

LED lighting solutions

Safe. Reliable. Efficient.

LED solutions by Eaton's Crouse-Hinds



Crouse-Hinds
by **EATON**

No matter the area or application Eaton's Crouse-Hinds has an LED to meet your needs



Eaton's Crouse-Hinds 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

- Economic life can range anywhere between 60,000 to 170,000 hours or 7 to 20 years of maintenance-free and safe operation

Energy Efficiency

- LED consumes on average 50% less energy than HID and 85% less energy than incandescent

Start/Restart Time

- Nanoseconds versus ~10 minutes (HID)

Lighting Quality

- No wasted light. LEDs are directional and deliver maximum light to the task

Environmental Benefits

- LED reduces carbon footprint
- Mercury-free fixtures means no disposal costs

Why Crouse-Hinds?

Industry-best Reliability

- Built to withstand extreme temperatures, high vibration, water and dust

Thermal Management

- Engineered heat sinking ensures longer life and better lumen output

Quality of Light

- Custom optics designed to maximize light distribution and intensity










Retrofit Compatibility

- LEDs compatible with Crouse-Hinds HID installed base for significant installation savings

Certified and Compliant
















- Global certifications on most fixtures and a broad range of DLC qualified luminaires

Selection Guide – Harsh/Heavy & Light Industrial

Area Classification	Application	Product	Equivalent Light Output	Lumen Level	Input Watts	Input Voltage	DLC Qualified
Harsh/Heavy Industrial	High/Mid Bay	Champ® Pro PVM NEC/IEC 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	 (select models)
	Low Bay	Vaporgard™ Pro P2L NEC/IEC CERTIFIED 	2 models - 100W to 200W incandescent; 50W HID	1,600 lumens	22W	100-277 VAC, 12-24 VDC	 (select models)
	Flood	Champ® Pro PFM NEC/IEC CERTIFIED 	7 models - 70W to 1500W HID replacement	5,000 - 50,000 lumens	64W to 531W	100-277 VAC, 347-480 VAC, 108-250 VDC	 (select models)
	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	N/A
Light Industrial	High Bay	Industrial High Bay NEC CERTIFIED 	1 model - 400W MH & 4/6 Lamp T5HO	13,940 lumens	138W	100-277 VAC, 347-480 VAC	 (select models)

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	DLC Qualified
Class I, Division 2 and/or Zone 2	High/Mid Bay	Champ® VMV  NEC/IEC 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	 (select models)
	Flood	Champ® FMV  NEC/IEC 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	 (select models)
	Low Bay	Vaporgard™  NEC/IEC CERTIFIED	2 models - 100W to 200W incandescent & 50W HID	1,600 lumens	22W	100-277 VAC, 12-24 VDC	 (select models)
	Linear	LL48  NEC/IEC CERTIFIED	2x58W T8/T12 fluorescent replacement	3,500 - 4,300 lumens	56W	100-277 VAC	N/A
	Emergency	Light-Pak™ N2LPS  NEC CERTIFIED	3 hours of battery with 28W power consumption	N/A	28W	120, 220, 230, 240, 277 VAC	N/A
	Exit	Ex-Lite/CCH UX  NEC/IEC CERTIFIED	3 models - Ex-Lite Z & Ex-Lite ZE (with battery) and CCH UX	N/A	N/A	120-277 VAC, 110-250 VDC	N/A
Class I, Division 1 and/or Zone 1 Zone 21	High/Mid Bay	EVLL Hazard•Gard®  NEC/IEC 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	N/A
	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	N/A
	High/Mid Bay	LPL  IEC CERTIFIED	5 models - 70W to 250W MH replacement	2,840 - 6,294 lumens	60W to 150W	100-277 VAC	N/A
	Linear	eLLK  NEC/IEC CERTIFIED	2 models - 2x18W and 2x36W fluorescent replacement	2,100 - 4,100 lumens	2X13W and 2X26W	110-254 VAC, 110-250 VDC	N/A
	Bulkhead	AB05  IEC CERTIFIED	1 model - 150W incandescent replacement	2,000 lumens	32W	120-240 VAC	N/A
	Low Bay	EV35  IEC CERTIFIED	1 model - 100W to 150W incandescent & 50W mercury vapor replacement	2,120 lumens	32W	220-240 VAC	N/A

