutions by Eaton

E·T·N

Powering Business Worldwide

Designed to perform

Lighting engineered to stand-up to challenging mine conditions

Mining is an around-the-clock operation where employee safety and zero downtime are critical requirements. You need to maximize your efficiency and minimize the risk of damage to equipment or personnel. **You need a partner like Eaton.**

Eaton, offers a large portfolio of innovative and reliable LED products for mine-related applications, and the broadest portfolio of LED luminaires for any industrial or hazardous application.

We utilize more than 100 years of lighting expertise to optimize the benefits of LED technology to offer the safest and most reliable LED luminaires on the market today.

Colowyo Mine, Meeker, Colorado

Dragline retrofitted with sixteen 25,000 lumen Champ® Pro PFM Series LED floodlights (see pg. 6)

LED lighting solutions
engineered for mining

Champ® Series LED Floodlights
high output & durable floodlights

HB Series LED High Bay
versatile & efficient high bay luminaires

Champ® Series LED Luminaires
targeted illumination for multiple locations

Endure™ LED
wall or ceiling mount, versatile & efficient

Vaporgard™ Series LED Luminaires
rugged, dependable task lighting

Crosstour™ MAXX LED
rugged, architectural style wall pack

LL48 Linear LED Luminaires
compact and low profile linear luminaires

XNV Roadway LED Luminaire
high performance, economical design

Vaportite Linear LED
modular designed linear luminaire

NVN Navion LED Roadway Luminaire
outstanding optical performance

Encounter™ LED Series
unmatched optical performance

Light-Pak™ N2LPS Emergency Luminaire
compact & reliable emergency lighting

IHB Series LED High Bay
cost-effective & efficient high bay luminaires

CCH UX Series Exit Lighting
exit lighting for any environment

Eaton LED lighting locations

Eaton designs and manufactures a wide array of LED lighting solutions that save you energy and reduce recurring maintenance costs.

Eaton LED luminaires provide mine sites with flexibility and multiple fixture options usable in a variety of applications.

1 Conveyors

2 Equipment

3 Tunnels

4 Maintenance

5 Warehouse

6 Processing Areas

7 Stackers/Reclaimers

8 Offices

9 Walkways

10 Roadways

11 Parking Lots

Floodlight

Champ® Series LED Floodlights
- Walkways
- Parking lots
- Equipment
- Conveyors
- Stackers/reclaimers
- Maintenance

Targeted

Champ® Series LED Luminaires
- Conveyors
- Stackers/reclaimers
- Processing areas
- Equipment
- Maintenance

Task

Vaporgard™ Series LED Luminaires
- Processing areas
- Equipment
- Maintenance
- Tunnels

Linear & troffer replacement

LL48 Linear LED Luminaires
- Processing areas
- Equipment
- Maintenance
- Tunnels

Vaportite Linear LED Luminaires
- Processing areas
- Equipment
- Maintenance
- Tunnels

Encounter™ LED Series Troffer Replacements
- Office
- Non-industrial
- Administrative areas
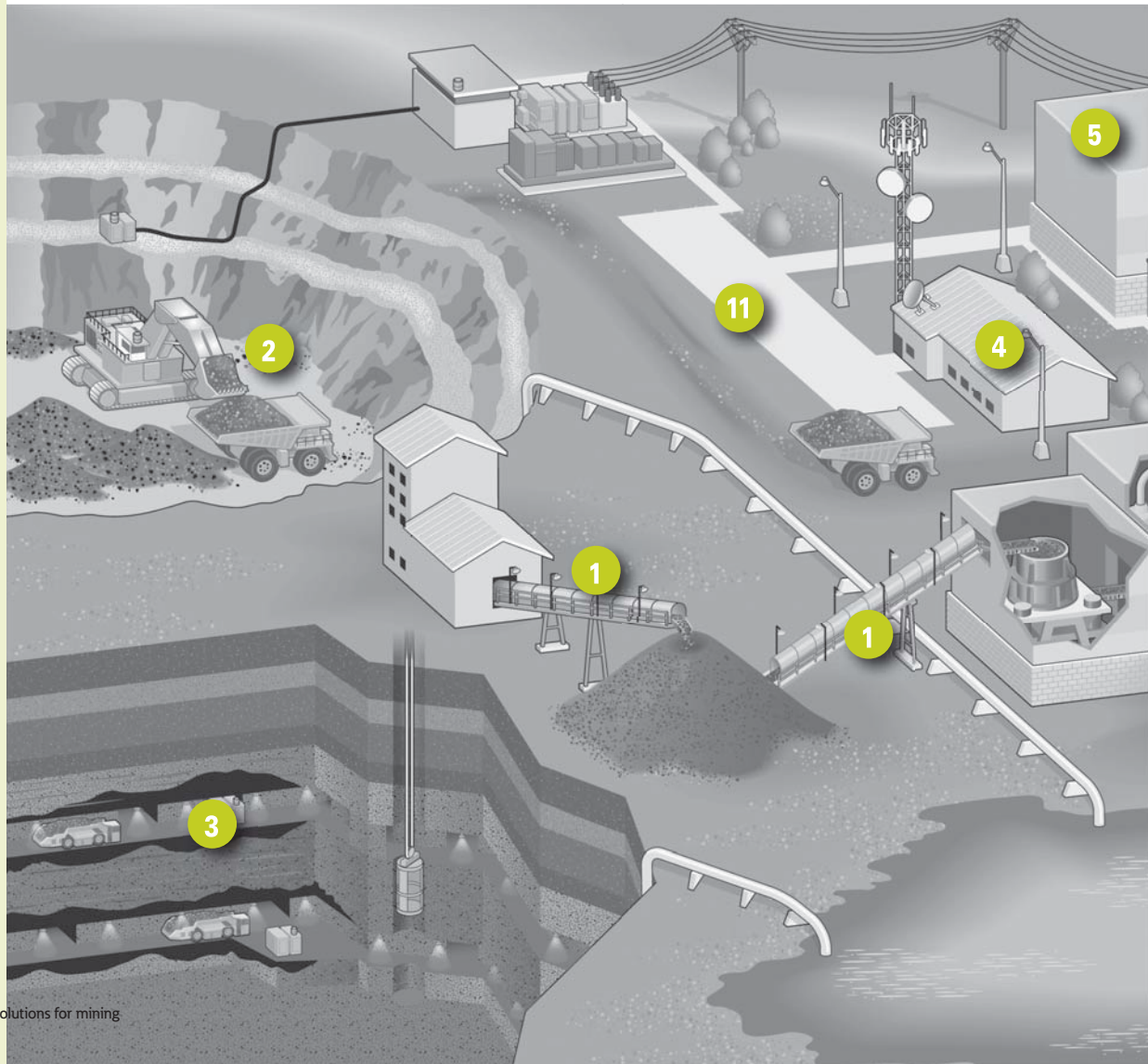
High bay

