

Champ-Pak™ Wall Pack Luminaires

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

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

7L

Ordering Information HID Luminaires:

Hub Size	Lamp Watts	Cat. #
High-Pressure Sodium		
Four 3/4" NPT (one each side) Two 1/2" NPT (on bottom)	50	CPMVS2W050 CPMVS1W050
Four 3/4" NPT (one each side) Two 1/2" NPT (on bottom)	70	CPMVS2W070 CPMVS1W070
Four 3/4" NPT (one each side) Two 1/2" NPT (on bottom)	100	CPMVS2W100 CPMVS1W100
Four 3/4" NPT (one each side) Two 1/2" NPT (on bottom)	150 (for 55 V lamp)	CPMVS2W150 CPMVS1W150
Metal Halide		
Four 3/4" NPT (one each side) Two 1/2" NPT (on bottom)	70	CPMVM2W070 CPMVM1W070
Four 3/4" NPT (one each side) Two 1/2" NPT (on bottom)	100	CPMVM2W100 CPMVM1W100
Metal Halide-Pulse Start		
Four 3/4" NPT (one each side) Two 1/2" NPT (on bottom)	150	CPMVM2W150 S828 CPMVM1W150 S828

To complete Catalog Number, add Voltage and Option suffix(es).

Voltage Suffixes:

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

50W HPS is available only with suffix /DT.

Ordering Information Induction Luminaires With Lamp (100,000 hours):

Hub Size	Lamp Watts	Cat. #
Four 3/4" NPT (one each side) Two 1/2" NPT (on bottom)	55	CPMVG2W055 CPMVG1W055
Four 3/4" NPT (one each side) Two 1/2" NPT (on bottom)	85	CPMVG2W085 CPMVG1W085

Voltage Suffixes:

		120 V (also 120 V DC)	230 V (also 240 V DC)
Voltage	(50-60 Hz)		(50-60 Hz)
Suffix	/120		/230

Ordering Information Fluorescent Luminaires:

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

Voltage Suffixes:

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

Ordering Information Fluorescent Emergency Luminaires - Continuous Operation:

Hub Size	Lamp Watts	Cat. #
Four 3/4" NPT (one each side) Two 1/2" NPT (on bottom)	26 (one 26 W lamp)	CPMVF2W026 CPMVF1W026

Voltage Suffixes:

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

Compelling reasons to choose the new Champ induction luminaire as the light source for industrial and hazardous locations include:

- Crisp, white light (80+ color rendering index) provides increased safety by clearly illuminating signs, instrument panels, equipment, and more with vibrant natural colors
- Up to 100,000 hours of lamp life minimizes routine maintenance costs; if you operate this luminaire for 24 hours, 7 days a week, you will not need to change the lamp for up to 11 years!
- Instant illumination – no waiting for lamp warm-up time; increases productivity and safety
- Delivers the best possible luminaire temperature rating – T6 (85°C) when used with the Champ restricted breathing option; ideal for hazardous areas where a low ignition temperature is required
- Starts in low temperatures – as low as -40°C

7L Champ-Pak™ Wall Pack Luminaires

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

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

Options:

Description	Suffix
Ballast-Gard™ starter cut-out switch	BG
• Not available with IR or QTZ options	
Factory Assembled with Lamp Installed	FA
Instant Restrike	IR
• Not available with BG or QTZ options	
Guard—Factory Installed on Luminaire	P
(Guard suffix follows wattage designation, e.g., CPMVS2W100P/MT)	
Quartz Auxiliary	QTZ
Fused	S658*
• Not available with CPMVIG and CPMVFB luminaires	
• Not suitable for marine applications	
Restricted Breathing Construction (AEx nR, Ex nR)	S826
Certified For IEC Zone 2 (Ex nR) (UL Classified to the IEC Standard)	S826TB
Furnished with:	
• 4 mm ² , 3-point terminal block	
• Crimp internal wiring connections	
• P55 guard	
V2PC Photocell—Factory Installed	
• 120 V, 50–60 Hz.....	/V2PC20
• 208–240 V, 50–60 Hz.....	/V2PC22
• 277 V, 50–60 Hz.....	/V2PC27
Optional Voltage Ballasts for HID Luminaires	
• 220 V, 50 Hz.....	/220 50
• 220 V, 60 Hz.....	/220 60
• 240 V, 50 Hz.....	/240 50
Optional Voltage Ballasts for Fluorescent Luminaires (Consult Factory)	
• 125 V DC.....	/125 VDC
• 12 V DC.....	/12 VDC
• 24 V DC.....	/24 VDC
Isolated Ballast for HID Luminaires (Consult Factory)	
• 208 V, 60 Hz.....	/208CWI
• 240 V, 60 Hz.....	/240CWI
• 480 V, 60 H.....	/480CWI

