



INDUSTRIAL LIGHTING

LED VAPOR TIGHT FIXTURE

24W TO 95W | UP TO 13,254 LM | 120° BEAM

SEALED PERFORMANCE FOR HARSH ENVIRONMENTS.

Uniform, efficient illumination for high-moisture and demanding industrial spaces.

H2LIGHTING.NET





LED Vapor Tight Fixture

H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

INDUSTRIAL LIGHTING



SEALED LINEAR PLATFORM

Designed for ceiling or suspended mounting in harsh and high-moisture environments. The aluminum and polycarbonate construction, stainless-steel clips and integrated driver create a durable, efficient linear lighting platform.

COMMON TECHNICAL DATA

INPUT VOLTAGE

100-277 VAC

FREQUENCY

50/60 Hz

EFFICACY

More than 135 lm/W

CRI

More than 80

POWER FACTOR

More than 0.95

BEAM ANGLE

120°

RATED LIFE

50,000 hours

AMBIENT

-30°C to 50°C

KEY ADVANTAGES

Ceiling or suspended mounting

Uniform light distribution

Stainless-steel clips

Integrated constant-current driver

High-moisture applications

Optional impact-resistant lens additive



LED Vapor Tight Fixture

H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

MODEL SCHEDULE

MODEL PERFORMANCE

H2 REFERENCE	POWER	LUMINOUS OUTPUT	SIZE (L x W x H)
H2-VT-24N	24W	3,503 lm	126.8 x 10 x 11.5 cm
H2-VT-24S	24W	3,509 lm	123.2 x 8.5 x 7.1 cm
H2-VT-35N	35W	4,918 lm	126.8 x 16.5 x 11.5 cm
H2-VT-48W	48W	6,821 lm	66.8 x 44.1 x 11.5 cm
H2-VT-50S	50W	6,843 lm	123 x 10.4 x 7.8 cm
H2-VT-72W	72W	10,214 lm	127 x 26.4 x 11.5 cm
H2-VT-95W	95W	13,254 lm	127 x 44.1 x 11.5 cm

AVAILABLE COLOR TEMPERATURES

2700K / 3000K / 3500K / 4000K / 4500K / 5000K / 5700K



SYSTEM CHARACTERISTICS

HOUSING	Aluminum and polycarbonate sealed construction.	DIFFUSER	Prismatic polycarbonate lens for broad, uniform illumination.
RETAINERS	Stainless-steel clips secure the lens and support service access.	LED PLATFORM	SMT 2835 LED source with integrated constant-current driver.
COLOR QUALITY	More than 80 CRI with four-step color consistency.	POWER SYSTEM	Greater than 90% power efficiency and greater than 0.95 power factor.
SERVICE LIFE	50,000-hour rated operating life.	CERTIFICATIONS	UL, cUL and FCC certified per source specification.



FIXTURE ENVELOPES

NARROW BODY

H2-VT-24N / H2-VT-24S / H2-VT-35N



16.5 cm W
11.5 cm H



126.8 cm length

COMPACT WIDE

H2-VT-48W



44.1 cm W
11.5 cm H



66.8 cm length

SLIM BODY

H2-VT-50S



10.4 cm W
7.8 cm H



123 cm length

HIGH-OUTPUT WIDE

H2-VT-72W / H2-VT-95W



44.1 cm W
11.5 cm H



127 cm length

DIMENSION NOTE

Dimensions shown are nominal L x W x H values extracted from the source model schedule.



HAZARDOUS LOCATION

MV01 REMOTE AREA LIGHT

UP TO 1,600 LM | UP TO 10 HOURS | 125° BEAM

PORTABLE. RECHARGEABLE. INTRINSICALLY SAFE.

Compact deployable illumination for confined spaces, remote work sites and classified hazardous locations.



[H2LIGHTING.NET](https://h2lighting.net)



PORTABLE LIGHTING PLATFORM

The MV01 combines a compact high-visibility enclosure, retractable mast and 360° rotating lamp head. Dual operating levels, a flashing mode and a visible low-battery warning support demanding field work.

CORE PERFORMANCE

STRONG-LIGHT OUTPUT

1,600 lm

WORK-LIGHT OUTPUT

7500 lm

POWER RANGE

5W-19.5W

BEAM ANGLE

125°

CCT RANGE

3000K-6500K

MODES

High / Low / Flashing

RUNTIME

5 h high / 10 h low

AMBIENT

-20°C to 40°C (-4°F to 104°F)

APPLICATIONS



Confined spaces



Emergency response



Industrial maintenance



Night work



Hazardous locations



Remote work sites



HAZARDOUS-LOCATION MARKINGS

ATEX	II 1G Ex ia IIC T4 Ga
IECEX	Ex ia IIC T4 Ga
UL 913	Class I, Division 1, Groups A, B, C and D, T4
North American Zone	Class I, Zone 0, AEx ia IIC T4 Ga
Ex marking	Ex ia IIC T4 Ga
INTRINSIC SAFETY	Designed for portable operation in flammable and explosive atmospheres covered by the listed markings.