**IHB Series LED
Luminaires**
- Maintenance
- Warehouse
- Offices
- Processing areas

**HB LED Series
Luminaires**
- Maintenance
- Warehouse
- Offices
- Processing areas

Wall-pack/ceiling mount

**Endure™ LED
Wall or Ceiling Mount**
- Walkways
- Tunnels
- Processing areas
- Maintenance

**Crosstour™ MAXX Wall
Pack/Area Site**
- Walkways
- Tunnels
- Processing areas
- Maintenance

Roadway

**XNV LED Roadway
Luminaire**
- Walkways
- Parking lots
- Roadways
- Maintenance

**NVN NAVION Roadway
LED Luminaire**
- Walkways
- Parking lots
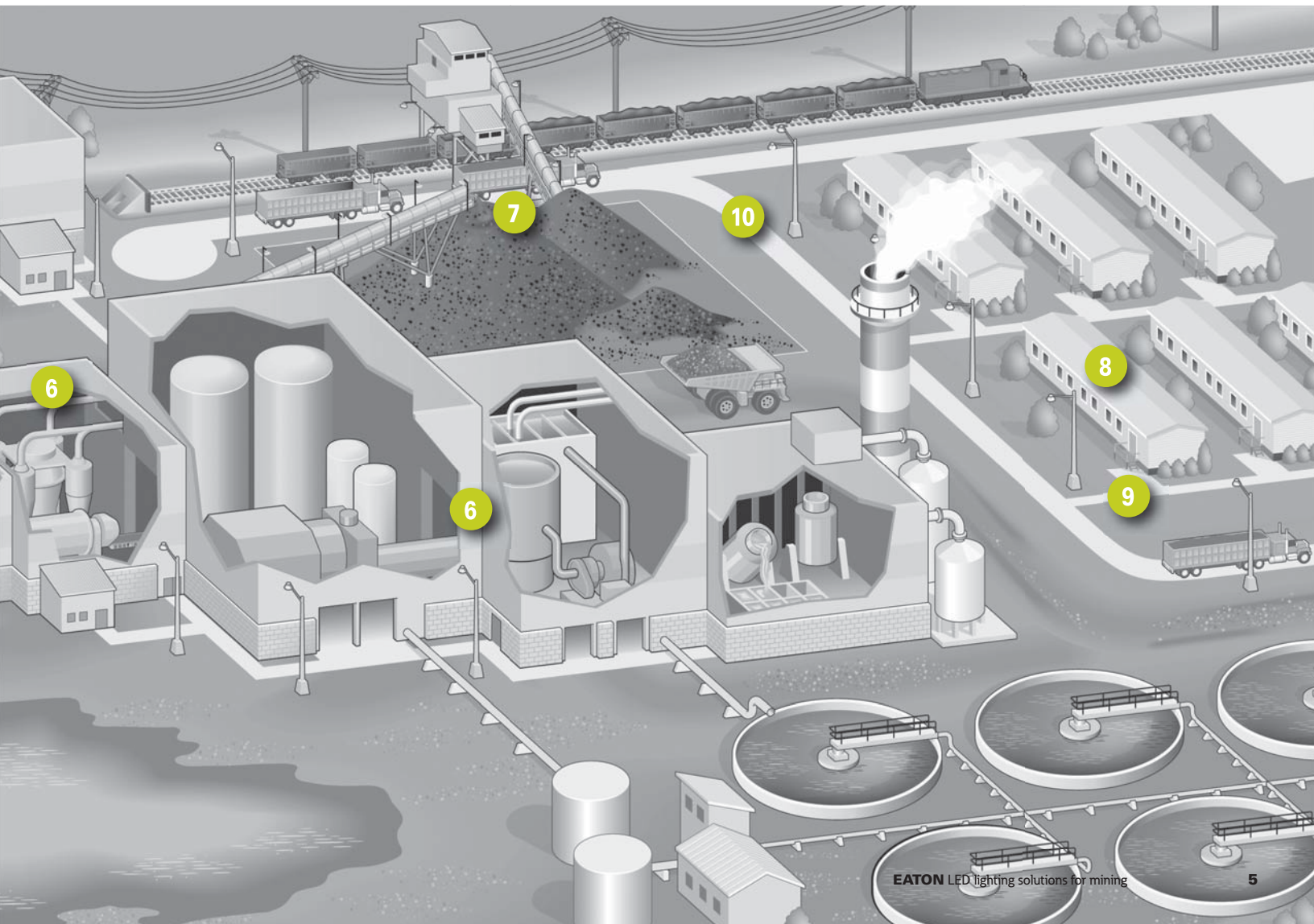- Roadways
- Maintenance

Emergency & exit

**N2LPS Light-Pack LED
Emergency Lighting**
- Maintenance
- Warehouse
- Offices
- Processing areas
- Walkways
- Equipment

**CCH UX Series
LED Exit Lighting**
- Maintenance
- Warehouse
- Offices
- Processing areas
- Walkways
- Equipment

high-output & durable

Crouse-Hinds
by **E·T·N**

Champ® Pro PFM Series Floodlights

Overview

Champ® Pro PFM Series Floodlights are designed to provide full-spectrum, crisp, white light.

Seven versions of the Champ PFM LED are available for pole and wall mounting, providing ideal solutions for a wide range of applications.

Certifications

- UL1598
- UL1598A
- cUL
- NEMA 4X
- IP66
- DesignLights Consortium® approved for select models
- UL approved up to 40°C ambient

LED system

- High brightness LEDs
- Color temperature: warm and cool options available
- Advanced heat sink design ensures low LED junction temperature and sustained lumen performance
- Redundant drivers provide reliable operation in the harshest environments

Benefits

- Instant illumination and restrike
- Cold temperature operation; no warm-up time
- Available for wall and surface mounting
- Operating temperature range: -30°C to +55°C *(-30°C to +40°C for 25L & 50L)*
- Options include: Diffused glass or polycarbonate lens, bolt-on wire guard, bolt-on visor and slipfitter mounting adapters

Aiming Range

105°

45°
45° PAST VERTICAL

60°
60° BEFORE VERTICAL

45°

60°
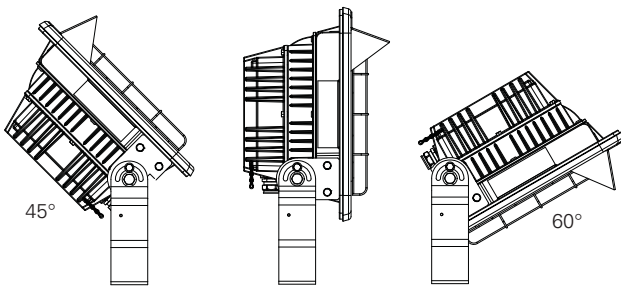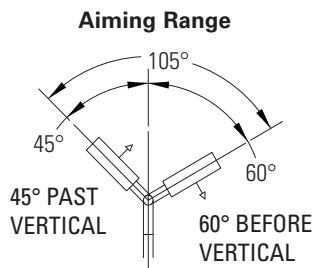
Shown with optional dark sky visor and wire guard

Model Number	Equivalent HID Luminaire	Typical Energy Savings/ Lifetime
PFM5L	100W-150W	
PFM7L	150W-175W	
PFM9L	175W-250W	
PFM11L	250W-320W	Up to 65% reduction in energy costs and 60,000 hours of continuous operation!
PFM13L	320W-400W	
PFM25L	750W-1000W	
PFM50L	1500W	

PFM25L

targeted illumination

Crouse-Hinds
by E·T·N

Champ® Pro PVM Series LED Luminaires

Overview

Champ® Pro PVM Series Luminaires are designed to provide full-spectrum, crisp, white light with custom Type I, III and V distribution.

Nine versions of the PVM Series are available, providing ideal solutions for a wide range of applications.

Certifications

- UL1598
- UL1598A
- cUL
- NEMA 4X
- IP66
- DesignLights Consortium® approved for select models
- UL approved up to 55°C ambient

LED system

- High brightness LEDs
- Color temperature: warm and cool options available
- Advanced heat sink design ensures low LED junction temperature and sustained lumen performance
- Redundant drivers provide reliable operation in the harshest environments
- Custom optics provide IES Type I, III and V light patterns

Benefits

- Instant illumination and restrike
- Cold temperature operation; no warm-up time
- Operating temperature range: -40°C to +55°C
- Optional occupancy sensor available for increased energy savings

The Champ® Pro PVM is an ideal luminaire for illuminating conveyor belts and walkways. Optics allow for increased visibility and performance.