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	Up to 65% reduction in energy costs and 60,000 hours of continuous operation!
PFM7L	150W-175W	
PFM9L	175W-250W	
PFM11L	250W-320W	
PFM13L	320W-400W	
PFM25L	600W-750W	
PFM50L	1,500W	

CERTIFICATIONS & COMPLIANCES

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

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



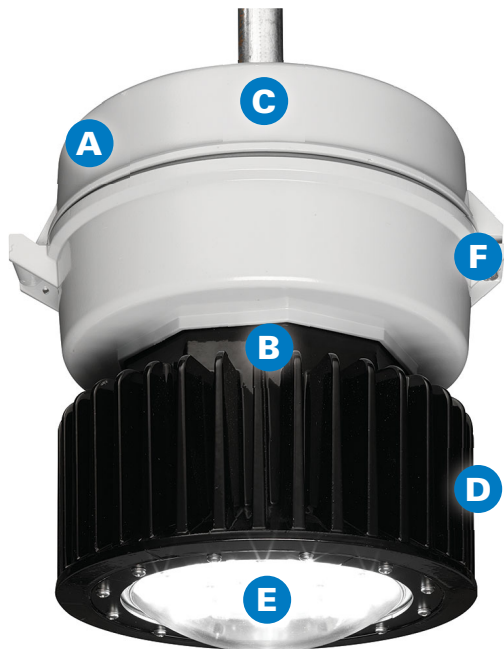
Up to 6 times longer life and 65% reduction in power consumption compared to equivalent HID floodlights

DESIGN FEATURES

- A 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.
- 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.
- C 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.
- E Multiple lens options** - Tempered and clear glass standard, polycarbonate option available.



Champ® Pro PVM Series LED Luminaire



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

- A Modular design** - This contractor-friendly design is ideal for both retrofit and new construction applications.
- B 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.
- C High efficiency drivers** - Designed to provide reliable operation in even the harshest environments.
- D 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.
- E Custom optics** - Type I, III and V optics designed to maximize light distribution and intensity.
- F Lever-lock connectors and 3-pole terminal block.**



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	Up to 77% reduction in energy costs and 60,000 hours of continuous operation!
PVM5L	100W-150W	
PVM7L	150W-175W	
PVM9L	175W-250W	
PVM11L	250W-320W	
PVM13L	320W-400W	
PVM17L	400W-600W	
PVM21L	600W-750W	
PVM25L	750W-1,000W	

CERTIFICATIONS & COMPLIANCES

- UL1598
- UL1598A
- cUL
- NEMA 4X
- IP66
- DesignLights Consortium® approved for select models
- cUL Listed to CSA Standard CSA C22.2 No. 250
- IEC standard: CE
- 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

OPTIONS AND ACCESSORIES

- 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%

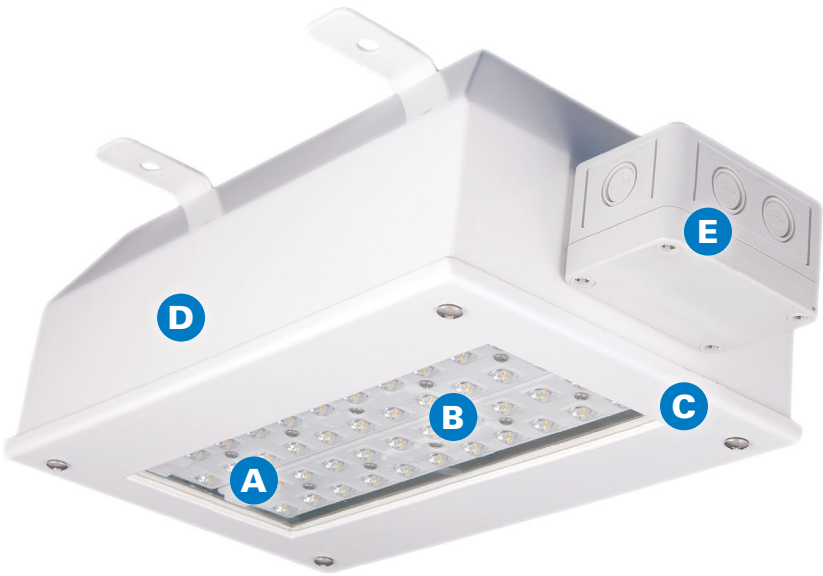
50,000 hours of continuous operation!