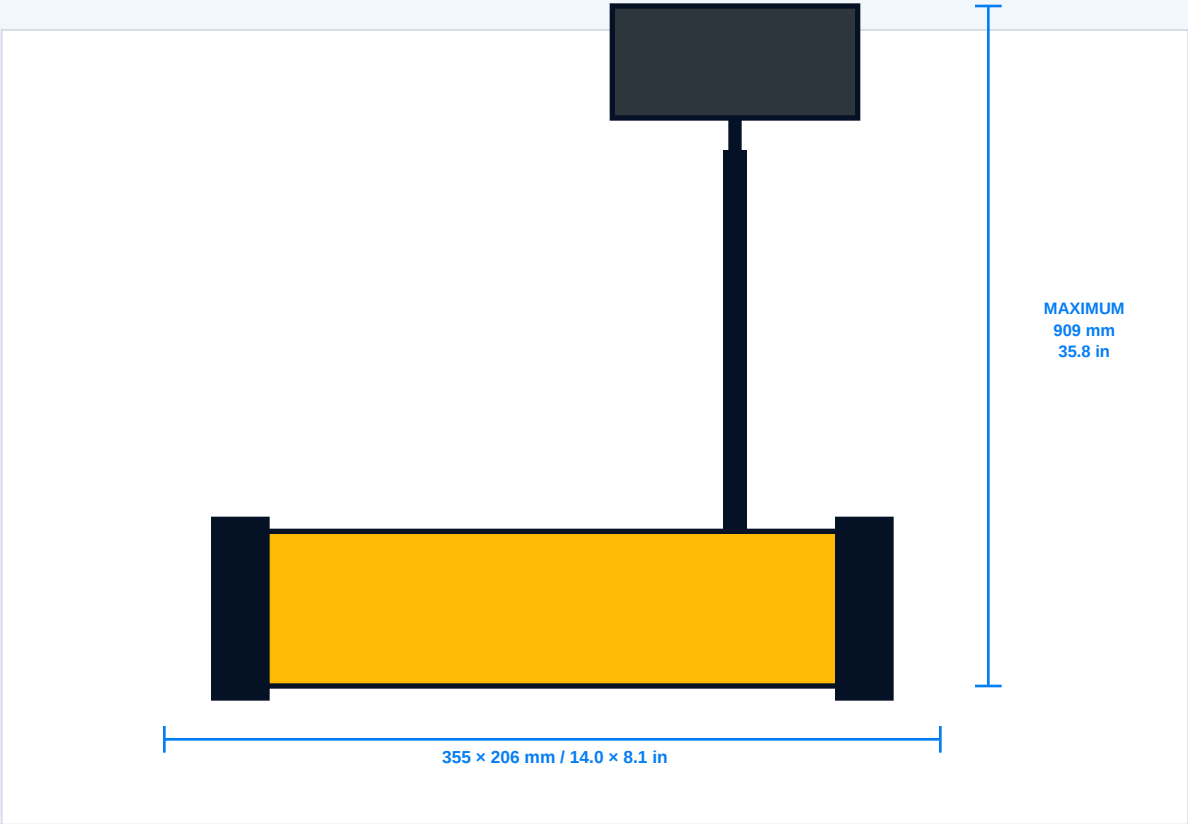
BATTERY & CHARGING

BATTERY CHEMISTRY	Nickel-metal hydride (Ni-MH)	BATTERY CAPACITY	10.8V, 9Ah
BATTERY LIFE	500 cycles	CHARGE TIME	7 h at 1.8A / 14 h at 0.9A
CHARGE VOLTAGE	DC 10.8V~14.4V	CHARGER INPUT	AC 100~240V
LOW-BATTERY ALERT	At 30 minutes remaining; indicator flashes 30 times every 10 minutes (2 Hz)	OPERATING TIME	5 hours high / 10 hours low

CONSTRUCTION

Body: polycarbonate · Head: aluminum alloy · Lens: polycarbonate · Finish: high-visibility yellow

DEPLOYABLE DIMENSIONS



HEIGHT CONFIGURATIONS

DEPLOYABLE HEIGHT 1

566?800 mm / 22.3?31.5 in

DEPLOYABLE HEIGHT 2

635?909 mm / 25.0?35.8 in

NET WEIGHT

7 kg / 15.4 lb

LAMP HEAD

360° rotation

DEPLOYMENT

Multiple operating positions

AVAILABLE ACCESSORIES



USA CHARGER

AC 100?240V charger configuration



EU CHARGER

AC 100?240V charger configuration



REPLACEMENT BATTERY

10.8V, 9Ah Ni-MH battery pack



HAZARDOUS-LOCATION SERIES

EXPLOSION-PROOF LIGHTING & EQUIPMENT

Products engineered for hazardous and harsh industrial locations

CLASS I,2,3

DIVISION 1 & 2

IP65-IP67

INDUSTRIAL

2026

PRODUCT CATALOG



H2 LIGHTING PRODUCT CATALOG

Hazardous-location luminaires, controls and electrical equipment.

PRECISION. PERFORMANCE. QUALITY.



Hazardous Locations: Classes & Divisions

Use the classification summary below as a project-planning reference.

CLASS I

GASES, VAPORS AND LIQUIDS

DIVISION 1

Normally explosive and hazardous.

DIVISION 2

Not normally present at explosive concentration, but may accidentally exist.

CLASS II

COMBUSTIBLE DUSTS

DIVISION 1

Ignitable dust is normally suspended, or conductive dust may be present.

DIVISION 2

Dust is not normally suspended at ignitable concentration; dust layers may be present.

CLASS III

FIBERS AND FLYINGS

DIVISION 1

Handled or used in manufacturing.

DIVISION 2

Stored or handled in storage, exclusive of manufacturing.