Champ® Pro PVM   Champ® Pro PVM
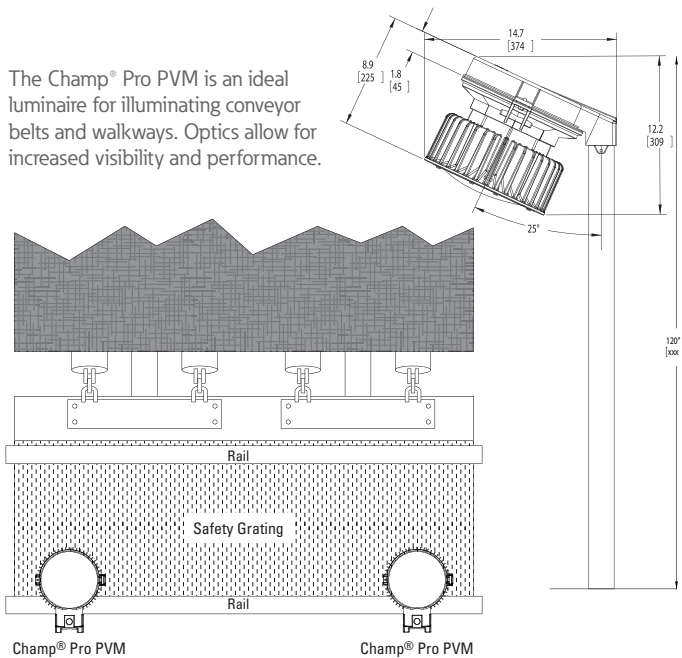
Model Number	Equivalent HID Luminaire	Typical Energy Savings/ Lifetime
PVM3L	70W-100W	
PVM5L	100W-150W	
PVM7L	150W-175W	
PVM9L	175W-250W	
PVM11L	250W-320W	Up to 79% reduction in energy costs and 60,000 hours of continuous operation!
PVM13L	320W-400W	
PVM17L	400W-600W	
PVM21L	600W-750W	
PVM25L	750W-1000W	

PVM21L and 25L

PVM13L and 17L

PVM3L–11L

hazardous area rated

Crouse-Hinds
by **EAT•N**

Champ® FMV Series Floodlights

Overview

Champ® FMV Series Floodlights are hazardous location rated and are designed to provide full-spectrum, crisp, white light.

Five versions of the Champ FMV LED are available for pole and wall mounting, providing ideal solutions for a wide range of hazardous area applications.

Certifications

- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2
- Class II, Groups E, F, G
- Class III
- Type 4X, IP66
- UL844; UL1598; UL1598A
- CSA C22.2 No. 137

LED system

- High brightness LEDs
- Color temperature: warm and cool options available
- Advanced heat sink design ensures low LED junction temperature and sustained lumen performance
- Redundant drivers provide reliable operation in the harshest environments

Benefits

- Instant illumination and restrike
- Cold temperature operation; no warm-up time
- Available for wall and surface mounting
- Operating temperature range: -30°C to +55°C
- Options include: Diffused glass or polycarbonate lens, bolt-on wire guard, bolt-on visor and slipfitter mounting adapters
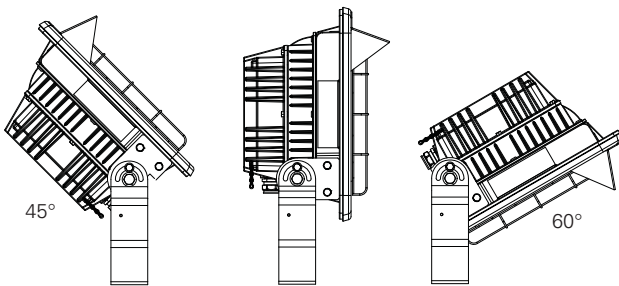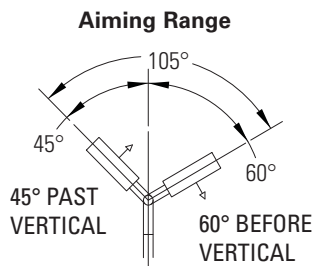
Model Number	Equivalent HID Luminaire	Typical Energy Savings/ Lifetime
FMV5L	100W-150W	
FMV7L	150W-175W	Up to 65% reduction in energy costs and 60,000 hours of continuous operation!
FMV9L	175W-250W	
FMV11L	250W-320W	
FMV13L	320W-400W	

Aiming Range

105°

45°   60°

45° PAST VERTICAL   60° BEFORE VERTICAL

45°   60°

Shown with optional dark sky visor and wire guard

FMV9L

Crouse-Hinds
by **E:T•N**

Champ® VMV Series LED Luminaires

Overview

Champ® VMV Series Luminaires are designed to provide full-spectrum, crisp, white light with custom Type I, III and V distribution.

Nine versions of the VMV Series are available, providing ideal solutions for a wide range of hazardous area applications.

Certifications

- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2, Zone 21 tb
- Class II, Groups E, F, G
- Class III
- UL844; UL1598; UL1598A
- CSA C22.2 No. 137
- Type 4X, IP66
- IECEx/ATEX Certified
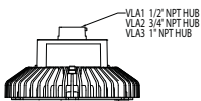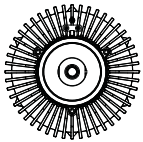- DesignLights Consortium® approved for select models

LED system

- High brightness LEDs
- Color temperature: warm and cool options available
- Advanced heat sink design ensures low LED junction temperature and sustained lumen performance
- Redundant drivers provide reliable operation in the harshest environments
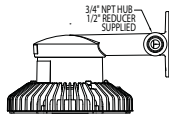- Custom optics provide IES Type I, III and V light patterns

Benefits

- Instant illumination and restrike
- Cold temperature operation; no warm-up time
- Operating temperature range: -40°C to +55°C

hazardous area rated

The Champ® VMV is an ideal luminaire for illuminating conveyor belts and walkways. Optics allow for increased visibility and performance.
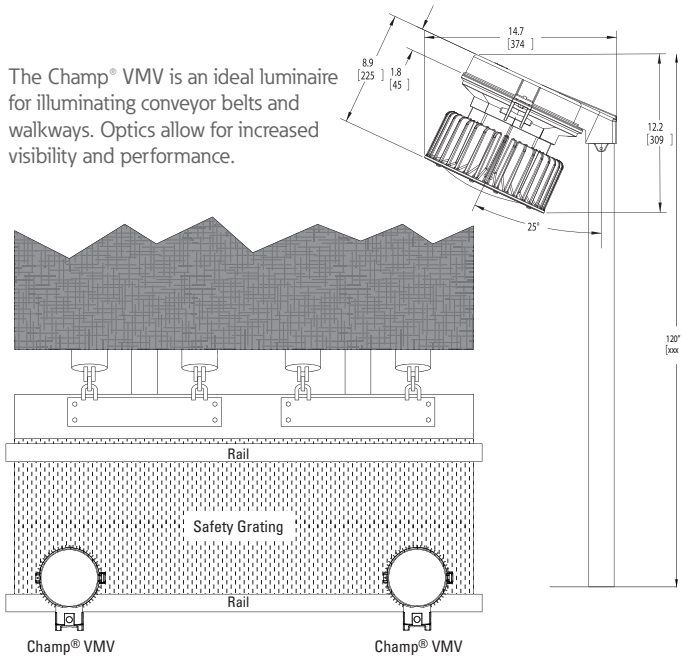
Model Number	Equivalent HID Luminaire	Typical Energy Savings/ Lifetime
VMV3L	70W-100W	
VMV5L	100W-150W	
VMV7L	150W-175W	
VMV9L	175W-250W	Up to 79% reduction in energy costs and 60,000 hours of continuous operation!
VMV11L	250W-320W	
VMV13L	320W-400W	
VMV17L	400W-600W	
VMV21L	600W-750W	
VMV25L	750W-1000W	

VMV21L and 25L

VMV13L and 17L

VMV3–11L

Crouse-Hinds
by **E·T·N**

Vaporgard™ Pro LED Series Luminaires

Overview

Vaporgard™ LED Luminaires are suitable for lower mounting heights, confined spaces, tunnels or utility rooms.

This fixture delivers similar light levels to a 200W incandescent and is available in cool or warm white light.

Certifications

- UL1598
- UL1598A
- cUL
- NEMA 4X
- IP66
- DesignLights Consortium® approved for select models

LED system

- High brightness LEDs
- Color temperature: warm and cool options available
- Advanced heat sink design ensures low LED junction temperature and sustained lumen performance
- Redundant drivers provide reliable operation in the harshest environments

Benefits

- Instant illumination and restrike
- Cold temperature operation; no warm-up time
- 22W LED system can save up to 85% in energy costs
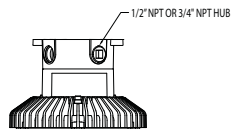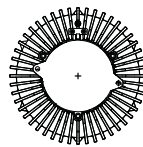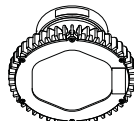- Operating temperature range: -30°C to +55°C

rugged dependability

Typical Mounting Options

VLA1 1/2" NPT HUB
VLA2 3/4" NPT HUB
VLA3 1" NPT HUB

Pendant

3/4" NPT HUB
1/2" REDUCER SUPPLIED

Wall

1/2" NPT OR 3/4" NPT HUB

Ceiling

1-1/4" HUB   45°
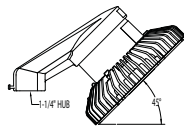
Stanchion

Model Number	Equivalent Luminaire	Typical Energy Savings/Lifetime
P2LC/UNV1		
P2LW/UNV1	50W HID or 100-200W incandescent	Up to 85% reduction in energy costs and 60,000 hours of continuous operation!
P2LC/DC1		
P2LW/DC1		

Crouse-Hinds
by **E·T·N**

LL48 Linear LED Luminaires

Overview

LL48 LED Luminaires allow for the replacement of existing harsh and hazardous industrial fluorescent fixtures.