CERTIFICATIONS & COMPLIANCES

- UL1598
- cUL
- IP66

ELECTRICAL RATINGS

- Input Power: 27W, 51W

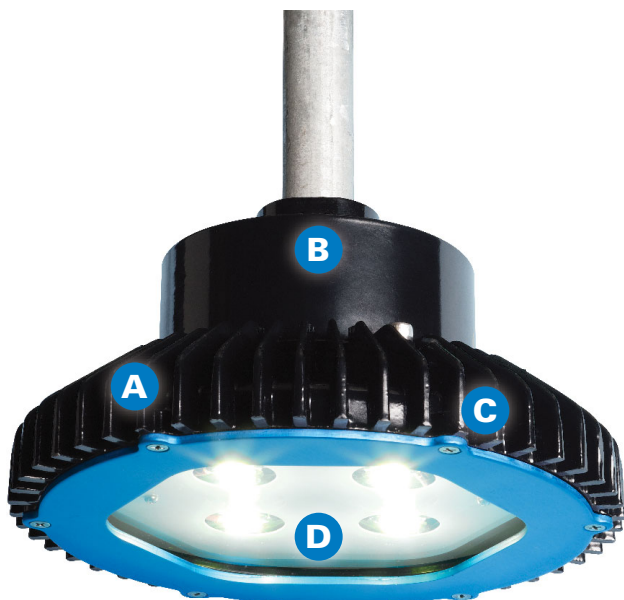


50,000 hours rated life and up to 59% more energy-efficient than equivalent 70 watt HID luminaire

DESIGN FEATURES

- A 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.
- C Reduction in light pollution** - Controlled distribution of light means far less light loss.
- D 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.
- E 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

- 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.
- C 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.
- D 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% reduction in energy costs and 60,000 hours of continuous operation!
P2LW/UNV1	50W HID or 100-200W incandescent	
P2LC/DC1		
P2LW/DC1		

CERTIFICATIONS & COMPLIANCES

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

ELECTRICAL RATINGS

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

OPTIONS AND 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

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 MODEL

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

CERTIFICATIONS & COMPLIANCES

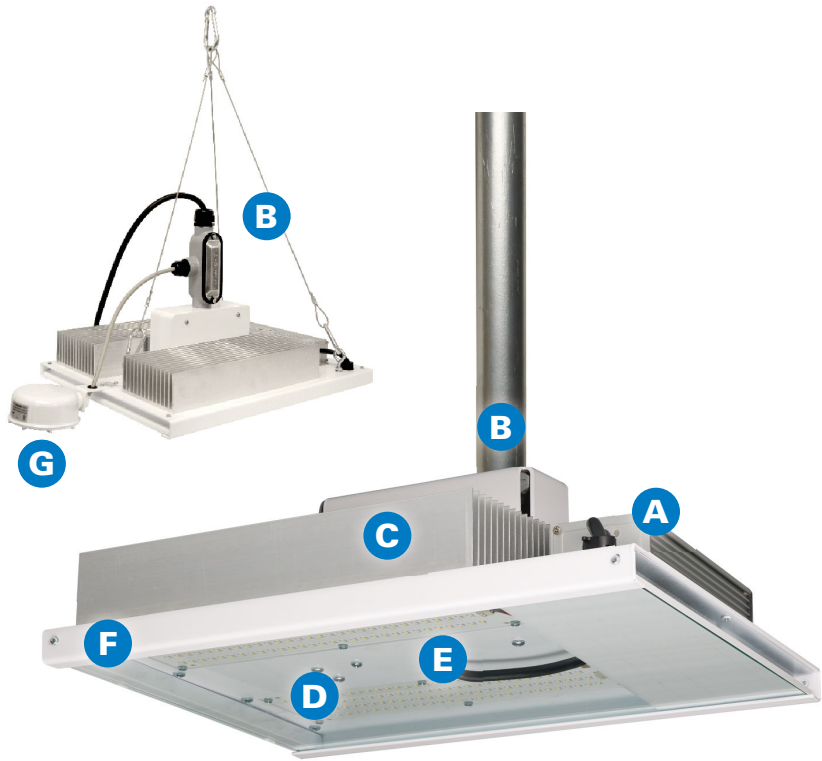
- Meets UL1598 and cUL construction requirements
- UL approved up to 40°C
- Operating Temperature: -30°C to 40°C
- 60,000 hours rated life at 40°C
- DesignLights Consortium® approved for select models