CID1 / CID2

CIID1 / CIID2

CLASS III



Class I - Division 1 | Core Luminaires

CLASS I

DIVISION 1

IP65/66

Series L1/L2

EXPLOSION-PROOF LIGHT



WATTAGE
40W (L1); 5/10/20W (L2)
EFFICIENCY
100 lm/W
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Series G

EXPLOSION-PROOF LIGHT



WATTAGE
10-40W
EFFICIENCY
114 lm/W (10-20W); 110 lm/W (30-40W)
BEAM ANGLE
120 deg
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Series K

EXPLOSION-PROOF LIGHT



WATTAGE
20-40W (K1); 50-80W (K2)
EFFICIENCY
130 lm/W
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Series D/D2

EXPLOSION-PROOF LIGHT



WATTAGE
20-80W (D2); 100-220W (D)
EFFICIENCY
140 lm/W
BEAM ANGLE
40/60/90/120 deg
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Series D3/D4

EXPLOSION-PROOF LIGHT



WATTAGE
80-280W (D3); 20-100W (D4)
EFFICIENCY
140-170 lm/W
BEAM ANGLE
40/60/90/120 deg; T2/T3/T5
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Series S

EXPLOSION-PROOF LIGHT



WATTAGE
20-60W (S0); 120-150W (S1); 100-280W (S2)
EFFICIENCY
140 lm/W
BEAM ANGLE
40/60/90/120 deg
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Class I - Division 1 | Linear & Emergency

CLASS I

DIVISION 1

EMERGENCY

Series I

EXPLOSION-PROOF LIGHT



WATTAGE
20-100W (I2); 40-200W (I4)
EFFICIENCY
140 lm/W
BEAM ANGLE
120 deg
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Series I2C/I4C

EXPLOSION-PROOF LIGHT



WATTAGE
20-100W (I2C); 100-150W (I4C)
EFFICIENCY
140 lm/W
BEAM ANGLE
120 deg
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Series C

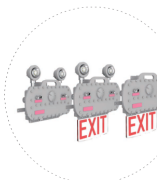
EXPLOSION-PROOF LIGHT



WATTAGE
20-80W (C2); 100-220W (C);
200-280W (C3)
EFFICIENCY
140 lm/W
BEAM ANGLE
40/60/90/120 deg
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Series ES03A

EXPLOSION-PROOF LIGHT



WATTAGE
5-20W
BEAM ANGLE
90/120 deg
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Emergency time: 3 hours

Series ES03C

EXPLOSION-PROOF LIGHT

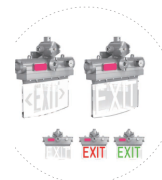


WATTAGE
8-10W
BEAM ANGLE
90/120 deg
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Emergency time: 3 hours

Series J

EXPLOSION-PROOF LIGHT



WATTAGE
1-5W
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Emergency time: 3 hours

Class I - Division 1 | Portable & Signaling

CLASS I

DIVISION 1

PORTABLE

Series Ex-xxWSP

INSPECTION LIGHT



WATTAGE
15-30W
EFFICIENCY
100 lm/W
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Series Ex-xxWM

CAP LAMP



WATTAGE
10-40W
EFFICIENCY
115 lm/W (10-20W)
BEAM ANGLE
15/25/30/38/45/60 deg
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Series WA/MA

EXPLOSION-PROOF LIGHT



WATTAGE
4W
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

Stainless-steel audible and visual alarm light

Signal Lamp

EXPLOSION-PROOF LIGHT



WATTAGE
18W

Industrial explosion-proof signal lamp

Series WKE

RECHARGEABLE HAND LAMP



WATTAGE
2W; 12VDC
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

6400mAh; 2-hour quick charge; 7-hour working light / 3-hour strong light

Series MV01

REMOTE AREA LIGHT



WATTAGE
5-19.5W
BEAM ANGLE
120 deg
HAZARDOUS RATING
CID1 / CID2 / CIID1 / CIID2 / CIII

7/14-hour charge; 5-hour high / 10-hour low runtime

Class I - Division 2 | General Luminaires

CLASS I

DIVISION 2

IP65/66

Series O2

EXPLOSION-PROOF LIGHT



WATTAGE
15-40W
EFFICIENCY
100 lm/W
BEAM ANGLE
120/150/180/300 deg
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Series R

EXPLOSION-PROOF LIGHT



WATTAGE
20-60W (R2); 30-100W (R4)
EFFICIENCY
160 lm/W
BEAM ANGLE
120 deg
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Series RL

EXPLOSION-PROOF LIGHT



WATTAGE
10-60W (RL2); 20-100W (RL4)
EFFICIENCY
160 lm/W
BEAM ANGLE
120 deg
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Series H

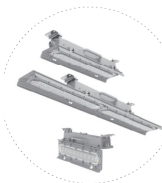
EXPLOSION-PROOF LIGHT



WATTAGE
20-100W (H2); 40-200W (H4)
EFFICIENCY
160 lm/W
BEAM ANGLE
120 deg
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Series HL

EXPLOSION-PROOF LIGHT



WATTAGE
20-100W (HL2); 40-200W (HL4)
EFFICIENCY
160 lm/W
BEAM ANGLE
30/45/60/90/120 deg; T2/T3/T4/T5
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Series FLF

EXPLOSION-PROOF LIGHT



WATTAGE
**20-40W (FLF2); 20-60W (FLF3);
20-80W (FLF4); 20-100W (FLF5)**
EFFICIENCY
150-160 lm/W
BEAM ANGLE
40/60/90/120 deg
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Class I - Division 2 | High-Efficiency

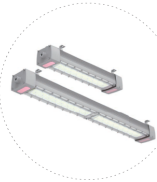
CLASS I

DIVISION 2

UP TO 180 LM/W

Series FLG

EXPLOSION-PROOF LIGHT



WATTAGE
20-70W (FLG2); 50-150W (FLG4)
EFFICIENCY
180 lm/W
BEAM ANGLE
90/120 deg; 25D/55D; T2/T3/T4
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Series FLP

EXPLOSION-PROOF LIGHT



WATTAGE
40-60W (FLP2); 90-120W (FLP4)
EFFICIENCY
160 lm/W
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Series FLH

EXPLOSION-PROOF LIGHT



WATTAGE
5-12W (FLH1); 6-25W (FLH2);
15-30W (FLH3); 10-45W (FLH4)
EFFICIENCY
110 lm/W AC; 124 lm/W DC
BEAM ANGLE
30/40/60/90/120 deg; T2/T3/T5
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Series FLD