Used for general lighting in indoor and outdoor areas with low mounting heights or confined spaces, such as aisles, tunnels and catwalks, over doorways or entries, landing areas and utility rooms.

Certifications

- Class I, Division 2, Groups A, B, C, D
- NEMA 4X
- IP66
- UL Listed and CSA Certified
- Marine and Wet Locations

Design features

- Designed to match the footprint of a traditional linear fluorescent fixture
- Same light pattern and lumen output at a fraction of the cost versus fluorescent

Benefits

- Linear LEDs can withstand extreme temperatures and vibration that would cause traditional technologies to fail
- Operating temperature range: -35°C to +55°C
- Versatile mounting options; uses the same mounts as eLLK/nLLK Series

compact & low profile

Model Number	Equivalent Luminaire	Typical Energy Savings/ Lifetime
LL48-60W-765/-F-1M		
LL48-60W-765/-C-1M	2x58W fluorescent	Up to 50% reduction in energy costs and 60,000 hours of continuous operation!
LL48-60W-765/-F-1N		
LL48-60W-765/-C-1N		

Typical Mounting Options

Ceiling

30°

Wall

135°

Pole
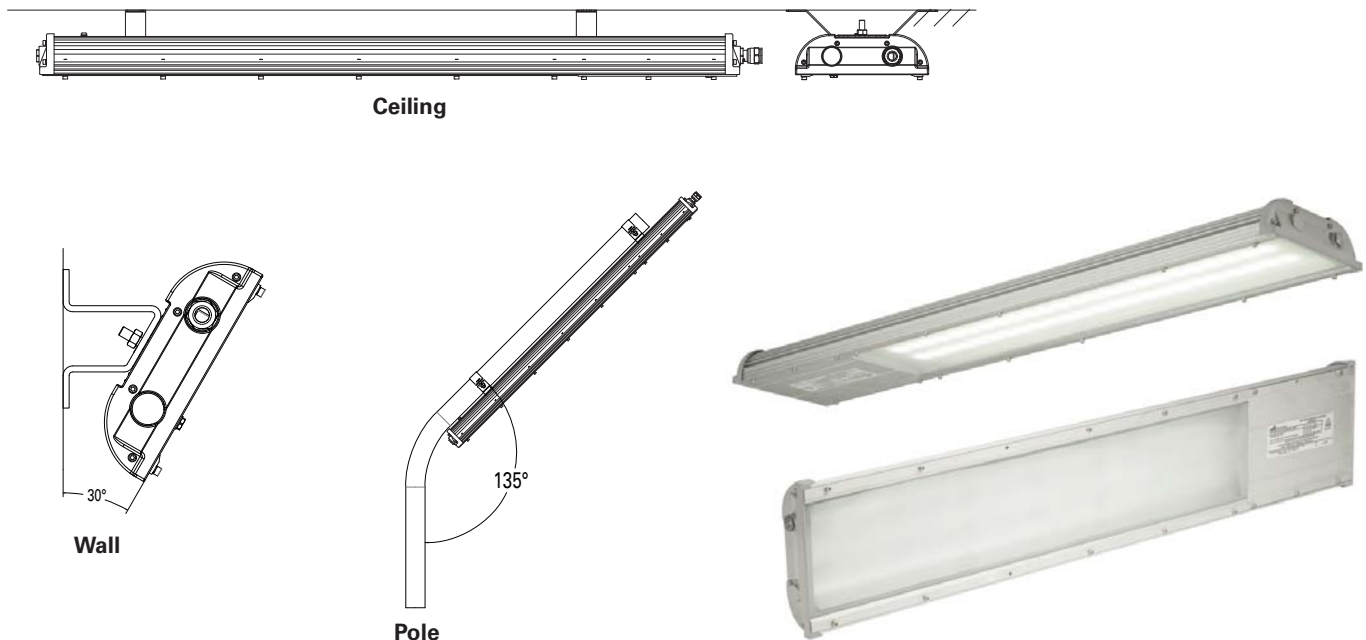
Cooper Lighting
by **EAT•N**

Vaportite LED Luminaires

Overview

The Vaportite LED Series is an energy-efficient industrial vapor-tight fixture that features rugged and durable construction. The Vaportite LED incorporates a full metal fixture liner inside a reinforced fiberglass housing with a high impact diffuser. This Vaportite Series is suitable for interior and exterior applications and can be surface or chain mounted.
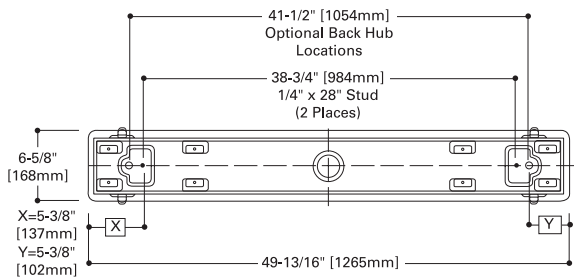
Certifications

- DesignLights Consortium® approved for select models*

Design features & benefits

- Ideal for cold storage applications
- LEDs available in 3500K or 4000K with 85 CRI
- Wet location rated
- Narrow and wide distributions
- 2' and 4' housings
- Modular design with quick disconnects
- 0-10V dimming driver is standard

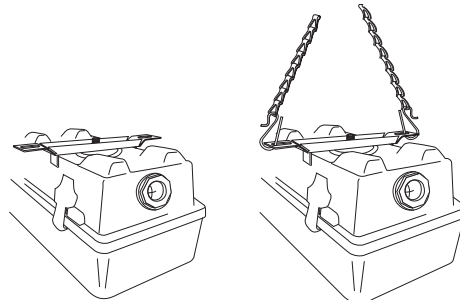| Model Number	Equivalent HID Luminaire	Typical Energy Savings/ Lifetime
* VT-LD2-58DR-UNV-L840-CD2-WL-U	150W metal halide	60%
VT-LD2-30DR-UNV-L840-CD1-WL-U	100W metal halide	70%

modular design
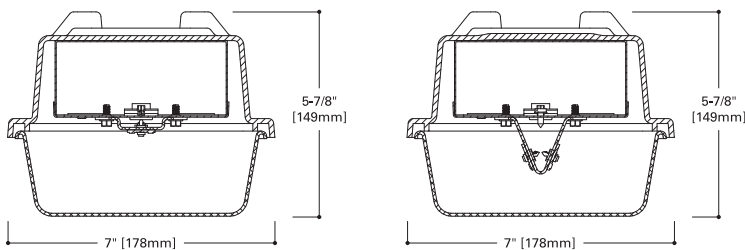
Dimensions

41-1/2" [1054mm] Optional Back Hub Locations
38-3/4" [984mm] 1/4" x 28" Stud (2 Places)
6-5/8" [168mm]
X=5-3/8" [137mm]
Y=5-3/8" [102mm]
49-13/16" [1265mm]

Typical mounting options

Mounting brackets   **Chain hanging set**

5-7/8" [149mm]
7" [178mm]

5-7/8" [149mm]
7" [178mm]

Cooper Lighting
by **EAT·N**

Encounter™ LED Series

Overview

The Metalux Encounter™ Series redefines ambient lighting by blending contemporary styling with Cooper Lighting's proprietary WaveStream™ technology. The result is exceptional performance and superior energy savings – all at an affordable price. The highly efficient LED system with advanced optical design delivers optimal light uniformity, resulting in soft, natural light for superior visual comfort. Encounter is a perfect balance of form and function, making it an ideal choice for commercial interiors.