ELECTRICAL RATINGS

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

OPTIONS AND 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

DESIGN FEATURES

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



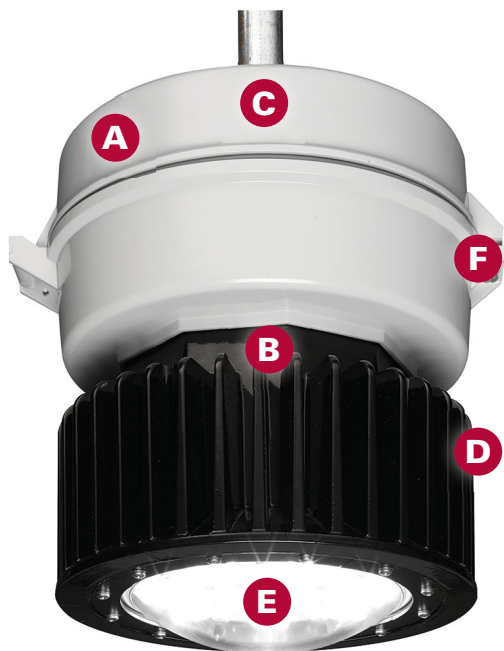
Champ® VMV Series LED Luminaires

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	Up to 77% reduction in energy costs and 60,000 hours of continuous operation!
VMV5L	100W-150W	
VMV7L	150W-175W	
VMV9L	175W-250W	
VMV11L	250W-320W	
VMV13L	320W-400W	
VMV17L	400W-600W	
VMV21L	600W-750W	
VMV25L	750W-1000W	



VMV3L – 11L



VMV13L and 17L



VMV21L and 25L



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

DESIGN FEATURES

- A Modular design** - This contractor-friendly design is ideal for both retrofit and new construction applications.
- B 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.
- C High efficiency drivers** - Designed to provide reliable operation in even the harshest environments.
- D 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.
- E Custom optics** - Type I, III and V optics designed to maximize light distribution and intensity.
- F Lever-lock connectors and 3-pole terminal block.**

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
- DesignLights Consortium® approved for select models

ELECTRICAL RATINGS

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

OPTIONS AND ACCESSORIES

- 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 and parking lots.

LUMINAIRE MODELS

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

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 IIC T4 Gc Tamb -30°C to +55°C
- CEPEL Ex-1956/10
- Ex nA nR IIC T5 Gc Tamb -30°C to +40°C
- Ex tc IIC T68°C Dc IP66 Tamb -30°C to 40°C
- CE DEMKO 12 ATEX 115535X
- EII 3 G Ex nA nR IIC T4 Gc Tamb -30°C to +55°C
- EII 3 G Ex nA nR IIC T5 Gc Tamb -30°C to +40°C
- EII 3 D Ex tc IIC 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 AND 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

DESIGN FEATURES

- A 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.
- C 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.



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 Number	Equivalent HID Luminaire	Typical Energy Savings/Lifetime
LL48	2 x 58W fluorescent	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

ELECTRICAL RATINGS

- Voltage: 100-277 VAC

OPTIONS AND ACCESSORIES

- Multiple mounting accessories, including: ceiling, wall, pole



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

DESIGN FEATURES

- A 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.
- C Better visibility** - Diffused lens reduces glare.
- D Shock- and vibration-resistant** - LEDs contain no mercury, eliminating costly lamp disposal programs.
- E Slim and low profile** - Designed for use in confined spaces.



Vaporgard™ LED Series Luminaire

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
V2L	100W-200W incandescent	Up to 85% reduction in energy costs and 60,000 hours of continuous operation!
	50W HID	

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)
- Ⓢ II 3 D Ex tc IIIB T69°C Dc IP66
- EN60079-0:2009, EN60079-15:2010, EN60079-31:2009
- DesignLights Consortium® approved for select models

ELECTRICAL RATINGS

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

OPTIONS AND 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

DESIGN FEATURES

- 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.
- C 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.
- D High power multi-die LED arrays** - Provides instant on and full illumination in the harshest conditions, even when exposed to high, repeated vibration.