EXPLOSION-PROOF LIGHT



WATTAGE
15-30W (FLD12); 15-60W (FLD14/22);
15-120W (FLD24)
EFFICIENCY
150 lm/W
BEAM ANGLE
120 deg
HAZARDOUS RATING
CID2 / CIID2 / CIII

Series A

EXPLOSION-PROOF LIGHT



WATTAGE
20-100W (A2); 60-150W (A);
120-240W (A3); 250-550W (A4)
EFFICIENCY
160 lm/W
BEAM ANGLE
30/40/60/90/120 deg; T2/T3/T5
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Series B

EXPLOSION-PROOF LIGHT



WATTAGE
20-100W (B2); 20-150W (B); 20-240W
(B3); 150-550W (B4)
EFFICIENCY
160 lm/W
BEAM ANGLE
40/60/90/120 deg; T2/T3/T5
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Class I - Division 2 | High-Temperature & Linear

CLASS I

DIVISION 2

SPECIALTY

Series HTA

EXPLOSION-PROOF LIGHT



WATTAGE
20-50W (HTA2); 10-100W (HTA4)
EFFICIENCY
130 lm/W
BEAM ANGLE
120 deg
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

High-temperature range up to 105/110C

Series LVT - SS

EXPLOSION-PROOF LIGHT



WATTAGE
10-40W (LVT2); 20-70W (LVT4)
EFFICIENCY
130 lm/W
BEAM ANGLE
120 deg
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Stainless steel; specified for offshore industry

Series LVT - GRP

EXPLOSION-PROOF LIGHT



WATTAGE
15-30W (FLD12); 15-60W (FLD14/22);
15-120W (FLD24)
EFFICIENCY
160 lm/W
BEAM ANGLE
120 deg
HAZARDOUS RATING
CID2 / CIID2 / CIII

GRP body

Series B5/BX

EXPLOSION-PROOF LIGHT



WATTAGE
20-100W (B2 + B5 box); 20-150W
(B5); 20-240W (BX)
EFFICIENCY
160 lm/W
BEAM ANGLE
40/60/90/120 deg
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Series Q

EXPLOSION-PROOF LIGHT



WATTAGE
20-150W (Q1); 20-240W (Q2)
EFFICIENCY
160 lm/W
BEAM ANGLE
40/60/90/120 deg
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Series Q1A

EXPLOSION-PROOF LIGHT



WATTAGE
20-100W
EFFICIENCY
150 lm/W
BEAM ANGLE
40/60/90/120 deg
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Class I - Division 2 | Retrofit & Emergency

CLASS I

DIVISION 2

RETROFIT

Series BF-B

EXPLOSION-PROOF LIGHT



WATTAGE
20-100W
EFFICIENCY
160 lm/W
BEAM ANGLE
40/60/90/120 deg
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

High-temperature range up to 105/110C

Series B3/B4

EXPLOSION-PROOF LIGHT



WATTAGE
50-150W (B3); 100-300W (B4)
EFFICIENCY
120 lm/W
BEAM ANGLE
110 deg
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

UP TO 105/110°C

Retrofit Kits

EXPLOSION-PROOF LIGHT

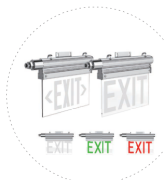


WATTAGE
Project specific

Retrofit kits for APM2 and KPC fixtures

Series V

EXPLOSION-PROOF LIGHT

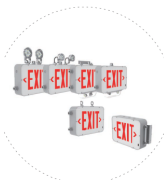


WATTAGE
5W
HAZARDOUS RATING
CID2 / CIID1 / CIID2 / CIII

Emergency time: 3 hours

Series ES04

EXPLOSION-PROOF LIGHT



WATTAGE
5-15W
HAZARDOUS RATING
CID2 / CIID2 / CIII

Emergency time: 3 hours

Series ES05

EXPLOSION-PROOF LIGHT



WATTAGE
7-10W
HAZARDOUS RATING
CID2 / CIID2 / CIII

Emergency time: 3 hours

EXPLOSION-PROOF LIGHT STRIPS

This explosion-proof LED linear lighting system supports ultra-long cascading and comes with a 5-year warranty. Designed for mines, tunnels, petrochemical plants and rail transit, it features IP67 protection and UL explosion-proof certification per NEC standards. It withstands dust, moisture, vibration and extreme temperatures from -40°C to +60°C.



CLASS I DIVISION 2

Series Ex-xxWSTR

Wattage(LED): 0.2W/pcs
Wattage(LED Strip): 13.5W/m
Input voltage: DC24V
Efficiency: 100lm/W
CCT: 4000K
Single-end powered: 20m
Tensile strength: 50kg
Hazardous Ratings: CID2

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Series Ex-xxWSTR

Explosion-proof LED linear strip lighting system

LED WATTAGE

0.2W per LED

STRIP WATTAGE

13.5W per meter

INPUT VOLTAGE

DC24V

EFFICIENCY

100 lm/W

CCT

4000K

SINGLE-END POWER

Up to 20 m

TENSILE STRENGTH

50 kg

HAZARDOUS RATING

Class I Division 2

IP67

IK10

5-YEAR WARRANTY

Designed for mines, tunnels, petrochemical plants and rail transit. Built to withstand dust, moisture, vibration and temperatures from -40C to +60C.

