

Champ-Pak wall pack light fixtures

Cl. I, Div. 2, Groups A, B, C, D
Restricted Breathing Cl. I, Div. 2 &
Zone 2 (with suffix S826)
Certified for IEC Zone 2
(with suffix S826TB)

Cl. II, Groups F, G
Cl. III & Simultaneous Presence
Marine & Wet Locations
Enclosure Type 4X; IP66

6L

The first low profile wall pack designed specifically for hazardous areas.

The Champ-Pak™ wall pack light fixture is ideal for low profile mounting in hazardous and industrial environments. **In fact, it is suitable for any area with adverse conditions such as dust, dirt, moisture, vibration, high pressure hose downs and high thermal ambients.** Its precisely designed glass refractor minimizes fixture depth while providing uniform, glare-free illumination.

Applications:

Indoor and outdoor wall mounting or vertical surface mounting where minimal fixture depth is required in:

- Manufacturing plants and heavy industrial facilities
- Industrial process facilities such as refineries, chemical, petrochemical, pharmaceutical and production platforms
- Waste or sewage treatment plants
- Offshore, dockside and harbor installations
- For security and safety lighting in industrial facilities
- For lighting of loading docks, tunnels and stairways
- For marine, wet location, hose down and corrosive environments

Features:

- Unique compact shallow profile design mounts virtually anywhere
- Side hinged cover with two screw closing for easy installation and maintenance
- Gray Corro-free epoxy powder coated two-piece housing provides superior corrosion resistance
- Unique stainless steel wire guard accessory attaches without any additional hardware for easy installation and maintenance
- Glass refractor provides uniform light distribution to eliminate glare
- Vertical lamp design provides even lamp heat distribution for cooler operation, providing expanded hazardous area suitability
- Silicone gaskets make luminaire suitable for enclosure Type 4X, marine and IP66 environments
- Available in two different conduit entry configurations to permit flexible installation and mounting
- Four 3/4" NPT hubs, one on each side
- Two 1/2" NPT hubs on bottom for through feed applications

Additional features and benefits:

- Variety of lamp types and wattages – HID, fluorescent and induction – to meet specific lighting needs
- High power factor ballasts (+90%) are standard, which allow more luminaires per circuit
- Up to 65°C ambient suitability on select lamp types and wattages; ambient suitability of +40°C is standard; allows for installation in higher ambient environments commonly found in industrial facilities
- Low ambient starting capability (to -40°C) – perfect for colder climates
- Shock-absorbing HID mogul base lamp socket cushions lamp; improves lamp life in harsh environments
- Compact fluorescent emergency fixture provides 90 minutes of lighting during power outages, meeting UL924 (Emergency Lighting) and Life Safety Code
- Cost-effective induction lamp system provides extra long lamp life up to 100,000 hours; reaches full illumination immediately, providing crisp, white light
- NEC/CEC restricted breathing construction is available to provide cooler temperature classes (T-codes) for expanded hazardous area suitability
- Simplified method for compliance to NEC restricted breathing conduit sealing requirements makes installation easier



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Certifications and compliances:

Luminaires for use with ANSI lamps (mogul base):

- UL/cUL Listed
- NEC and CEC Class I, Division 2 and Class I, Zone 2
- Restricted breathing Class I, Division 2 and Zone 2 (suffix S826)
- Class II, Groups F, G
- Class III
- Simultaneous Presence
- Certified for IEC Zone 2 (suffix S826TB)
- Marine and wet locations, enclosure Type 4X, IP66

UL standards:

- UL844 – Hazardous (Divisions Classified) Locations
- UL924 – Emergency Lighting (Fluorescent Emergency Luminaire)
- UL1598 – Luminaires
- UL1598A – Luminaires for Marine Vessels

CSA standards:

- C22.2 Nos. 9 and 137
- CAN/CSA-E60079-15:02

IEC standard:

- 60079-15

Standard materials:

- Fixture housing and door frame assembly – copper-free aluminum
- External hardware – stainless steel
- Refractor lens – borosilicate glass
- Gasket – silicone
- Reflector – aluminum light sheet
- Wire guard – stainless steel

Standard finishes:

- Aluminum – Corro-free epoxy powder coat
- Stainless steel – natural

Electrical ratings:

Sources/wattages:

- High pressure sodium (HPS) – mogul base 50, 70, 100, 150W
- Metal halide (MH) – mogul base 70, 100, 150W
- Compact fluorescent – 26, 32, 42, 52, 64, 84W
- Emergency fluorescent – 26W

Voltages:

HID standard voltage ballasts

- Dual-tap (120, 277V, 60 Hz – for 50W HPS only) – pre-wired at 277V
- Multi-tap (120, 208, 240, 277V, 60 Hz) – pre-wired at 277V
- Tri-tap (120, 277, 347V, 60 Hz) – pre-wired at 347V
- 120V, 60 Hz
- 480V, 60 Hz

Fluorescent standard voltage ballasts

- 120-277V, 50-60 Hz
- 120V, 50 Hz (for Canada only)
- 347V, 60 Hz (for Canada only)