LED Emergency and Exit Luminaires

Light-Pak™ N2LPS Emergency Lighting PRIMARY APPLICATIONS

Used to provide reliable illumination for egress areas during failure or interruption of power to the normal lighting system.

LUMINAIRE MODEL

Model Number	Battery Life
N2LPS	3 hours

CERTIFICATIONS & COMPLIANCES

- Class I, Division 2, Groups B, C, D
- Class I, Zone 2
- UL844; UL924; UL1598A
- C22.2 No. 141-M1985; C22.2 No. 137-M1981
- Life Safety Code NFPA101® - Section 5-9
- Type 4X

ELECTRICAL RATINGS

- Power Supply Input: 120, 220, 230, 240, 277 sVAC; 28W max.

LED Exit Signs

PRIMARY APPLICATIONS

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

LUMINAIRE MODELS

Model Number	Rating	Battery
Ex-Lite Z	Hazardous	No
Ex-Lite ZE	Hazardous	Yes
CCH UX	Industrial/Hazardous	Optional

CERTIFICATIONS & COMPLIANCES

Ex-Lite:

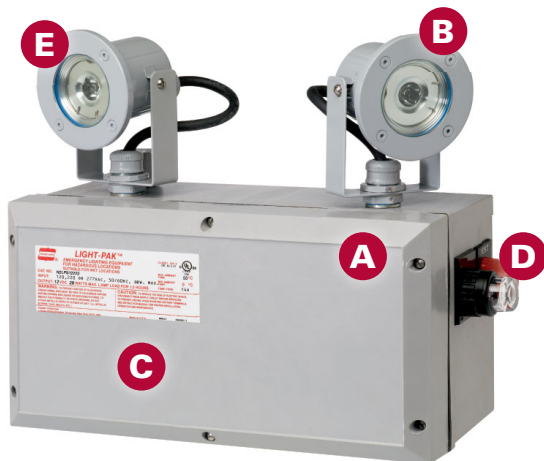
- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 1, AEx em ib IIC (NEC)
- Class I, Zone 1, Ex em ib IIC (CEC)
- Class II, Division 2, Groups F, G (NEC)
- Class II, Division 2, Groups E, F, G (CEC)
- IP66
- UL844; UL924/CSA22.2 No. 141-02; UL60079CSA22.2 E60079; UL1203/CSA22.2 E6124-1-1-02

CCH UX:

- NEMA 4X; UL50
- UL924 Wet Location
- IP65; IP66
- Class I, Division 2, Groups A, B, C, D

ELECTRICAL RATINGS

- Voltages: 120-277 VAC, 110-250 VDC (Ex-Lite only)
- Power Consumption: 6VA



LED egress, emergency and exit lighting designed for harsh and hazardous locations



N2LPS DESIGN FEATURES

- A Non-metallic, enclosed, gasketed housing** - Provides corrosion protection in the most extreme environments.
- B Durable and marine rated LED lamp head assemblies** - Provide protection against water ingress, corrosion and impact.
- C Nickel cadmium battery** - High temperature rated nickel cadmium battery for reliable operation up to 55°C ambient.
- D Reduced maintenance costs** - Self-test, monitoring and diagnostics reduce costly maintenance checks.
- E Remote mountable lamp heads** - Lamp heads can be mounted independently from the enclosure, allowing you to focus light where you need it.

Exit Lighting DESIGN FEATURES

- F Corrosion- and impact-resistant housing** - Ensures long product life and reliability.
- G Nickel cadmium battery** - Premium heavy duty nickel cadmium battery with 24-hour charge and recharge time increases safety by recovering quickly from an outage.
- H "EXIT" legend with alternative directional arrows** - Left, right or left and right; simple field modification (Ex-Lite only).