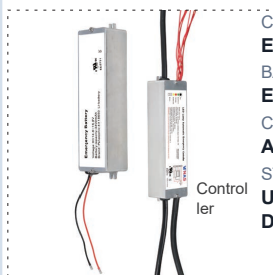
Explosion-Proof Power & Junction Equipment

IP66/67

ELECTRICAL EQUIPMENT

TGA Controller + Battery

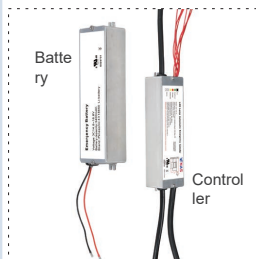
EXPLOSION-PROOF



CONTROLLER
EM-15W-HL(A)
BATTERY
EM-15W-HL(B)
COMPATIBILITY
A/A3/A4, B/B3/B4, C/C3/D, H/I/STA/R
STANDARDS
UL924, UL844, IEC60079; Class I & II Div. 1/2

Emergency Power

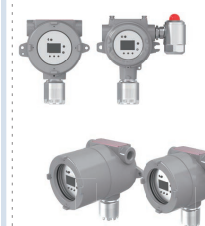
EXPLOSION-PROOF



INPUT
AC100-277V, 50/60Hz; 0.5A max; 9W max
OUTPUT
DC42-50V, 300mA max; 15W max
RUNTIME
Minimum 90 minutes
BATTERY
Li-ion 14.8V 2000mAh; UL924/UL844/IEC60079

Gas Detector IN01

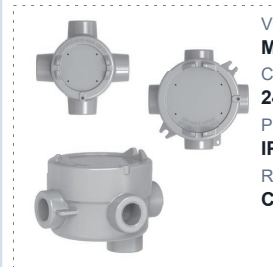
EXPLOSION-PROOF



SERIES
EX-IN01-A/B/C/D
TEMPERATURE
-60C to 70C / -60C to 85C
VOLTAGE
DC24V
PROTECTION
IP66; Class I & II Division 1/2

Junction Box EX-HD51

EXPLOSION-PROOF



VOLTAGE
Maximum 800V
CURRENT
24A / 32A / 41A
PROTECTION
IP66/IP67
RATING
Class I Division 1/2

Cable Junction Box

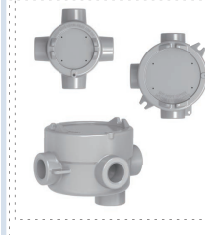
EXPLOSION-PROOF



SERIES
EX-HD51-KB1
VOLTAGE
Maximum AC800V
CONNECTIONS
Max. 4 terminals / 5 cable entries
PROTECTION
IP66; Class I Division 1

Junction Box EX-PD61

EXPLOSION-PROOF



SERIES
EX-PD61-BCD
VOLTAGE
Maximum AC800V, 50/60Hz
CURRENT
415A
PROTECTION
IP66; Class I & II Division 1/2

Explosion-Proof Controls & Accessories

IP66/67

ELECTRICAL EQUIPMENT

Installation Arm

EXPLOSION-PROOF



SERIES
EX-HD51-KYD
VOLTAGE
Maximum AC800V
CONNECTIONS
Max. 4 terminals / 4 cable entries
PROTECTION
IP66; Class I Division 1

Instrument Enclosure

EXPLOSION-PROOF



PROTECTION
IP66/IP67
RATING
Class I Division 1/2
DUST RATING
Class II Division 1/2

Explosion-Proof Phone

EXPLOSION-PROOF



SERIES
EX-MP for iPhone 14
CHARGER
AC100-240V, 50/60Hz
SIZE / WEIGHT
107 x 180 x 30 mm / 672 g
PROTECTION
IP66 / IK08; Class I Division 1

Control Sensor IN01

EXPLOSION-PROOF



SERIES
EX-IN01-B-MS/OS/MO
VOLTAGE
AC120-277V, 50Hz
PROTECTION
IP66/IP67
RATING
Class I & II Division 1/2

Control Sensor IN02

EXPLOSION-PROOF



SERIES
EX-IN02-MS/OS/MO
TEMPERATURE
-25C to 60C
VOLTAGE
AC120-277V / AC120-347V
PROTECTION
IP66; Class I Div. 2 / Class II Div. 1/2



EXTREME-HEAT SERIES

200C HEAT-RESISTANT LED FLOOD LIGHT

Industrial illumination engineered for ambient temperatures up to 392F

200C / 392F

50W-300W

160 LM/W

5-YEAR WARRANTY

200C
MAX AMBIENT



H2 LIGHTING PRODUCT CATALOG

Four configurations from 8,000 to 48,000 lumens.



200C Heat-Resistant LED Flood Light

H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

PRODUCT OVERVIEW & COMMON DATA

Purpose-Built for Extreme Ambient Heat

Heat-stabilized materials, specialized LED packages and remote-mounted power electronics support 200C operation.



IP67

100,000 HRS

160 LM/W

COMMON TECHNICAL DATA

INPUT VOLTAGE	90-295VAC	CCT STANDARD	2700K-7500K
FREQUENCY	50/60Hz	CCT CUSTOM	1500K-10000K
EFFICACY	160 lm/W	CRI STANDARD	Ra 75
POWER FACTOR	>0.95	CRI OPTIONS	80 / 90 / 95 / 98

Extreme-Heat Features



WIRE-FREE LED

Wire-free LED packaging eliminates a heat-sensitive bond-wire failure point.



HIGH-TEMP CHIPS

Specialized LED packages maintain output and efficiency in extreme ambient temperatures.



THERMAL COATINGS

Heat-stabilizing coatings protect internal and external surfaces from oxidation and thermal stress.



FINNED HEAT SINK

High-surface-area fins enhance passive airflow and heat transfer from the luminaire body.



200C Heat-Resistant LED Flood Light

H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

MODELS & PERFORMANCE

Four Outputs for Extreme-Heat Applications

All models share 200C ambient capability, 120-degree distribution and remote-mounted drivers.

