

Crouse-Hinds

Eaton's Crouse-Hinds has an LED to meet your needs



Eaton's Crouse-Hinds business offers the broadest portfolio of LED luminaires for any industrial or hazardous application.

Additionally, we utilize more than 100 years of lighting expertise to optimize the benefits of LED technology to offer the safest and most reliable LED luminaire on the market.

Why LED?

Useful Life

 Rated life is up to 60,000 hours of maintenancefree and safe operation

Energy Efficiency

 LED average energy consumption is 50% less than HID and 85% less than incandescent

Start/restart Time

 Instant illumination compared to 10 min restrike time for HID

Light Quality

 Higher color rendering and color temperature compared to HID

Environmental Benefits

- LED reduces carbon footprint
- Mercury-free

Why Crouse-Hinds?

Industry-best Reliability

 Built to withstand extreme temperatures, vibration, water and dust

Thermal Management

 Effective heat sinking ensures longer life

Quality of Light

 Custom optics designed to maximize light distribution and intensity

Retrofit Compatibility

 LED fixtures are compatible with Crouse-Hinds' HID installed base

Selection Guide - Harsh/Heavy & Light Industrial

Area Classification	Application	Product	Equivalent Light Output	Lumen Level	Input Watts	Input Voltage
High/Mid Bay CE/NEC CERTIFIED Low Bay CE/NEC CERTIFIED Vaporgard™ Pro P2L CE/NEC CERTIFIED Champ® Pro PPM CE/NEC CERTIFIED Champ® Champ® CE/NEC CERTIFIED	High/Mid Bay	Pro PVM CE/NEC	9 models - 70W to 1000W HID replacement	3,000 - 25,000 lumens	41W to 232W	100-277 VAC, 347-480 VAC, 108-250 VDC
	Low Bay	Pro P2L CE/NEC	2 models - 100W to 200W incandescent; 50W HID	1,600 lumens	22W	100-277 VAC, 12-24 VDC
	Pro PFM CE/NEC	7 models - 70W to 1500W HID replacement	5,000 - 50,000 lumens	64W to 531W	100-277 VAC, 347-480 VAC, 108-250 VDC	
	Wall Pack	Endure™ NEC CERTIFIED	2 models - 50W to 70W HPS & 70W HID replacement	2,200 - 4,300 lumens	27W to 51W	100-277 VAC
Light Industrial	High Bay	Industrial High Bay NEC CERTIFIED	1 model - 400W MH & 4/6 Lamp T5H0	13,940 Iumens	138W	100-277 VAC, 347-480 VAC

Find out which solution is right for you.

Selection Guide - Hazardous Area

Area Classification	Application	Product	Equivalent Light Output	Lumen Level	Input Watts	Input Voltage
Zone 2 and/or Class I, Division 2	High/Mid Bay	Champ® VMV CE/NEC CERTIFIED	9 models - 70W to 1000W HID replacement	3,000 - 25,000 lumens	41W to 232W	100-277 VAC, 347-480 VAC, 108-250 VDC
	Flood	Champ® FMV CE/NEC CERTIFIED	5 models - 70W to 400W HID replacement	5,000 - 13,000 lumens	64W to 179W	100-277 VAC, 347-480 VAC, 108-250 VDC
	Low Bay	Vaporgard™ CE/NEC CERTIFIED	2 models - 100W to 200W incandescent & 50W HID	1,600 lumens	22W	100-277 VAC, 12-24 VDC
	Linear	LL48 CE/NEC CERTIFIED	2x58W T8/T12 fluorescent replacement	3,500 - 4,300 lumens	56W	100-277 VAC
	High/Mid Bay	EVLL Hazard•Gard® NEC CERTIFIED	5 models - 70W to 400W HID/HPS replacement	5,000 - 13,500 lumens	80W to 175W	100-277 VAC, 347-480 VAC, 108-250 VDC
Zone 1, Zone 21 and/or Class I, Division 1	Exit	Ex-Lite /EXIT CE/NEC CERTIFIED	4 models - Ex-Lite & Ex-Lite N (with battery); EXIT & EXIT N (with battery)	N/A	N/A	120-277 VAC, 110-250 VDC
	Exit	Ex-Lite Z, ZE CE/NEC CERTIFIED	2 models - Ex-Lite Z & Ex-Lite ZE (with battery)	N/A	N/A	120-277 VAC, 110-250 VDC
	Low Bay	EV LED NEC CERTIFIED	2 models - 100W to 200W incandescent & 70W-100W HID replacement	1,500 - 2,000 lumens	26W to 36W	100-277 VAC, 10-30 VDC
	High/Mid Bay	LPL CE CERTIFIED	5 models - 70W to 250W MH replacement	2,840 - 6,294 lumens	60W to 150W	100-277 VAC
	Linear	eLLK CE/NEC CERTIFIED	2 models - 2x18W and 2x36W fluorescent replacement	2,100 - 4,100 lumens	2X13W and 2X26W	110-254 VAC, 110-250 VDC
	Bulkhead	AB05 CE CERTIFIED	1 model - 150W incandescent replacement	2,000 lumens	32W	120-240 VAC
	Low Bay	EV35 CE CERTIFIED	1 model - 100W to 150W incandescent & 50W mercury vapor replacement	2,120 lumens	32W	220-240 VAC