Emergency & exit lighting



Exit lighting only

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% reduction in energy costs and 60,000 hours of continuous operation!
EVLL7L	150W-175W	
EVLL9L	175W-250W	
EVLL11L	250W-320W	
EVLL13L	320W-400W	

CERTIFICATIONS & COMPLIANCES

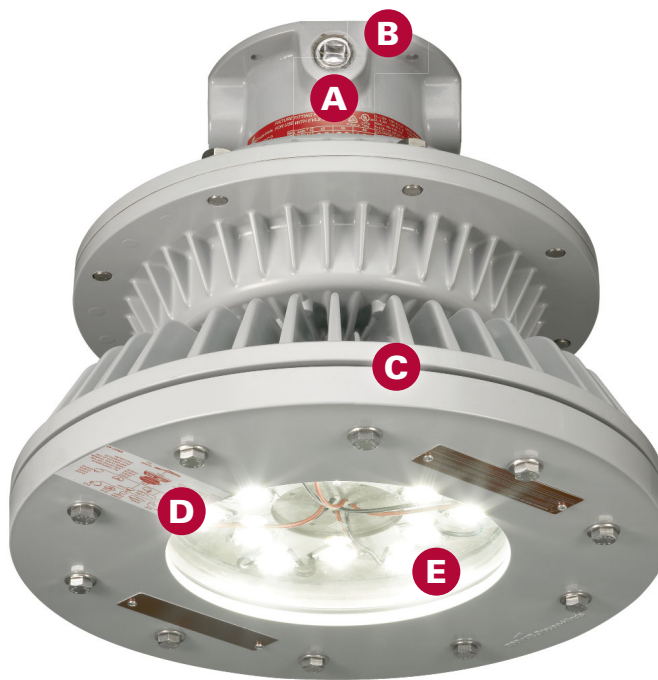
- Class I, Division 1, Groups B, C, D
- Class I, Zone 1, Groups IIB + H₂, IIB, IIA
- Class II, Groups E, F, G
- Class III, Simultaneous Presence
- UL844; UL1598; UL1598A
- CSA C22.2 No. 137
- Ex II 2G Ex d IIC (Zone 1, 2) (Pending)
- Ex II 2D Ex tD A21 IP66 (Zone 21, 22) (Pending)
- NEMA 4X, IP66

ELECTRICAL RATINGS

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

OPTIONS AND 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

DESIGN FEATURES

- A Retrofittable to install base** - Adapter available for connection to existing Hazard•Gard® EVI, EVLP and EVM modules.
- B Quick-connect design** - Install and wire the mounting module, then simply screw in the luminaire.
- C Factory sealed** - No external sealing fittings required in Groups B, C and D.
- D 60,000 hours rated life** - Eliminates the need for frequent lamp replacement.
- E 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	Up to 85% reduction in energy costs and 50,000 hours of continuous operation!
EVLEDC701	70W-100W HID	

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

OPTIONS AND ACCESSORIES

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



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

DESIGN FEATURES

- A Retrofittable mounting modules** - Compatible with existing EV Series mounting modules, which reduces retrofit installation time and materials costs, and makes new construction installation easy.
- B 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.
- C 20 times longer life than incandescents in tough-to-maintain Division 1 locations.**



eLLK

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	Typical Energy Savings/Lifetime
eLLK LED 400	2x18W fluorescent	Up to 20% reduction in energy costs and 60,000 hours of continuous operation!
eLLK LED 800	2x36W fluorescent	

CERTIFICATIONS & COMPLIANCES

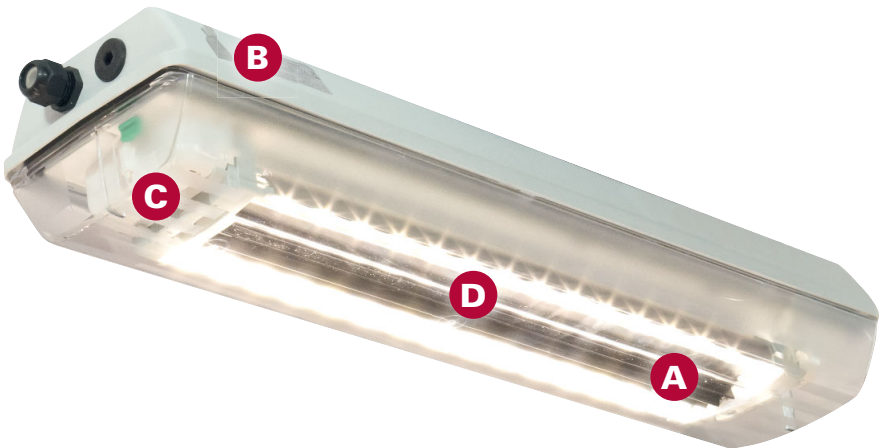
- II 2G Ex de mb IIC T4 Gb
- II 3G Ex tb IIIC T80 °C Db IP66
- BVS 09 ATEX E 034
- de mb IIC T4 Gb/Ex tb IIIC T80 °C
- IECEx BVS 09.0033

ELECTRICAL RATINGS

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

OPTIONS AND ACCESSORIES

- LED Module 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

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/nLLK 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.