Certifications

- cULus – Damp Location Listed
- IC Rated
- RoHS Listed
- LM79/LM80 Compliant
- DesignLights Consortium® Qualified
- NOM Compliant
- CA Title 24

Design features & benefits

- Available in 2' x 2', 2' x 4', 1' x 4' and 1' x 2' recessed versions
- Leverages our patented WaveStream Technology with AccuAim™ optics
- Advanced optical control with optimal illumination
- High performance efficacy up to 105 lumens per watt
- Over 45% energy savings when compared to fluorescent troffers
- Three CCT options: 3000K, 3500K and 4000K at 85 CRI
- Five stocked lumen packages offered, along with multiple MTO options
- Standard 0-10V continuous dimming driver
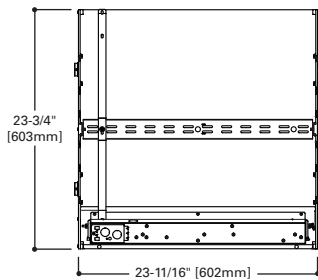- 2x2: L85 at 60,000 hours; 2x4: L78 at 60,000 hours with 5 year warranty
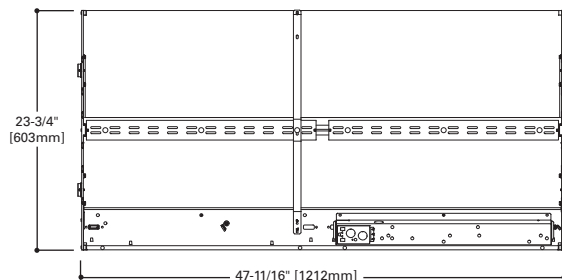
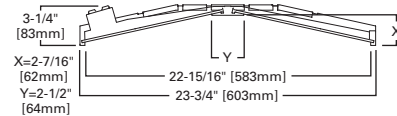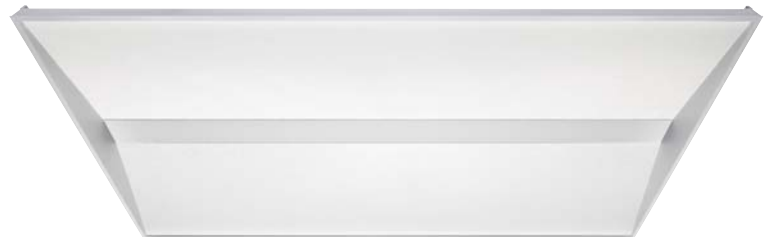unmatched performance

Dimensions and mounting options

3-1/4" [83mm]

23-3/4" [603mm]

2 x 2

23-3/4" [603mm]

23-11/16" [602mm]

2 x 4

23-3/4" [603mm]

47-11/16" [1212mm]
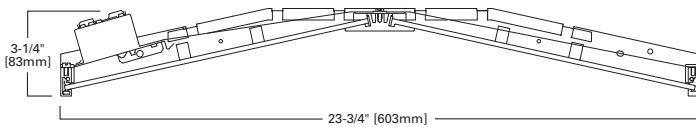
Model Number	Equivalent Fluorescent Luminaire	Typical Energy Savings/ Lifetime
22EN-LD1-34-UNV-L835-CD1-U	Parabolic troffer with (2) U6T8 lamps	45%

Lamp configurations

3-1/4" [83mm]
X=2-7/16" [62mm]
Y=2-1/2" [64mm]
Y
X
22-15/16" [583mm]
23-3/4" [603mm]

efficiency & value

Crouse-Hinds
by **E·T·N**

IHB Series LED High Bay Luminaires

Overview

IHB Series LED Luminaires are the perfect replacement for 400W HID and 4-6 lamp T5HO fluorescent high bay fixtures. The IHB is designed for locations requiring continuous and consistent light levels and areas that are difficult to maintain.

Certifications

• Meets UL1598 and cUL construction requirements

• DesignLights Consortium® approved for select models

Design features & benefits

• High efficiency serviceable drivers

• Powder coated white painted sheet metal body

• Mounting bracket for ¾″ pendant mount conduit or aircraft cable hook/cord mounting option

• Available with optional occupancy sensor

• Aluminum heat sinks for superior thermal management

• Two discrete LED boards for uniform illumination

• Tempered and clear glass lens cover

Model Number	Equivalent HID Luminaire	Typical Energy Savings/ Lifetime
IHB13L2A/UNV1	400W	Up to 69% reduction in energy costs and 60,000 hours of continuous operation!

Dimensions
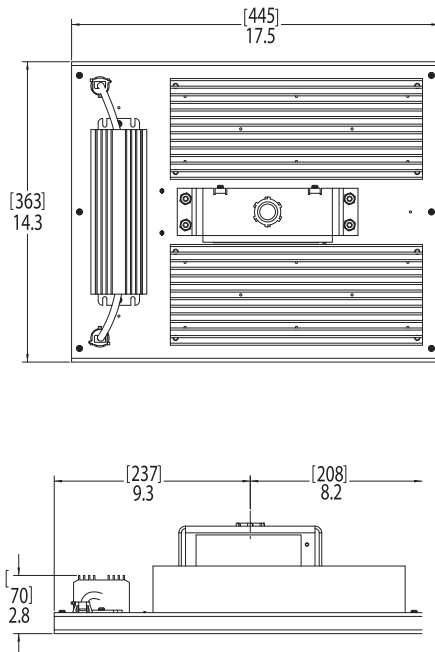
Typical mounting options
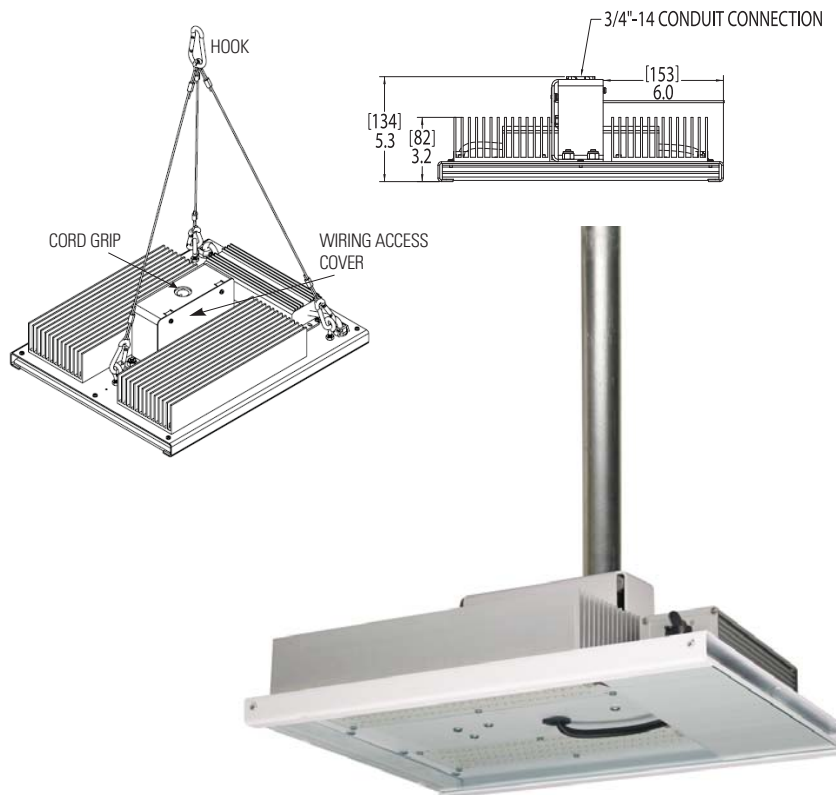
Cooper Lighting

by **EAT•N**

HB LED Series High Bay Luminaires

Overview

The HB LED is an outstanding value for a wide variety of applications and mounting heights. Precision designed optics, multiple distributions, lumen outputs and color temperatures make the energy-efficient HB LED the ideal solution for high bay applications.
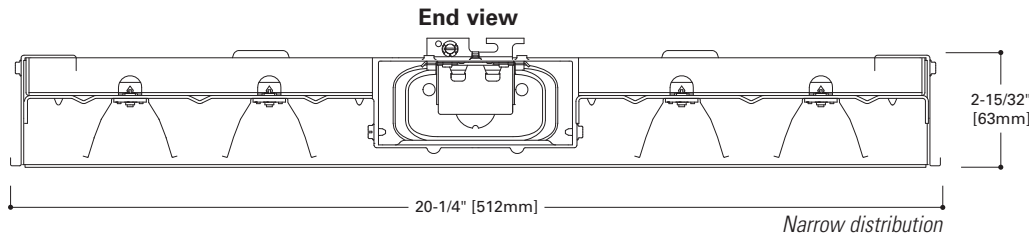
Certifications