H2-HTZ-50

50W



DELIVERED LIGHT **8,000 lm**

MAX AMBIENT **200C / 392F**

INPUT **90-295VAC**

EFFICACY **160 lm/W**

CCT STANDARD **2700K-7500K**

CRI STANDARD **Ra 75**

BEAM **120 degrees**

5-YEAR WARRANTY

H2-HTZ-100

100W



DELIVERED LIGHT **16,000 lm**

MAX AMBIENT **200C / 392F**

INPUT **90-295VAC**

EFFICACY **160 lm/W**

CCT STANDARD **2700K-7500K**

CRI STANDARD **Ra 75**

BEAM **120 degrees**

5-YEAR WARRANTY

H2-HTZ-200

200W



DELIVERED LIGHT **32,000 lm**

MAX AMBIENT **200C / 392F**

INPUT **90-295VAC**

EFFICACY **160 lm/W**

CCT STANDARD **2700K-7500K**

CRI STANDARD **Ra 75**

BEAM **120 degrees**

5-YEAR WARRANTY

H2-HTZ-300

300W



DELIVERED LIGHT **48,000 lm**

MAX AMBIENT **200C / 392F**

INPUT **90-295VAC**

EFFICACY **160 lm/W**

CCT STANDARD **2700K-7500K**

CRI STANDARD **Ra 75**

BEAM **120 degrees**

5-YEAR WARRANTY



200C Heat-Resistant LED Flood Light

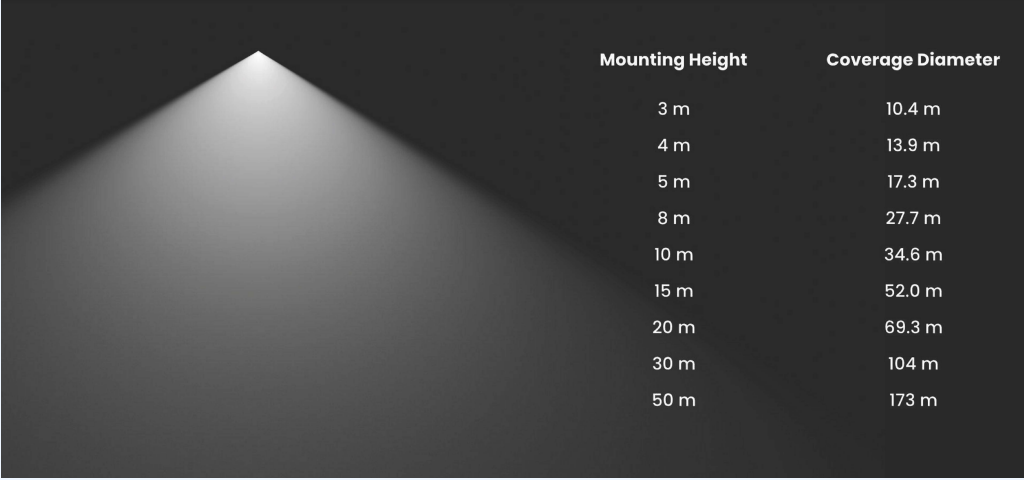
H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

OPTICS, COVERAGE & THERMAL ARCHITECTURE

Broad 120-Degree Industrial Distribution

Coverage scales with mounting height for process areas, foundries and large industrial environments.



Mounting Height	Coverage Diameter
3 m	10.4 m
4 m	13.9 m
5 m	17.3 m
8 m	27.7 m
10 m	34.6 m
15 m	52.0 m
20 m	69.3 m
30 m	104 m
50 m	173 m

REFERENCE COVERAGE

HEIGHT 3 m

10.4 m DIA

HEIGHT 20 m

69.3 m DIA

HEIGHT 5 m

17.3 m DIA

HEIGHT 30 m

104 m DIA

HEIGHT 10 m

34.6 m DIA

HEIGHT 50 m

173 m DIA

Thermal Architecture



REMOTE DRIVER

Power electronics operate separately from the luminaire and are rated for ambient temperatures up to 100C.



DRIVER LOCATION

Place the driver away from any heat source or ambient condition exceeding 100C.



SEALED BODY

IP67 construction protects the light engine from dust and water in harsh industrial locations.



MATERIAL STABILITY

Coatings and heat-resistant materials help preserve structural and optical performance over time.



200C Heat-Resistant LED Flood Light

H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

APPLICATION, ORDERING & WARRANTY

Project Selection Guide

Select output, CCT and CRI, then confirm driver placement and thermal conditions for the project.



ORDERING STRUCTURE

H2-HTZ / WATTAGE / CCT / CRI

Specify 50W, 100W, 200W or 300W; standard or custom CCT; CRI requirement; voltage; and remote-driver location.

Application Essentials

1

Verify the luminaire ambient does not exceed 200C / 392F.

2

Locate the remote driver where ambient temperature remains at or below 100C.

3

Keep the driver away from radiant and conducted heat sources exceeding its rating.

4

Use qualified installers and follow applicable electrical and structural codes.

H2 LIGHTING 5-YEAR LIMITED WARRANTY

This product is covered for five years from the date of purchase when installed and operated correctly. Coverage excludes improper installation, tampering, removed quality-control labels, unsuitable operating environments, or installation that does not follow applicable electrical codes. Warranty service is subject to return and verification of the faulty unit; installation labor is not included.



HAZARDOUS-LOCATION SERIES

EX-B LED LUMINAIRE CLASS I DIVISION 2

Robust industrial lighting for hazardous, marine and high-temperature locations

20W-150W

-40C TO 80C

IP66

5-YEAR WARRANTY

CL I DIV 2
HAZARDOUS LOCATION



H2 LIGHTING PRODUCT CATALOG

Six configurations with four optics and multiple mounting systems.