IEC

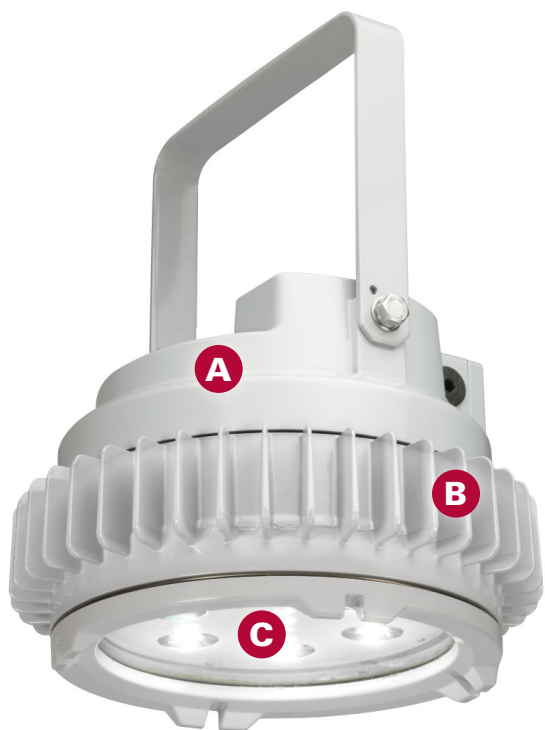


NEC



CEC

LPL General Area LED Luminaire



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

DESIGN FEATURES

- A 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.**



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	Up to 40% reduction in energy costs and 60,000 hours of continuous operation!
LPL04-C60-85W	150W	
LPL04-C60-100W	175W	
LPL04-C60-120W	175-250W	
LPL04-C60-150W	250W	

CERTIFICATIONS & COMPLIANCES

- Class I, Division 2, Groups A, B, C, D
- Ex II 2 GD Ex d e IIC T6 Gb
- Ex II 2 GD 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

OPTIONS AND ACCESSORIES

- 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: 220-240V
- Input Power: 32W

OPTIONS AND 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

DESIGN FEATURES

- A 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.
- C 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

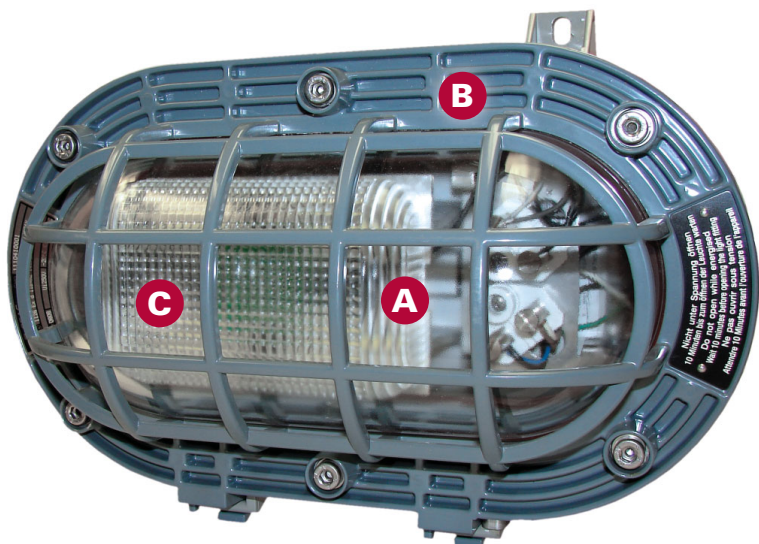
Model Number	Equivalent Luminaire	Typical Energy Savings/Lifetime
AB05	150W incandescent	Up to 80%
60,000 hours of continuous operation!		

CERTIFICATIONS & COMPLIANCES

- Zone 1, 2, 21, 22
- Ex d IIB T6
- Ex II 2 G Ex d IIB T6/T5 Gb
- Ex 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: 32W



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.



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