- cULus - Damp Location Listed
- 50° ambient rating
- RoHS Compliant
- DesignLights Consortium® approved for select models
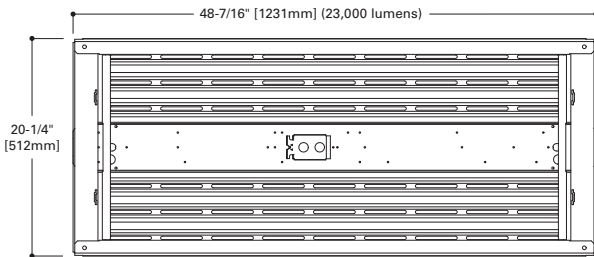
Design features & benefits

- Three lumen package options (9000, 18,000 and 24,000)
- Two correlated color temperatures (4000K and 5000K)
- 80+ CRI
- L70 at 50,000 hours
- High efficacy with 90+ LPW
- Tool-less driver access for easy maintenance
- Precision optics – general and wide distribution
- Optional 0-10V dimming driver (15% - 100%)
- Multiple lens and wire guard options
- 5 year warranty

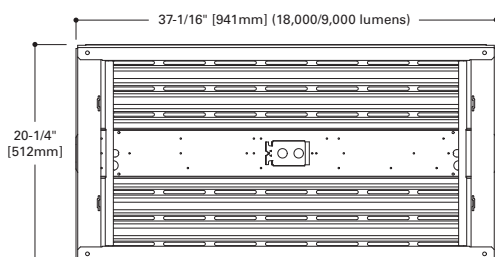| Model Number	Equivalent HID Luminaire	Typical Energy Savings/ Lifetime
HBLED-LD2-9-W-UNV-L850-ED1-U	175W metal halide	40%
HBLED-LD2-18-W-UNV-L850-ED2-U	250W metal halide	30%
HBLED-LD2-24-W-UNV-L850-ED3-U	400W metal halide	40%

low profile design

Dimensions

End view

2-15/32" [63mm]

20-1/4" [512mm]

Narrow distribution

4' Housing

48-7/16" [1231mm] (23,000 lumens)

20-1/4" [512mm]

3' Housing

37-1/16" [941mm] (18,000/9,000 lumens)

20-1/4" [512mm]

maximize efficiency

Crouse-Hinds
by **E:T•N**

Endure™ LED Wall or Ceiling

Overview

The IP66, stainless steel Endure™ LED Wall Pack features the patented, modular LED LightBAR™ technology.

The Endure LED Luminaire is available with one or two LightBAR configurations in Type II or Type V distributions.

Certifications

- UL1598
- cUL
- IP66

Design Features

- 4 point mounting for quick wall or ceiling mounting
- 50,000+ hour life with >70% lumen maintenance
- 98 lumens per watt; 0.9 power factor
- -30°C to 50°C ambient temperature rating
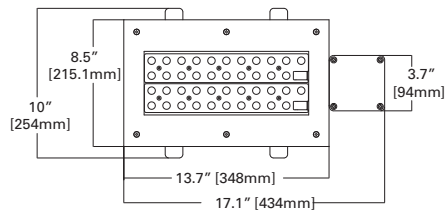- Designed for indoor or outdoor use

Benefits

- Optics: Type V for general illumination or Type II for narrow illumination. Ideal for conveyors or walkways.
- Controlled distribution of light means far less light loss
- Available in 316 stainless steel
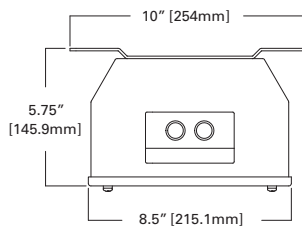- Glass or polycarbonate lens options available

Model Number	Equivalent HID Luminaire	Typical Energy Savings/ Lifetime
FM1 B01	50W	59%
FM1 B02	70W	43%

Dimensions

Top View (2 LightBAR Configuration Shown)

8.5" [215.1mm]
10" [254mm]
3.7" [94mm]
13.7" [348mm]
17.1" [434mm]

End View

10" [254mm]
5.75" [145.9mm]
8.5" [215.1mm]

Mounting
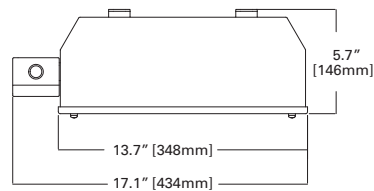
8" [200mm]

Side View

5.7" [146mm]
13.7" [348mm]
17.1" [434mm]
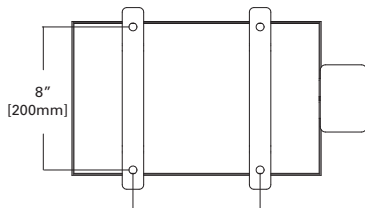
Cooper Lighting
by **E:T•N**

CrossTour MAXX Wall Pack/Area Site

Overview

The Crosstour™ MAXX LED Wall Pack Series Luminaires provide low profile architectural style with super bright, energy-efficient LEDs. The rugged die cast aluminum construction, back box with secure lock hinges, stainless steel hardware along with a sealed and gasketed optical compartment make Crosstour impervious to contaminants.

Certifications

- UL/cUL Wet Location Listed
- LM79/LM80 Compliant
- RoHS Compliant
- ARRA Compliant
- NOM Compliant Models
- 3G Vibration Tested
- UL924 Listed (CBP Models)
- IP66 Rated
- Lighting Facts® Registered
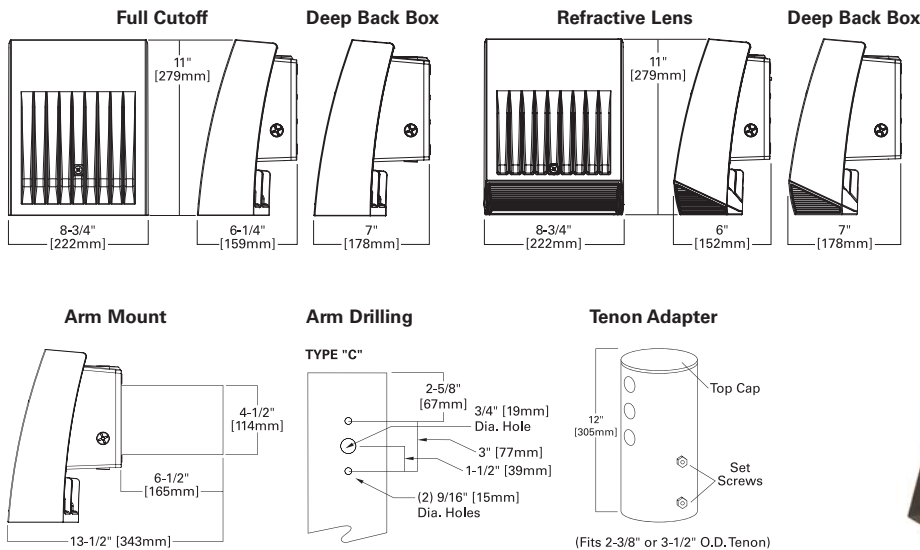- DesignLights Consortium® approved for select models

Design features & benefits

- Wall, inverted or pole mount. Energy saving replacement up to 400W HID
- Patent pending, heavy duty construction, maximum LED performance
- Die cast aluminum, low profile design with hinged removable door
- 50W and 85W full cutoff and refractive lens models
- Sealed LED optical chamber with 5000K or 3500K (CCT) LEDs
- Rated for -40°C to 40°C. High ambient 50°C available
- Options include: pole mount arm, dimming and occupancy sensors
- Emergency egress battery pack
- 5 year warranty

Model Number	Equivalent HID Luminaire	Typical Energy Savings/ Lifetime
XTOR5A **XTOR5ARL**	250W	83%
XTOR9A **XTOR9ARL**	400W	82%

Dimensions and mounting options

Full Cutoff
11" [279mm]
8-3/4" [222mm]
6-1/4" [159mm]

Deep Back Box
7" [178mm]

Refractive Lens
11" [279mm]
8-3/4" [222mm]
6" [152mm]

Deep Back Box
7" [178mm]

Arm Mount
4-1/2" [114mm]
6-1/2" [165mm]
13-1/2" [343mm]

Arm Drilling
TYPE "C"
2-5/8" [67mm]
3/4" [19mm] Dia. Hole
3" [77mm]
1-1/2" [39mm]
(2) 9/16" [15mm] Dia. Holes

Tenon Adapter
12" [305mm]
Top Cap
Set Screws
(Fits 2-3/8" or 3-1/2" O.D. Tenon)

Cooper Lighting
by **E·T·N**

NVN NAVION Roadway LED Luminaire

high performance

Overview

The NAVION Roadway LED Luminaire combines world-class optical performance, energy efficiency and outstanding versatility to meet the requirements of any roadway application. Patented AccuLED™ optics technology delivers unparalleled uniformity and budget-beating operating costs for municipal streets and highways. UL/cUL Listed for wet locations, IP66 enclosure rating available.