HID optional voltage ballasts

- 220V, 50 Hz
- 220V, 60 Hz
- 240V, 50 Hz

Fluorescent optional voltage ballasts (contact factory)

- 125 VDC

Isolated ballasts and specials (contact factory)

- 208V, 60 Hz CWI isolated ballast
- 240V, 60 Hz CWI isolated ballast
- 480V, 60 Hz CWI isolated ballast

Conduit entries:

- Four 3/4" NPT entries, one on each side, top and bottom (three plugged)
- Two 1/2" NPT entries on bottom for through feed (one plugged)
- Metric entries – contact factory

Photometrics:

- Complete photometrics can be found at www.crouse-hinds.com/photometrics

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Ordering information – HID:

Hub size	Lamp watts	Cat. #
High pressure sodium		
Four 3/4" NPT (one on each side)	50	CPMVS2W050
Two 1/2" NPT (on bottom)		CPMVS1W050
Four 3/4" NPT (one on each side)	70	CPMVS2W070
Two 1/2" NPT (on bottom)		CPMVS1W070
Four 3/4" NPT (one on each side)	100	CPMVS2W100
Two 1/2" NPT (on bottom)		CPMVS1W100
Four 3/4" NPT (one on each side)	150	CPMVS2W150
Two 1/2" NPT (on bottom)		CPMVS1W150
(for 55V lamp)		
Metal halide		
Four 3/4" NPT (one on each side)	70	CPMVM2W070
Two 1/2" NPT (on bottom)		CPMVM1W070
Four 3/4" NPT (one on each side)	100	CPMVM2W100
Two 1/2" NPT (on bottom)		CPMVM1W100
Pulse start metal halide		
Four 3/4" NPT (one on each side)	150	CPMVM2W150 S828
Two 1/2" NPT (on bottom)		CPMVM1W150 S828

Complete catalog number as follows:

1. Add voltage suffix to end of catalog number.

NEC/UL				CEC/CSA (cUL)		
Voltage (60 Hz)	Dual-tap	Multi-tap	120V	480V	Dual-tap	Tri-tap
Suffix	/DT	/MT	/120	/480	/DT	/TT

2. Options: Add the required option suffixes in alphanumeric order.

Ordering information – fluorescent:

Hub size	Lamp watts	Cat. #
Four 3/4" NPT (one on each side)	26 (one 26W lamp)	CPMVF2W026
Two 1/2" NPT (on bottom)		CPMVF1W026
Four 3/4" NPT (one on each side)	32 (one 32W lamp)	CPMVF2W032
Two 1/2" NPT (on bottom)		CPMVF1W032
Four 3/4" NPT (one on each side)	42 (one 42W lamp)	CPMVF2W042
Two 1/2" NPT (on bottom)		CPMVF1W042
Four 3/4" NPT (one on each side)	52 (two 26W lamps)	CPMVF2W052
Two 1/2" NPT (on bottom)		CPMVF1W052
Four 3/4" NPT (one on each side)	64 (two 32W lamps)	CPMVF2W064
Two 1/2" NPT (on bottom)		CPMVF1W064
Four 3/4" NPT (one on each side)	84 (two 42W lamps)	CPMVF2W084
Two 1/2" NPT (on bottom)		CPMVF1W084

Complete catalog number as follows:

1. Add voltage suffix to end of catalog number.

	NEC/CEC (UL, CSA, cUL)	CEC (CSA, cUL)
Voltage	120-277V (50-60 Hz)	347V (60 Hz)
Suffix	/UNV	/347

2. Options: Add the required option suffixes in alphanumeric order.

Ordering information – fluorescent emergency – continuous operation:

Hub size	Lamp watts	Cat. #
Four 3/4" NPT (one on each side)	26 (one 26W lamp)	CPMVFB2W026
Two 1/2" NPT (on bottom)		CPMVFB1W026

Complete catalog number as follows:

1. Add voltage suffix to end of catalog number.

	NEC/CEC (UL, CSA, cUL)	CEC (CSA, cUL)
Voltage	120-277V (50-60 Hz)	120V (60 Hz) 347V (60 Hz)
Suffix	/UNV	/120 CAN /347

2. Options: Add the required option suffixes in alphanumeric order.

^A 50W HPS is available only with suffix DT.

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Options:

Description	Suffix
• Ballast-Gard starter cut-out switch.....	BG
<i>Not available with IR or QTZ options</i>	
• Factory assembled with lamp installed.....	FA
• Instant restrike.....	IR
<i>Not available with BG or QTZ options</i>	
• Guard – factory installed on luminaire.....	P
<i>Guard suffix follows wattage designation (for example: CPMVS2W100P/MT)</i>	
• Quartz auxiliary.....	QTZ
• Fused.....	S658^B
<i>Not available with CPMVFB luminaires</i>	
<i>Not suitable for marine applications</i>	
• Restricted breathing construction (AEx nR, Ex nR).....	S826
• Certified for IEC Zone 2 (Ex nR) (UL classified to IEC standards).....	S826TB

*Furnished with 4mm², 3-point terminal block
Crimp internal wiring connections
P55 guard*