Champ[®] Pro PFM Series LED Floodlights

Primary applications

Indoor and outdoor area lighting in manufacturing plants, mine sites and processing areas, platforms, loading docks and parking areas.

Luminaire models

Model Number	Equivalent HID Luminaire	Typical Energy Savings/Lifetime
PFM5L	100W-150W	
PFM7L	150W-175W	Up to 65%
PFM9L	175W-250W	reduction in
PFM11L	250W-320W	energy costs and 60.000 hours of
PFM13L	320W-400W	continuous
PFM25L	600W-750W	operation!
PFM50L	1,500W	

Certifications & compliances

- UL1598
- UL1598A
- cUL
- CE
- NEMA 4X
- IP66
- UL approved up to 40°C ambient

Electrical ratings

- Voltages: 100-277 VAC, 347/480 VAC, 108-250 VDC
- Input Power: 64W, 89W, 121W, 149W, 179W, 263W, 531W

Options & accessories

- Fused
- Bolt-on Visor
- Bolt-on Wire Guard
- Floodlight Slipfitter
- Slipfitter Wall Mount Adapter
- Polycarbonate Lens





Up to 6 times longer life and 65% reduction in power consumption compared to equivalent HID floodlights

- Versatile design Can be used for outdoor or indoor applications, and for a wide range of mounting heights depending on model and light level requirement.
- Bugged heat sink Designed to perform in high ambient temperatures up to +55°C and as low as -40°C. The thick walls of the castings make for a tough, rugged housing that keeps the internal driver and LED temperatures down.
- **High lumen output -** High efficiency drivers and LED arrays provide reliable low cost operation in harsh and hazardous environments.
- Full-frame yoke Designed to utilize the SFA6 slipfitter and SWB6 wall mount bracket, making it ideal for retrofit or new installations.
- Multiple lens options Tempered and clear glass standard, polycarbonate option available.







PVM3L - 11L



PVM13L and 17L



PVM21L and 25L



Custom Type I, III and V optics for better output, zero maintenance and reduced energy consumption

Design features

- Modular design This contractor-friendly design is ideal for both retrofit and new construction applications.
- Safe, reliable heat transfer Die cast aluminum housing provides safe and effective heat transfer from the LED assembly to the outside environment, ensuring low LED junction temperature, reliability and sustained lumen performance.
- High efficiency drivers Designed to provide reliable operation in even the harshest environments.
- Type 4X rated The LED housing is constructed of durable die cast aluminum, providing an efficient thermal path to the heat sink assembly. The impact-resistant lens is sealed from the outside environment and provides ingress protection against water and dust.
- Custom optics Type I, III and V optics designed to maximize light distribution and intensity.
- Lever-lock connectors and 3-pole terminal block.







Champ[®] Pro PVM Series LED Luminaire

Primary applications

Locations requiring continuous and consistent light levels in extreme ambient temperatures, such as manufacturing plants, mine sites, heavy industrial or petrochemical facilities, food and beverage facilities, marine environments, platforms, loading docks, tunnels, outdoor wall and stanchion mounted general area lighting.