Certifications

- UL and cUL Wet Location Listed
- IP66 LED Panels
- 3G Vibration Rated
- ARRA Compliant
- ISO9001

Design features & benefits
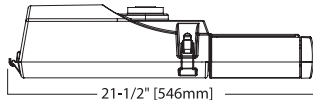
- Tool-less entry; hinged removable power door for easy maintenance
- 10kV surge protection
- Suitable for operation in -40°C to 40°C environments
- L90 60,000 hours at 40°C
- 3G vibration rated
- IP66 LED panels
- 5 year warranty

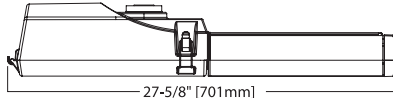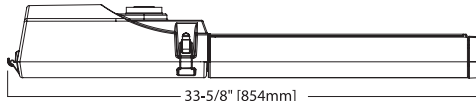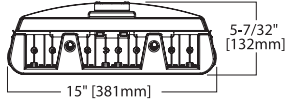| Model Number	Equivalent HID Luminaire	Typical Energy Savings/ Lifetime
NVN-AA-01-E-U-T3A-10K-4-AP	100W	70%
NVN-AA-02-E-U-T3A-10K-4-AP	200W	49%
NVN-AA-04-E-U-T3A-10K-4-AP	350W	42%

Dimensions

1, 2 or 3 LED Squares
5-7/32" [132mm]
8-7/8" [225mm]
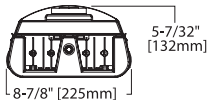
1 LED Square
21-1/2" [546mm]

2 LED Squares
27-5/8" [701mm]

3 LED Squares
33-5/8" [854mm]

4 or 6 LED Squares
5-7/32" [132mm]
15" [381mm]

4 LED Squares
27-5/8" [701mm]
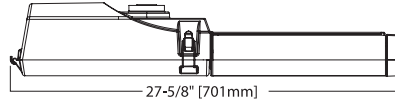
6 LED Squares
33-5/8" [854mm]
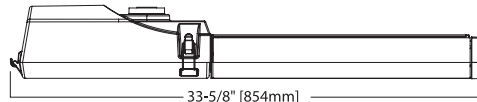
Cooper Lighting
by **EAT•N**

XNV LED Roadway Luminaire

Overview

The XNV LED Roadway Luminaire combines high-performance optics and a simple, economical design to deliver uniform illumination, low maintenance costs and rugged, user-friendly construction. It is designed for years of worry-free operation and is ideal for retrofits where a quick payback is as important as lighting performance.

Certifications

- UL and cUL Wet Location Listed
- IP66 Light Square
- 3G Vibration Rated
- ARRA Compliant
- UL 1449 Surge Protection
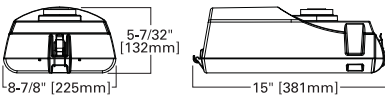- ISO 9001

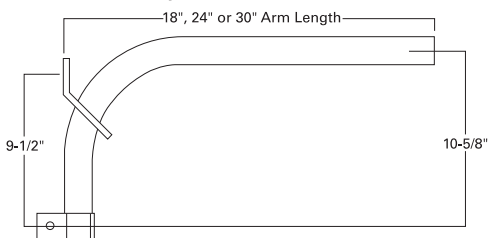### Design features & benefits

- Tool-less entry; hinged removable power door for easy maintenance
- 10kV surge protection
- Suitable for operation in -40°C to 40°C environments
- L90 60,000 hours at 40°C
- 3G vibration rated
- IP66 LED panels
- 5 year warranty

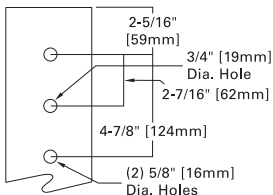| Model Number	Equivalent HID Luminaire	Typical Energy Savings/ Lifetime
XNV-AC-01-E-U-2-10K-4-AP		
XNV-AC-01-E-U-3-10K-4-AP	100W	70%
XNV-AC-01-E-U-5-10K-4-AP		

economical design

Dimensions and mounting options

5-7/32" [132mm]
8-7/8" [225mm]
15" [381mm]

Optional wood pole pipe arm

18", 24" or 30" Mounting Bracket

18", 24" or 30" Arm Length
9-1/2"
10-5/8"

arm drilling

TYPE "M"

2-5/16" [59mm]
3/4" [19mm] Dia. Hole
2-7/16" [62mm]
4-7/8" [124mm]
(2) 5/8" [16mm] Dia. Holes

Optional mounting arm

22" Upsweep Arm

2-3/8" [60mm]
7" [178mm]
Rise 8" [203mm]
9-3/4" [246mm]
22" [559mm]
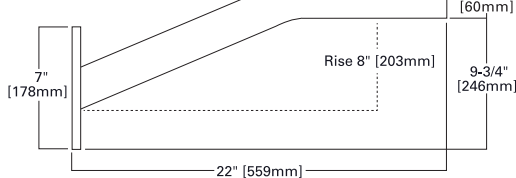
compact & reliable

Crouse-Hinds
by **E·T·N**

Light-Pak™ N2LPS LED Emergency Lighting System

Overview

Light-Pak™ N2LPS LED Emergency Lighting Systems are used to provide reliable illumination for egress areas, to illuminate machinery or panels during failure or interruption of power to the normal lighting system. Also used where moisture, dirt, dust or corrosion will limit the life and reliability of ordinary emergency lighting systems

Certifications

- NEC/CEC:
  Class I, Division 2, Groups B, C, D, Zone 2; Class II, Division 1, Groups F, G

- UL Standards:1598A; 924; 844

- CSA Standards:
  C22.2 No. 141-M1985;
  C22.2 No. 137-M1981

- Life Safety Code NFPA101® – Section 5-9

- Marine Wet Locations Suitability

- Type 4X

LED System

- Compact, factory-assembled luminaire featuring LED lamps for improved lumen performance and lifetime

- Durable and marine rated LED lamp head assemblies provide protection against water ingress, corrosion and impact

Benefits

- High temperature rated nickel cadmium battery option available for reliable operation up to 55°C ambient

- Solid state battery charger for long life and reliable battery operation prevents deep discharge by automatically disconnecting the battery from the luminaire

- Factory-installed "push-to-test" button

- Self-test, monitoring and diagnostics reduce costly maintenance checks

- Remote luminaire head assemblies (one or two) are available for mounting of luminaire heads away from main power system

Dimensions
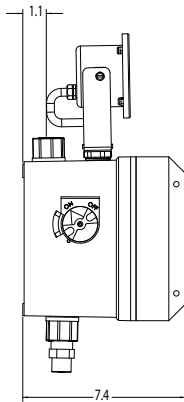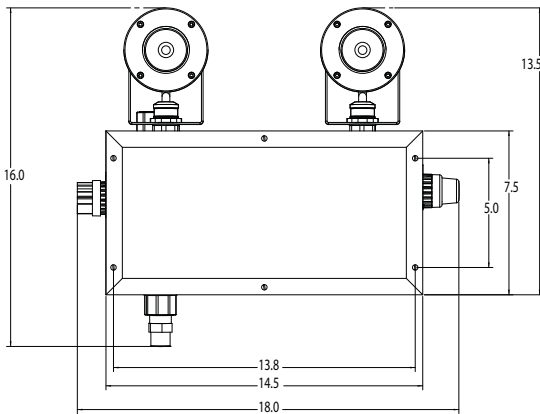
Model Number	Description
N2LPS	3 hour battery life
N2RF	3 hour battery life, remote lamp heads

reliable anywhere

Crouse-Hinds
by **EAT•N**

CCH UX Series Exit Lighting

Overview

The CCH UX NEMA 4X Exit Sign is designed for the most severe environments; the exit sign will provide maximum performance against rain, moisture, cold, corrosives and dust. Universal configurations (single and double face) and universal mounting provide the ease of one product specifying for any job.