V2PC photocells – factory installed:

• 120V, 50-60 Hz.....	V2PC20
• 208-240V, 50-60 Hz.....	V2PC22
• 277V, 50-60 Hz.....	V2PC27

Optional voltage ballasts for HID fixtures:

• 220V, 50 Hz.....	220 50
• 220V, 60 Hz.....	220 60
• 240V, 50 Hz.....	240 50

Optional voltage ballasts for fluorescent fixtures (contact factory):

• 125 VDC.....	125 VDC
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Isolated ballasts for HID fixtures (contact factory):

• 208V, 60 Hz.....	208 CWI
• 240V, 60 Hz.....	240 CWI
• 480V, 60 Hz.....	480 CWI

Accessories (ordered separately):

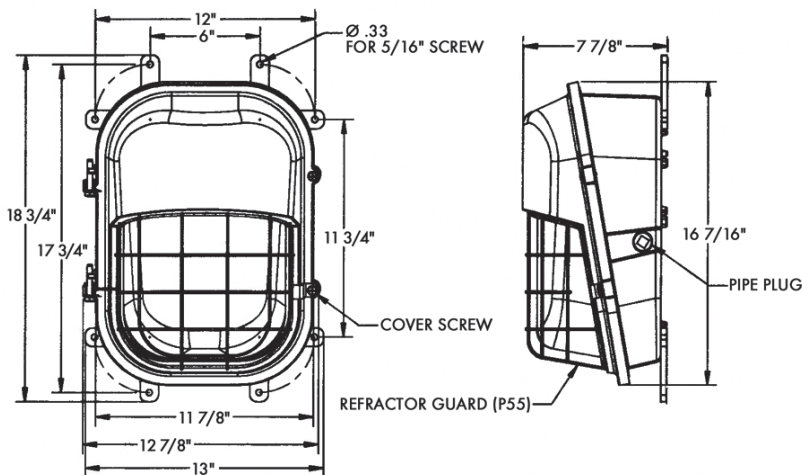
Description	Cat. #
• Stainless steel wire guard.....	P55

Photocells for field installation:

• 120V, 50-60 Hz.....	V2PC20
• 208-240V, 50-60 Hz.....	V2PC22
• 277V, 50-60 Hz.....	V2PC27

In Canada, use factory installed photocell only

Dimensions (in inches):



Note: Approximate weight less guard: 28.00 lbs. P55 guard: 0.50 lbs.

^BWhen ordering fuses for luminaires, you must specify the operating voltage. S658 cannot be ordered with /MT in the catalog number.

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Temperature performance data:

Class I, Div. 2 & Zone 2					Simultaneous presence Class I / Class II (gas and dust present in the same area)		
Watts	Ambient temp. °C	Standard product	Restricted breathing AEx nR / Ex nR option S826	Class II; Class III	Standard product suitable for Class I, Div. 2 / Class II	Restricted breathing AEx nR / Ex nR option S826 suitable for Class I, Div. 2 / Zone 2; Class II	Supply wire °C
High pressure sodium							
50	40	T3A	T6	T5	T3A / T5	T5	90
	55	T3A	T6	T4A [Ⓒ]	T3 / T4A [Ⓒ]	T4 [Ⓒ]	105
	65 [Ⓒ]	T3	T5	—	—	—	105
70	40	T3A	T6	T5	T3A / T5	T5	90
	55	T3A	T6	—	—	—	105
	65 [Ⓒ]	T3	T5	—	—	—	105
100	40	T2C	T5	Contact factory for Class II suitability with 105°C supply wire			90
	55 [Ⓒ]	T2C	T4				105
150	40	T2B	T4	—	—	—	105
Metal halide							
70	40	T3C	T6	T5	T3C / T5	T5	90
	55	T3C	T6	—	—	—	105
	65 [Ⓒ]	T3C	T5	—	—	—	105
100	40	T3	T6	—	—	—	90
150 PS (S828)	40	T2D	T5	—	—	—	105
Compact fluorescent							
26	40	T3B	T6	T6	T3B / T6	T6	75
26 (347V)	40	T3A	T6	—	—	—	75
	55	T3	T6	—	—	—	75
32	40	T3B	T6	T6	T3B / T6	T6	75
	55	T3A	T6	—	—	—	75
32 (347V)	40	T3	T6	—	—	—	75
42 (120-277V)	40	T3B	T6	T6	T3B / T6	T6	75
42 (347V)	40	T3A	T6	—	—	—	75
	55	T3	T6	—	—	—	75
52	40	T3	T6	T6	T3B / T6	T6	75
	55	T3	T6	—	—	—	90
64	40	T3	T6	T6	T3 / T6	T6	75
	55	T3	T6	—	—	—	90
84	40	T2C	T6	—	—	—	90
Emergency fluorescent							
26	40 [Ⓒ]	T3B	T6	—	—	—	75

Note: Luminaires requiring 105°C supply wire are furnished with 3 feet of rated wire for external wiring connection.

[Ⓒ]Fuses (suffix S658) are not available for indicated light sources and ambient temperatures.