EX-B Hazardous-Location LED Luminaire

H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

PRODUCT OVERVIEW & COMMON DATA

Built for Hazardous and Harsh Industrial Locations

Copper-free aluminum construction withstands moisture, dust, corrosion, vibration and elevated ambient temperatures.



0-10V

IP66

IK08 / IK10

COMMON TECHNICAL DATA

INPUT VOLTAGE

108-132VAC

CCT RANGE

2700K-7000K

FREQUENCY

50/60Hz

CRI

>70

EFFICACY

100 lm/W

BEAM OPTIONS

40 / 60 / 90 / 120

POWER FACTOR

>0.95

AMBIENT

-40C to 80C

Product Advantages



ROBUST HOUSING

Copper-free aluminum body, tempered-glass or PC diffuser and stainless-steel hardware.



IMPACT RESISTANCE

IK08 without wire guard and IK10 with wire guard for demanding industrial locations.



MARINE READY

Wet-location, marine-outside-type construction and 1,000-hour salt-spray performance.



MOUNTING RANGE

Ceiling, wall, pole, hook pendant, stanchion and selected trunnion configurations.



EX-B Hazardous-Location LED Luminaire

H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

MODELS & PERFORMANCE

Six Outputs from 20W Through 150W

Select the housing size and output required for the hazardous-location application.

H2-EX-B2-20

20W



SERIES **B2**

OUTPUT **2,000 lm**

EFFICACY **100 lm/W**

BEAMS **40 / 60 / 90 / 120**

5-YEAR WARRANTY

H2-EX-B-40

40W



SERIES **B**

OUTPUT **4,000 lm**

EFFICACY **100 lm/W**

BEAMS **40 / 60 / 90 / 120**

5-YEAR WARRANTY

H2-EX-B-60

60W



SERIES **B**

OUTPUT **6,000 lm**

EFFICACY **100 lm/W**

BEAMS **40 / 60 / 90 / 120**

5-YEAR WARRANTY

H2-EX-B3-80

80W



SERIES **B3**

OUTPUT **8,000 lm**

EFFICACY **100 lm/W**

BEAMS **40 / 60 / 90 / 120**

5-YEAR WARRANTY

H2-EX-B3-100

100W



SERIES **B3**

OUTPUT **10,000 lm**

EFFICACY **100 lm/W**

BEAMS **40 / 60 / 90 / 120**

5-YEAR WARRANTY

H2-EX-B4-150

150W



SERIES **B4**

OUTPUT **15,000 lm**

EFFICACY **100 lm/W**

BEAMS **40 / 60 / 90 / 120**

5-YEAR WARRANTY



EX-B Hazardous-Location LED Luminaire

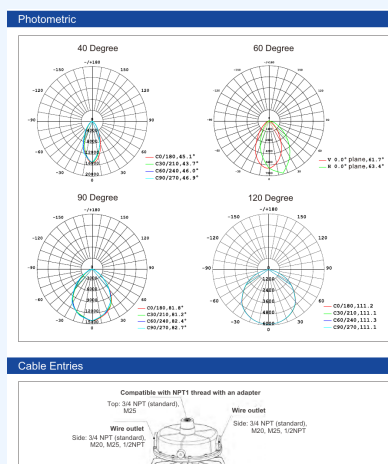
H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

COMPLIANCE, OPTICS & MOUNTING

Hazardous-Location Classification and Flexibility

Confirm the exact ordered configuration against project classification and certification requirements.



CLASSIFICATIONS

Class I Division 2 - Groups A, B, C, D

Class III

Class II Division 1 - Groups E, F, G

Class I Zone 2 - Group IIC

Class II Division 2 - Groups F, G

Class II Zone 21 - Group IIIC

Construction and Installation Options



CABLE ENTRIES

Side: 3/4-inch NPT standard; M20, M25 and 1/2-inch NPT optional. Top: 3/4-inch NPT standard; M25 optional.



COVERS

Standard flat cover plus optional convex glass and globe glass with wire guard.



MOUNTING

Ceiling, wall, pole pendant, hook pendant, stanchion and wall-to-junction-box options.



TRUNNION

Trunnion mounting is available for B and B2 housing families only.



EX-B Hazardous-Location LED Luminaire

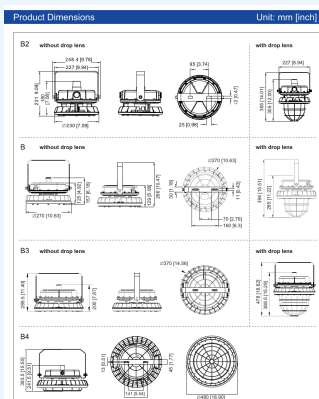
H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

DIMENSIONS, ORDERING & WARRANTY

Project Selection and Ordering Guide

Define wattage, housing, dimming, CCT, beam angle and optional cover before ordering.



ORDERING STRUCTURE

H2-EX / WATT / HOUSING / CCT / BEAM

Specify B2, B, B3 or B4 housing; wattage; dimmable or non-dimmable operation; 2700K-7000K CCT; 40, 60, 90 or 120-degree beam; and cover option.

Project Essentials

1

Verify hazardous-location class, division, group and zone requirements.

2

Confirm ambient temperature remains within -40C to 80C.

3

Select cable entries, cover and mount compatible with the installation.

4

Use qualified installers and follow all applicable electrical codes.

H2 LIGHTING 5-YEAR LIMITED WARRANTY

This product is covered for five years from the date of purchase when installed and operated correctly. Coverage excludes improper installation, tampering, removed quality-control labels, unsuitable operating environments, or installation that does not follow applicable electrical codes. Warranty service is subject to return and verification of the faulty unit; installation labor is not included.