Luminaire models

Model Number	Equivalent HID Luminaire	Typical Energy Savings/Lifetime
PVM3L	70W-100W	
PVM5L	100W-150W	
PVM7L	150W-175W	Up to 77%
PVM9L	175W-250W	reduction in
PVM11L	250W-320W	energy costs and 60.000 hours of
PVM13L	320W-400W	continuous
PVM17L	400W-600W	operation!
PVM21L	600W-750W	
PVM25L	750W-1,000W	

Certifications & compliances

- UL1598
- UL1598A
- cUL
- CE
- NEMA 4X
- IP66
- cUL Listed to CSA Standard CSA C22.2 No. 250
- UL approved up to 55°C ambient

Electrical ratings

- Voltages: 100-277 VAC, 347/480 VAC, 108-250 VDC
- Input Power: 41W, 67W, 94W, 114W, 130W, 168W, 196W, 232W

- Quick Clip
- Diffused Lens
- Teflon Coated Lens
- Polycarbonate Lens
- Wire Guard
- Trunnion Mount
- Cone Top Hat

Endure[™] Pro Series LED Wall Pack

Primary applications

Ideal for a variety of complex non-hazardous applications such as mining, food processing, marine, wastewater treatment, heavy manufacturing and general wash-down areas.

Luminaire models

Model Number	Equivalent HID Luminaire	Typical Energy Savings/Lifetime
FM1 B01	50W	59%
FM1 B02	70W	43%
F0.0	001 6 .:	25.00

50,000 hours of continuous operation!

Certifications & compliances

- UL1598
- cUL
- IP66

Electrical ratings

• Input Power: 27W, 51W





50,000 hours rated life and up to 59% more energy-efficient than equivalent 70 watt HID luminaire

- White light Provides superior color rendering and ambient clarity. Optics are precisely designed to shape the distribution, maximizing efficiency and application spacing.
- **B** Energy efficiency and longer life 50,000 hours rated life and up to 59% more energy-efficient than the 70W high pressure sodium equivalent.
- © Reduction in light pollution Controlled distribution of light means far less light loss.
- IP66 ingress protection rating and -30°C to 50°C ambient temperature rating - Ensures trouble-free operation in a variety of harsh and complex applications.
- Junction box Polycarbonate, IP66 rated, four screws to access cover, double row terminal box to expedite installation.





85% more energy-efficient than a 200 watt incandescent and over 20 times the rated life

Design features

- Domeless reflector, low profile design Designed for low mounting heights and confined spaces where incandescent and HID based luminaires are too large.
- Installation and replacement made simple Installed using the same mounting modules as existing Eaton's Crouse-Hinds Vaporgard™ fixtures.
- © Safe, reliable heat transfer Heat sink engineered to safely and effectively remove heat from the LED and driver, ensuring long product life and superior T-ratings.
- High power multi-die LED arrays Provides instant on and full illumination in the harshest conditions, even when exposed to high, repeated vibration.

Vaporgard[™] Pro P2L Series LED Luminaires

Primary applications

Indoor or outdoor areas with low mounting heights or confined spaces, such as tunnels and catwalks, over doorways or entries, landing areas, utility rooms, etc.

Luminaire models

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

Certifications & compliances

- UL1598
- UL1598A
- cUL
- CE
- NEMA 4X
- IP66

Electrical ratings

- Voltages: 90-264 VAC, 277 VAC, 12-24 VDC
- Input Power: 22W

- Frosted Lens
- Teflon Coated Lens
- High Temperature Option (55°C)
- Brazil (CEPEL) Certification
- Warm White (3000K) and Cool White (5600K) Color Temperatures
- 12 VDC/24 VDC Driver







Industrial High Bay Series LED Luminaires

Primary applications

IHB Series LED Luminaires are the perfect replacement for 400W HID and 4-6 lamp T5HO fluorescent high bay fixtures. Designed for locations requiring continuous and consistent light levels, requiring frequent on-and-off of lights and that are difficult to relamp or that cause production to be stopped during the lamp maintenance process.

Luminaire models

Model Number	Equivalent HID Luminaire	Typical Energy Savings/Lifetime
IHB13L2A/	400W HID	Up to 69% reduction in energy costs and
UNV1	4-6 lamp T5HO fluorescent	60,000 hours of continuous operation!

Certifications & compliances

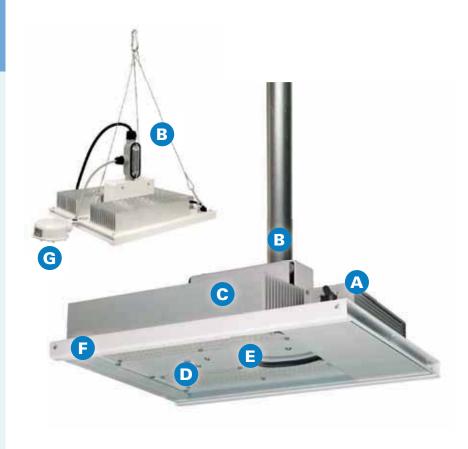
- Meets UL1598 and cUL construction requirements
- UL approved up to 40°C
- Operating Temperature: -30°C to 40°C
- 60,000 hours rated life at 40°C