Certifications

- Class I, Division 2, Groups A, B, C, D, T5 lamp rating with HAZ option
- NEMA 4X Listed with dual voltage input 120/277 VAC, 60 Hz
- UL FTBR Listed when specified with the "2C" option
- NSF National Sanitation Foundation/Splash Zone (for food processing)
- Suitable for wet and damp locations; meets most state and local codes

Design features & benefits

- Die cast aluminum housing
- Can be ceiling, wall or end mounted
- Watchguard EMS self-diagnostic system
- Universal configurations (single and double face) and universal mounting provide the ease of one product specifying for any job
- Self-diagnostics, photocell testing, LED technology and nickel cadmium battery provide long life and low maintenance
- Injection-molded, clear, polycarbonate shield not only provides protection against moisture and rain, but also vandalism
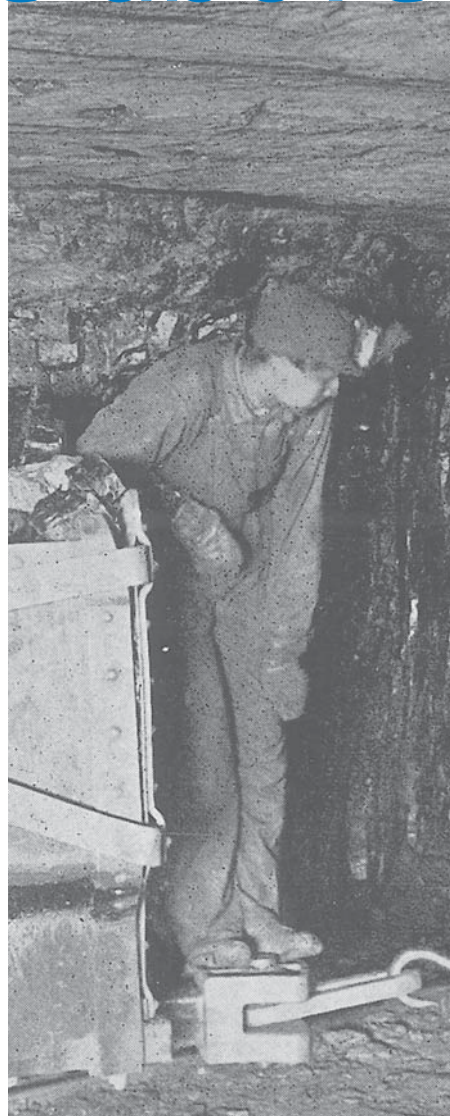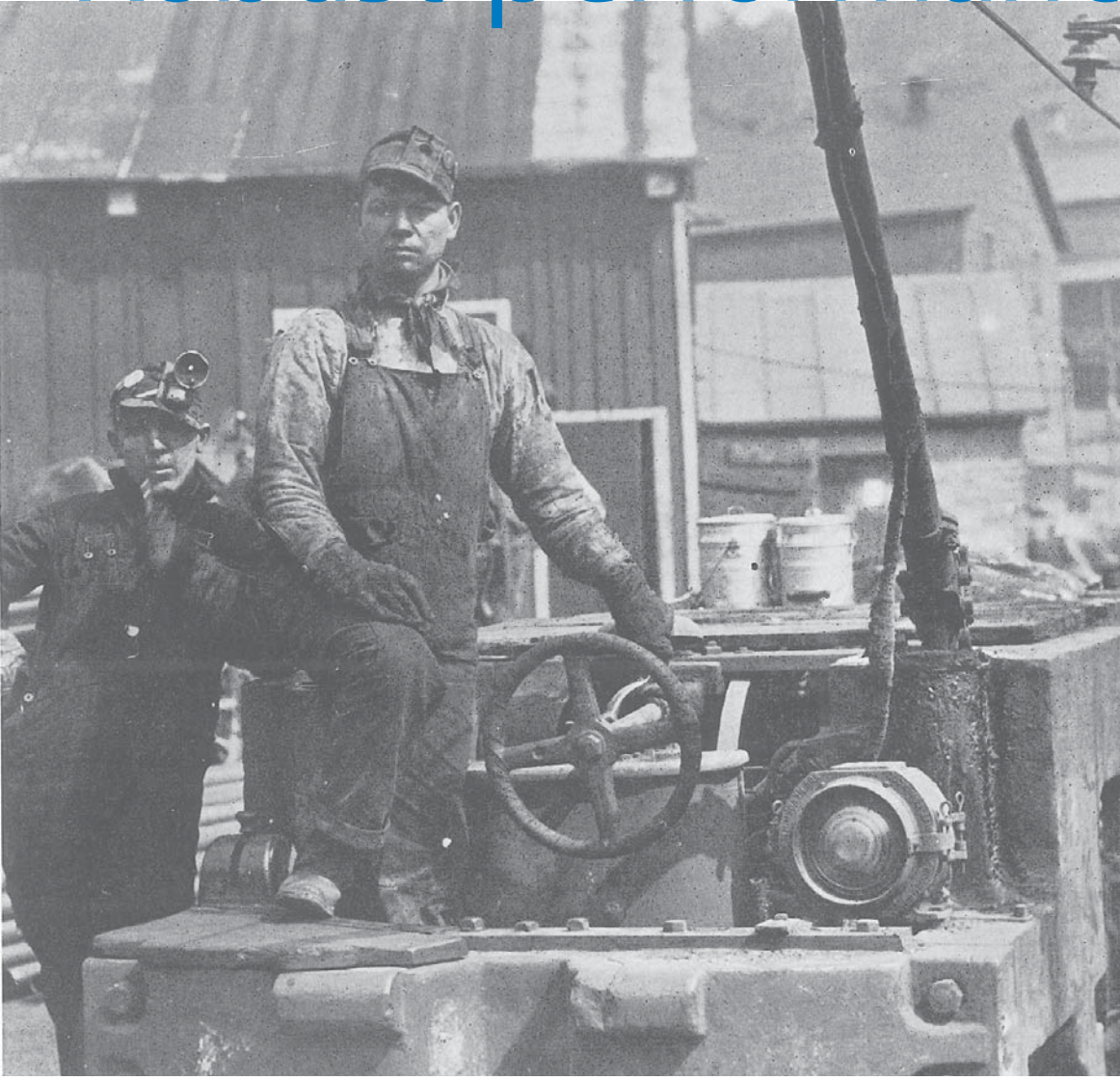- Four Torx® head tamper-proof screws with center pin reject provide additional vandal-proof security

Dimensions
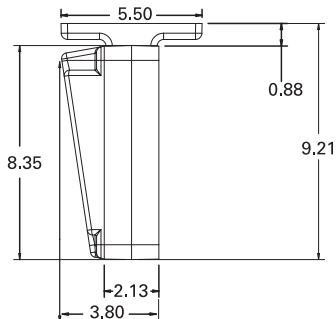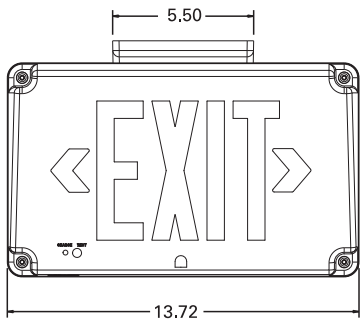
Model Number	Description
CCH UX60	Single sided exit sign (AC only)
CCH UX70	Single sided exit sign (self-diagnostic with battery)

Robust performance above

over 100 years
of proven solutions

and below ground

Crouse-Hinds underground mine train
headlight, patented March 23, 1903

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