EXTREME-ENVIRONMENT SERIES

HIGH-TEMPERATURE LED FLOOD LIGHT

Reliable industrial illumination for elevated ambient temperatures

80C / 100C / 150C

50W-500W

UP TO 75,000 LM

5-YEAR WARRANTY

150C
MAX AMBIENT



H2 LIGHTING PRODUCT CATALOG

Three temperature families with outputs through 500W.



High-Temperature LED Flood Light

H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

PRODUCT OVERVIEW & COMMON DATA

Engineered for Heat-Intensive Industrial Spaces

Purpose-built components, remote-driver options and aggressive thermal management support extreme environments.



IP67

100,000 HRS

150 LM/W

COMMON TECHNICAL DATA

INPUT VOLTAGE

90-295VAC

CCT STANDARD

2700K-7500K

FREQUENCY

50/60Hz

CCT CUSTOM

1500K-10000K

EFFICACY

150 lm/W

CRI STANDARD

Ra 75

POWER FACTOR

>0.95

CRI OPTIONS

80 / 90 / 95 / 98

Product Advantages



WIRE-FREE LED

Wire-free LED packaging reduces a potential heat-related failure point and limits internal heat generation.



HIGH-TEMP CHIPS

Specialized LED packages maintain lumen output and efficiency in elevated ambient temperatures.



FINNED HEAT SINK

High-surface-area fins increase natural airflow and improve heat transfer from the luminaire.



ANTI-GLARE OPTICS

Anti-glare lens options improve visibility and comfort in demanding industrial work areas.



High-Temperature LED Flood Light

H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

150C / 302F FAMILY SPECIFICATIONS

150C / 302F High-Temperature Series

Seven output configurations rated for ambient operation up to 150C / 302F.



FAMILY SUMMARY

MAX AMBIENT
150C / 302F

EFFICACY
150 lm/W

BEAM OPTIONS
120 degrees

RATED LIFE
100,000 hours

Available Models

MODEL	POWER	DELIVERED LIGHT	MAX AMBIENT	BEAM	WARRANTY
H2-HTX-50	50W	7,500 lm	150C / 302F	120 degrees	5 years
H2-HTX-100	100W	15,000 lm	150C / 302F	120 degrees	5 years
H2-HTX-150	150W	22,500 lm	150C / 302F	120 degrees	5 years
H2-HTX-200	200W	30,000 lm	150C / 302F	120 degrees	5 years
H2-HTX-300	300W	45,000 lm	150C / 302F	120 degrees	5 years
H2-HTX-400	400W	60,000 lm	150C / 302F	120 degrees	5 years

APPLICATION NOTE

The driver is remotely mounted and rated for ambient temperatures up to 100C. Position the driver away from heat sources exceeding its rating.



High-Temperature LED Flood Light

H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

100C / 212F FAMILY SPECIFICATIONS

100C / 212F High-Temperature Series

Seven output configurations rated for ambient operation up to 100C / 212F.



FAMILY SUMMARY

MAX AMBIENT

100C / 212F

EFFICACY

150 lm/W

BEAM OPTIONS

11 / 24 / 36 / 60 / 90 deg

RATED LIFE

100,000 hours

Available Models

MODEL	POWER	DELIVERED LIGHT	MAX AMBIENT	BEAM	WARRANTY
H2-HT-50	50W	7,500 lm	100C / 212F	11 / 24 / 36 / 60 / 90 deg	5 years
H2-HT-100	100W	15,000 lm	100C / 212F	11 / 24 / 36 / 60 / 90 deg	5 years
H2-HT-150	150W	22,500 lm	100C / 212F	11 / 24 / 36 / 60 / 90 deg	5 years
H2-HT-200	200W	30,000 lm	100C / 212F	11 / 24 / 36 / 60 / 90 deg	5 years
H2-HT-300	300W	45,000 lm	100C / 212F	11 / 24 / 36 / 60 / 90 deg	5 years
H2-HT-400	400W	60,000 lm	100C / 212F	11 / 24 / 36 / 60 / 90 deg	5 years

APPLICATION NOTE

Multiple optical distributions support focused process lighting and broad-area illumination. Confirm CCT, CRI and beam selection when ordering.



High-Temperature LED Flood Light

H2 LIGHTING PRODUCT SPECIFICATION

PRECISION. PERFORMANCE. QUALITY.

80C / 176F FAMILY SPECIFICATIONS

80C / 176F High-Temperature Series

Seven output configurations rated for ambient operation up to 80C / 176F.



FAMILY SUMMARY

MAX AMBIENT

80C / 176F

EFFICACY

150 lm/W

BEAM OPTIONS

11 / 24 / 36 / 60 / 90 deg

RATED LIFE

100,000 hours

Available Models

MODEL	POWER	DELIVERED LIGHT	MAX AMBIENT	BEAM	WARRANTY
H2-HTE-80	80W	12,000 lm	80C / 176F	11 / 24 / 36 / 60 / 90 deg	5 years
H2-HTE-100	100W	15,000 lm	80C / 176F	11 / 24 / 36 / 60 / 90 deg	5 years
H2-HTE-150	150W	22,500 lm	80C / 176F	11 / 24 / 36 / 60 / 90 deg	5 years
H2-HTE-200	200W	30,000 lm	80C / 176F	11 / 24 / 36 / 60 / 90 deg	5 years
H2-HTE-300	300W	45,000 lm	80C / 176F	11 / 24 / 36 / 60 / 90 deg	5 years
H2-HTE-400	400W	60,000 lm	80C / 176F	11 / 24 / 36 / 60 / 90 deg	5 years

APPLICATION NOTE

Suitable for foundries, processing facilities, power generation, warehouses and other heat-intensive industrial applications. Installation must follow applicable electrical codes.

H2 LIGHTING 5-YEAR LIMITED WARRANTY

Coverage applies when the product is correctly installed and operated; exclusions include improper installation, unsuitable environments and tampering.