Electrical ratings

- Voltages: 100-277 V, 347-480 V; 50/60 Hz
- Input Power: 141W (at 120 VAC); 138W (at 277 VAC)

Options & accessories

- Occupancy Sensor Kit
- Hook and Cord Kit
- Driver Replacement Kit
- Polycarbonate Lens





Perfect replacement for 400 watt HID or 4-6 lamp T5HO high bay fixtures

- A High efficiency serviceable drivers.
- B Multiple mounting options Mounting bracket for ¾" pendant mount conduit or hook/cord mounting option.
- **G** Aluminum heat sinks for superior thermal management.
- **D** Two discrete LED boards for uniform illumination.
- Multiple lens options Tempered and clear glass standard, polycarbonate option available.
- Powder-coated, white painted sheet metal body.
- **G** Optional occupancy sensor kit available.



A C F



VMV13L and 17L



VMV21L and 25L

VMV3L - 11L



Custom Type I, III and V optics for better output, zero maintenance and reduced energy consumption

Design features

- Modular design This contractor-friendly design is ideal for both retrofit and new construction applications.
- Safe, reliable heat transfer Die cast aluminum housing provides safe and effective heat transfer from the LED assembly to the outside environment, ensuring low LED junction temperature, reliability and sustained lumen performance.
- High efficiency drivers Designed to provide reliable operation in even the harshest environments.
- **Type 4X rated** The LED housing is constructed of durable die cast aluminum, providing an efficient thermal path to the heat sink assembly. The impact-resistant lens is sealed from the outside environment and provides ingress protection against water and dust.
- Custom optics Type I, III and V optics designed to maximize light distribution and intensity.
- **(F)** Lever-lock connectors and 3-pole terminal block.















Champ[®] VMV Series LED Luminaires

Primary applications

Locations requiring continuous and consistent light levels in extreme ambient temperatures, such as manufacturing plants, heavy industrial or petrochemical facilities, food and beverage facilities, platforms, loading docks, tunnels, outdoor wall and stanchion mounted general area lighting.

Luminaire models

Model Number	Equivalent HID Luminaire	Typical Energy Savings/Lifetime
VMV3L	70W-100W	
VMV5L	100W-150W	
VMV7L	150W-175W	Up to 77%
VMV9L	175W-250W	reduction in
VMV11L	250W-320W	energy costs and 60,000 hours of
VMV13L	320W-400W	continuous
VMV17L	400W-600W	operation!
VMV21L	600W-750W	
VMV25L	750W-1000W	

Certifications & compliances

- · 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

Electrical ratings

- Voltages: 100-277 VAC, 347/480 VAC, 108-250 VDC
- Input Power: 41W, 67W, 94W, 114W, 130W, 168W. 196W. 232W

- Quick Clip
- Diffused Lens
- Teflon Coated Lens
- Polycarbonate Lens
- Wire Guard
- Trunnion Mount
- Cone Top Hat
- Terminal Block (TB6) 6-pole

Champ[®] FMV Series LED Floodlights

Primary applications

Indoor and outdoor area lighting in manufacturing plants, heavy industrial chemical and petrochemical facilities, platforms, loading docks sand parking lots.

Luminaire models

Model Number	Equivalent HID Luminaire	Typical Energy Savings/Lifetime
FMV5L	100W-150W	Up to 62%
FMV7L	150W-175W	reduction in
FMV9L	175W-250W	energy costs and 60,000 hours of
FMV11L	250W-320W	continuous
FMV13L	320W-400W	operation!

Certifications & compliances

- 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
- IECEx UL 11.0054X
- Ex nA nR IICT4 GcTamb -30°C to +55°C
- CEPEL Ex-1956/10
- Ex nA nR IICT5 GcTamb -30°C to +40°C
- Ex tc IIIC T68°C Dc IP66 Tamb -30°C to 40°C
- **C€** DEMKO 12 ATEX 115535X
- ©II 3 G Ex nA nR IIC T4 Gc Tamb -30°C to
- ©II 3 G Ex nA nR IIC T5 Gc Tamb -30°C to +40°C
- ©II 3 D Ex tc IIIC T68°C Dc IP66 Tamb -30°C to +40°C

Electrical ratings

- Voltages: 100-277 VAC, 347/480 VAC, 108-250 VDC
- Input Power: 64W, 89W, 121W, 149W, 179W

Options & accessories

- Fused
- Bolt-on Visor
- Bolt-on Wire Guard
- Floodlight Slipfitter
- Slipfitter Wall Mount Adapter





Up to 6 times longer life and 65% reduction in power consumption compared to equivalent HID floodlights

- Versatile design Suitable for hazardous location use in gas or dust areas. Can be used for outdoor or indoor applications, and for a wide range of mounting heights depending on model and light level requirement.
- B Rugged heat sink Designed to perform in high ambient temperatures up to +55°C and as low as -40°C. The thick walls of the castings make for a tough, rugged housing that keeps the internal driver and LED temperatures down.
- **G** High lumen output High efficiency drivers and LED arrays provide reliable low cost operation in harsh and hazardous environments.
- **D** Full-frame yoke Designed to utilize the SFA6 slipfitter and SWB6 wall mount bracket, making it ideal for retrofit or new installations.















Up to 50% more energy efficient than a 2x58W fluorescent light and 8 times the rated life

Design features

- Versatile design Designed to match the footprint of a traditional linear fluorescent fixture.
- B Energy-efficient Same light pattern and lumen output at a fraction of the energy cost.
- **Better visibility** Diffused lens reduces glare.
- Shock- and vibration-resistant LEDs contain no mercury, eliminating costly lamp disposal programs.
- Slim and low profile Designed for use in confined spaces.

LL48 Linear LED Luminaires

Primary applications

Indoor and outdoor areas with low mounting heights or confined spaces, such as aisles, tunnels and catwalks, over doorways or entries, landing areas, utility rooms, etc.

Luminaire model

Model	Equivalent HID	Typical Energy
Number	Luminaire	Savings/Lifetime
LL48	2 x 58W fluores- cent	Up to 50% reduction in energy costs and 60,000 hours of continuous operation!

Certifications & compliances

- Class I, Division 2, Groups A, B, C, D
- UL844; UL1598; UL1598A
- CSA C22.2 No. 137
- Type 4X, IP66
- IECEx/ATEX Certified

Electrical ratings

• Voltage: 100-277 VAC

Options & accessories

 Multiple mounting accessories, including: ceiling, wall, pole









Vaporgard[™] V2L Series LED Luminaires

Primary applications

Indoor or outdoor areas with low mounting heights or confined spaces, such as tunnels and catwalks, over doorways or entries, landing areas, utility rooms, etc.

Luminaire model

Model Number	Equivalent Luminaire	Typical Energy Savings/Lifetime
	100W-200W incandescent	Up to 85% reduction in
V2L	50W HID	energy costs and 60,000 hours of continuous operation!

Certifications & compliances

- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups F, G
- UL844: UL1598: UL1598A
- CSA C22.2 No. 137
- NEMA 4X
- UL1598; UL1598A
- IP66
- RoHS Compliant
- 🕲 II 3 G Ex nA IIC T4 Gc (T4 at 55°C)
- W II 3 D Ex tc IIIB T69°C Dc IP66
- EN60079-0:2009, EN60079-15:2010, EN60079-31:2009

Electrical ratings

- Voltages: 90-264 VAC, 277 VAC, 12-24 VDC
- Input Power: 22W

Options & accessories

- Frosted Lens
- Teflon Coated Lens
- High Temperature Option (55°C)
- Brazil (CEPEL) Certification
- Warm White (3000K) and Cool White (5600K) Color Temperatures
- 12 VDC/24 VDC Driver





85% more energy-efficient than a 200 watt incandescent and over 20 times the rated life

- A Domeless reflector, low profile design Designed for low mounting heights and confined spaces where incandescent and HID based luminaires are too large.
- B Installation and replacement made simple Installed using the same mounting modules as existing Eaton's Crouse-Hinds Vaporgard™ fixtures.
- Safe, reliable heat transfer Heat sink engineered to safely and effectively remove heat from the LED and driver, ensuring long product life and superior T-ratings.
- High power multi-die LED arrays Provides instant on and full illumination in the harshest conditions, even when exposed to high, repeated vibration.

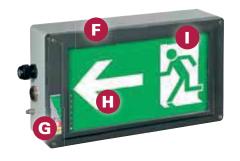




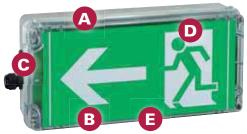














LED exit lighting designed for harsh and hazardous locations

EXIT Lighting design features

- Polycarbonate housing Provides corrosion protection in the most extreme environments and is IP66 rated to protect against dust and moisture ingress
- B Nickel cadmium battery back-up- High temperature rated nickel cadmium back-up battery (EXIT N model)
- Reduced maintenance costs Self-test, monitoring and diagnostics reduce costly maintenance checks.
- **D** IEC standard pictograms
- Power-saving LED technology

Ex-Lite Lighting design features

- Corrosion- and impact-resistant cast aluminum housing Ensures long product life and reliability.
- Mickel cadmium battery back-up High temperature rated nickel cadmium back-up battery (Ex-Lite N and Ex-Lite ZE models)
- **(H) "EXIT" legend with alternative directional arrows -** Left, right or left and right; simple field modification (Ex-Lite Z and Ex-Lite ZE only).
- **IEC standard pictograms (Ex-Lite and Ex-Lite N only)**





LED Exit Luminaires

Primary applications

Used for marking escape routes and exits in potentially explosive atmospheres.

EXIT and Ex-Lite

Luminaire models

Model Number	Rating	Battery
EXIT	Hazardous	No
EXIT N	Hazardous	Yes
Ex-Lite	Hazardous	No
Ex-Lite N	Hazardous	Yes

Certifications & compliances

- SII 2 G Ex e ib mb IIC T4/T5/T6 Gb
- ©II 2 D Ex tb IIIC T80°C Db IP66
- BVS 09 ATEX E 029/BVS 09 ATEX E 048
- Ex e ib mb IIC T4/T5/T6 Gb/Ex tb IIIC T80°C Db
- IECEx BVS 13.0017/ IECEx BVS 13.0016

Electrical ratings

- Voltages: 120-277 VAC, 110-250 VDC
- Power Consumption: 6/8VA

Ex-Lite Z and Ex-Lite ZE Luminaire models

Model Number	Rating	Battery
Ex-Lite Z	Hazardous	No
Ex-Lite ZE	Hazardous	Yes

Certifications & compliances

- · Class I, Division 2, Groups A, B, C, D
- Class I, Zone 1, AEx em ib IIC (NEC)
- Class I, Zone 1, Ex em ib IIC (CEC)
- Class II, Division 2, Groups F, G (NEC)
- Class II, Division 2, Groups E, F, G (CEC)
- IP66
- UL844; UL924/CSA22.2 No. 141-02; UL60079CSA22.2 E60079; UL1203/CSA22.2 E6124-1-1-02

Electrical ratings

- Voltages: 120-277 VAC, 110-250 VDC
- Power Consumption: 6/8VA

Hazard•Gard® EVLL LED Luminaire

Primary applications

Used for general lighting in areas where flammable or explosive vapors or gases are present, such as petroleum refineries, chemical and petrochemical plants, oil terminals, gas plants, drilling platforms and wastewater treatment plants.

Luminaire models

Model Number	Equivalent HID Luminaire	Typical Energy Savings/Lifetime
EVLL5L	100W-150W	Up to 62%
EVLL7L	150W-175W	reduction in
EVLL9L	175W-250W	energy costs and 60,000 hours of
EVLL11L	250W-320W	continuous
EVLL13L	320W-400W	operation!

Certifications & compliances

- Class I, Division 1, Groups B, C, D
- Class I, Zone 1, Groups IIB + H₂, IIB, IIA
- Class II, Groups E, F, G
- Class III, Simultaneous Presence
- UL844; UL1598; UL1598A
- CSA C22.2 No. 137
- Ex II 2G Ex d IIC (Zone 1, 2) (Pending)
- Ex II 2D Ex tD A21 IP66 (Zone 21, 22) (Pending)
- NEMA 4X, IP66

Electrical ratings

 Voltages: 100-277 VAC, 347/480 VAC, 108-250 VDC

Options & accessories

- Trunnion Mount
- Guard
- Color Temperature: Warm White (3000K)*
 *available on 5L-11L models only





Energy-efficient and globally certified explosionproof workhorse for general area and high bay lighting applications

- A Retrofittable to install base Adapter available for connection to existing Hazard Gard® EVI, EVLP and EVM modules.
- Quick-connect design Install and wire the mounting module, then simply screw in the luminaire.
- **G** Factory sealed No external sealing fittings required in Groups B, C and D.
- 60,000 hours rated life Eliminates the need for frequent lamp replacement.
- **Shock- and vibration-resistant -** Solid-state luminaires have no filaments or glass components that could break, greatly reducing the risk of premature failure.









EV LED Luminaire

Primary applications

Indoors or outdoors in process and storage areas, corridors, bridges and stairs.

Luminaire models

Model Number	Equivalent Luminaire	Typical Energy Savings/Lifetime
EVLEDC201	100W-200W incandescent	scent reduction in energy costs and 50,000 hours of
EVLEDC701	70W-100W HID	



Up to 85% reduction in energy costs and 50,000 hours of continuous operation

Design features

- Retrofittable mounting modules Compatible with existing EV Series mounting modules, which reduces retrofit installation time and materials costs, and makes new construction installation easy.
- Dark Sky Compliant light distribution Certified by the International Dark Sky Association as Dark Sky Compliant, virtually no light pollution will escape up into the atmosphere.
- **©** 20 times longer life than incandescents in tough-to-maintain Division 1 locations.

Certifications & compliances

- Class I, Division 1, Groups C, D
- Class I, Zone 1 & 2, Group IIB
- Class II, Groups E, F, G
- Class III; Simultaneous Presence
- UL844; UL1598; UL1598A
- CSA C22.2 No. 137
- Type 4X, IP66

Electrical ratings

- Voltages: 100-277 VAC, 10-30 VDC
- Input Power: 26W, 30W, 36W

- Wildlife Friendly Model Available (Amber)
- Color Temperature: Warm White
- 10-30 VDC









eLLK 92 Linear LED Luminaire

Primary applications

Designed for use in 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 400	2x18W fluorescent	No	Up to 20%
eLLK LED 800	2x36W fluorescent	No	reduction in energy costs
eLLK LED 400 NiB	2x18W fluorescent	Yes	and 60,000 hours of continuous operation!
eLLK LED 800 NiB	2x36W fluorescent	Yes	

Certifications & compliances

- 🕲 II 2G Ex de mb IIC T4 Gb
- 🖾 II 2D Ex tb IIIC T80 °C Db IP66
- BVS 09 ATEX E 034
- Ex de mb IICT4 Gb/Ex tb IIICT80 °C
- IECEx BVS 09.0033
- NEC/CEC pending

Electrical ratings

- Voltages: 110-254 VAC, 110-250 VDC;
- Input Power: 2x13W, 2x26W

Options & accessories

- LED Module 400 (2x13W) for eLLK/M 92 018/18
- LED Module 800 (2x26W) for eLLK/M 92 036/36
- Through Wiring Single/Double Ended
- Cable Glands
 - Ex-e M25 x 1.5 (plastic) for cables 8-17mm in diameter
 - M20 x 1.5 metal threaded





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

- 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.
- Retrofit friendly Retrofits to existing eLLK 92 fixtures with existing EVG 09 ballast or as a complete unit.
- **D Better visibility** Glare minimized by indirect emission from luminaire's built-in reflector.
- **Emergency battery pack** (NiB versions only)













A long-life, energy-efficient luminaire for general area lighting in hazardous IEC applications

Design features

- Robust construction This corrosion-proof fixture offers high quality, shock- and vibration-resistant LEDs, copper-free aluminum housing and an impact-resistant glass globe.
- **B** Excellent thermal management Provides over 50,000 hours of life.
- C Lead-free and environmentally-friendly.





LPL General Area LED Luminaire

Primary applications

Suitable for Zone 1 and Zone 2 Ex-Gas and Zone 21/22 Ex-Dust hazardous areas, such as heavy industrial, chemical, petrochemical or pharmaceutical facilities, platforms, shipyards, electric power, loading docks, wastewater treatment plants and paper mills.

Luminaire models

Model Number	Equivalent HID Luminaire	Typical Energy Savings/Lifetime
LPL04- C60-60W	70W-100W	
LPL04- C60-85W	150W	Up to 40% reduction in
LPL04- C60-100W	175W	energy costs and 60,000 hours of
LPL04- C60-125W	175-250W	continuous operation!
LPL04- C60-150W	250W	

Certifications & compliances

- Class I, Division 2, Groups A, B, C, D
- 😡 II 2 G Ex d e IIC T6 Gb
- □ II 2 D Ex tb IIIC T80°C Db IP66
- EC-type Exam Certification: DNV 11 ATEX 06805X
- IECEx Certificate of Conformity: IECEx-CM 12.0007X
- IP66
- Zones 1 and 2 (Ex-Gas)
- Zones 21 and 22 (Ex-Dust)

Electrical ratings

- Voltage: 100-277 VAC
- Input Power: 60W, 85W, 100W, 125W, 150W

- Warm White Color Temperature (3300K)
- Pole Mount Accessories

EV35 LED Luminaire

Primary applications

Indoors or outdoors in process and storage areas, corridors, bridges and stairs.

Luminaire models

Model Number	Equivalent Luminaire	Typical Energy Savings/Lifetime
EV35	100W-150W Incandescent	78%
	50W HID	40%
60 000 hours of continuous operation.		

Certifications & compliances

• Group II 2 GD (Zone 1)

• Gas: Ex d IIC T6 Gb

• Dust: Ex t IIIC T85°C Db

• Certificate: LOM 10 ATEX 2075

IP66

Electrical ratings

Voltages: 220-240VInput Power: 22W

Options & accessories

- Internal high polished aluminum reflector for down light applications
- Direct entries or indirect entries via Connection Box

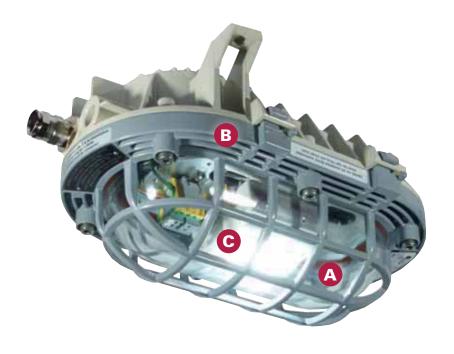




Up to 78% more energy-efficient than a 150 watt incandescent and over 20 times the rated life

- Wide ambient temperature range from -40°C to +55°C Allows installation and safe use in nearly every climatic condition.
- B High power LED module Provides instant on and full illumination in the harshest conditions, even when exposed to high, repeated vibration.
- © Safe, reliable heat transfer Heat sink connected to copper-free aluminum housing to safely and effectively remove heat from the LED module and driver, therefore offering a T-rating of T6.





AB05 Marine **LED Luminaire**

Primary applications

Perfect for confined or restricted spaces, such as stairwells, storage areas and corridors that require consistent light.

Luminaire models

Model Number	Equivalent Luminaire	Typical Energy Savings/Lifetime
AB05	150W incandescent	Up to 80%
60 000 hours of continuous operation!		



Up to 6 times longer life and 65% reduction in power consumption compared to equivalent HID floodlights

Design features

- A Shock- and vibration-resistant Durable vibration-resistant LEDs decrease maintenance costs.
- B Lightweight enclosure Robust light alloy enclosure weighs only 7.0 kg, allowing the user to mount in areas where the available space is restricted, and making installation fast and easy.
- C Instant illumination and restrike Decreases facility downtime; no warm-up time required.

Certifications & compliances

- Zone 1, 2, 21, 22
- Ex d IIB T6
- II 2 G Ex d IIB T6/T5 Gb
- 🖾 II 2 D Ex tb IIIC T80°C/T100°C Db
- Certificate BVS 09 ATEX E 014 X
- IP66

Electrical ratings

 Voltage: 120-240 VAC • Input Power: 22W



U.S. (global headquarters): **Eaton's Crouse-Hinds business**

1201 Wolf Street Syracuse, NY 13208

(866) 764-5454 FAX: (315) 477-5179 FAX Orders Only: (866) 653-0640

crouse.customerctr@ cooperindustries.com

www.crouse-hinds.com

For more information:

If further assistance is required, please contact an authorized Eaton Distributor, Sales Office, or Customer Service Department.

Canada

Toll Free: 800-265-0502 FAX: (800) 263-9504 FAX Orders only: (866) 653-0645

Mexico/Latin America/Caribbean

52-555-804-4000 FAX: 52-555-804-4020 mxmercadotecnia@

cooperindustries.com

Europe (Germany)

49 (0) 6271 806-500 49 (0) 6271 806-476 sales.CCH.de@ cooperindustries.com

Middle East (Dubai)

971 4 4272500 FAX: 971 4 4298521 sales.CCH.me@ cooperindustries.com

Singapore

65-6645-9888 FAX: 65-6297-4819 chsi-sales@ cooperindustries.com

China

86-21-2899-3600 FAX: 86-21-2899-4055 cchsales@ cooperindustries.com

Korea

82-2-3484-6783 82-2-3484-6778 CCHK-sales@ cooperindustries.com

Australia

61-2-8787-2777 FAX: 61-2-9609-2342 CEASales@ cooperindustries.com

India

91-124-4683888 FAX: 91-124-4683899 cchindia@ cooperindustries.com

Eaton EMEA Headquarters Route de la Longeraie 7 1110 Morges, Switzerland Eaton.eu

Eaton's Crouse-Hinds business

1201 Wolf Street Syracuse, NY 13208

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