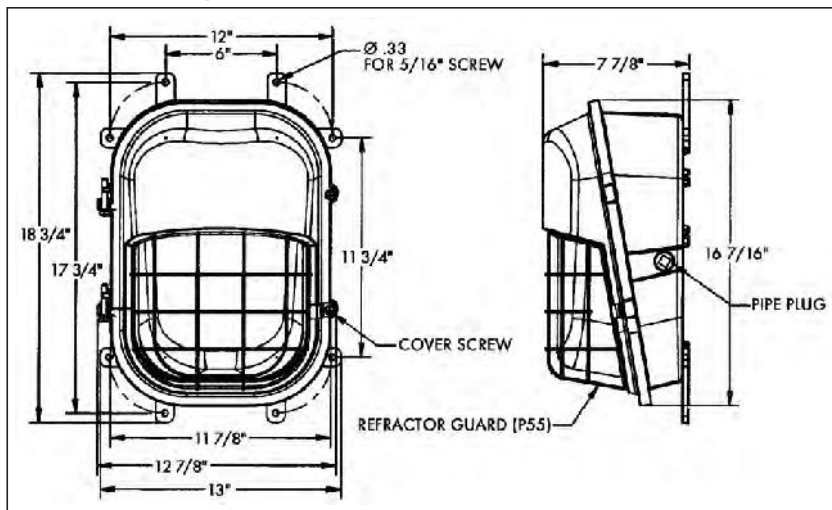
Accessories:

(Order Separately)		Cat. #
Description		
Photocell For Field Installation		
• 120 V, 50–60 Hz		V2PC20
• 208–240 V, 50–60 Hz		V2PC22
• 277 V, 50–60 Hz		V2PC27
In Canada, use factory-installed photocell only.		
Stainless Steel Wire Guard		P55

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

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Dimensions (In Inches):

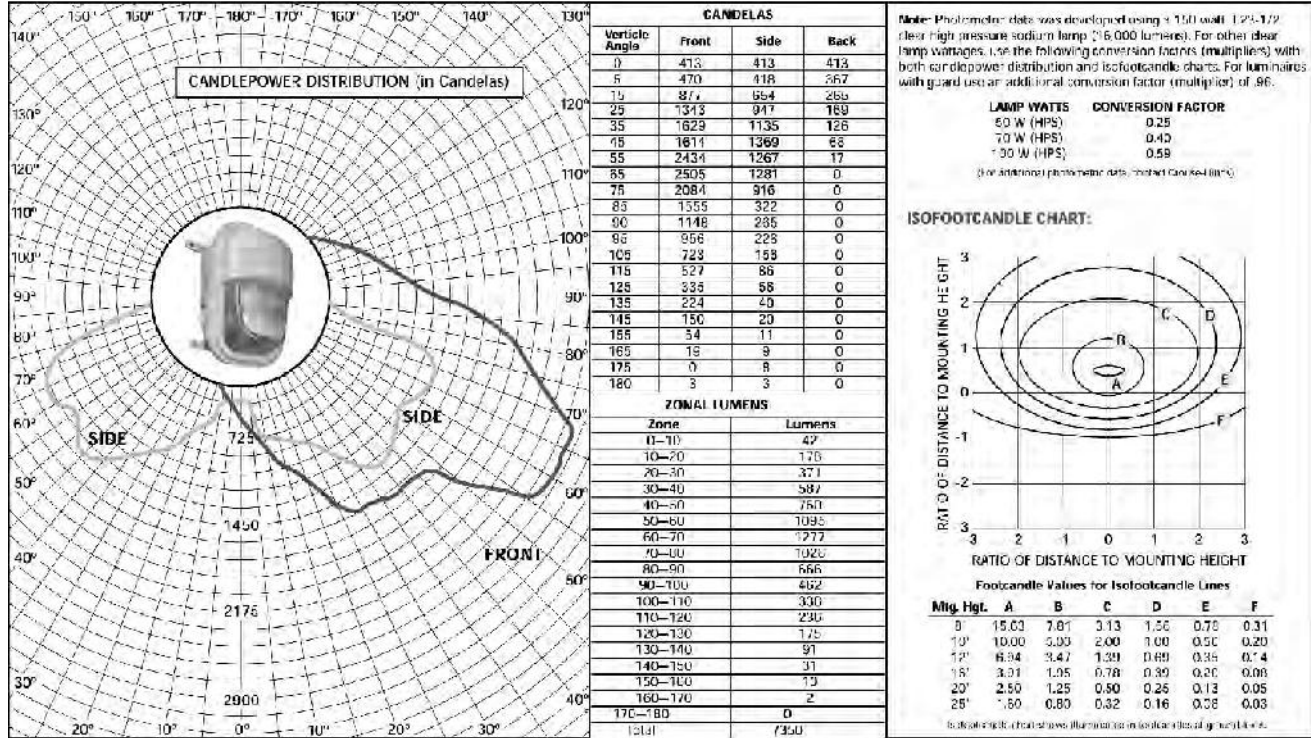


Note: Approximate weight less guard 28 lbs. P55 guard 0.5 lbs.

CPMV Photometric Data

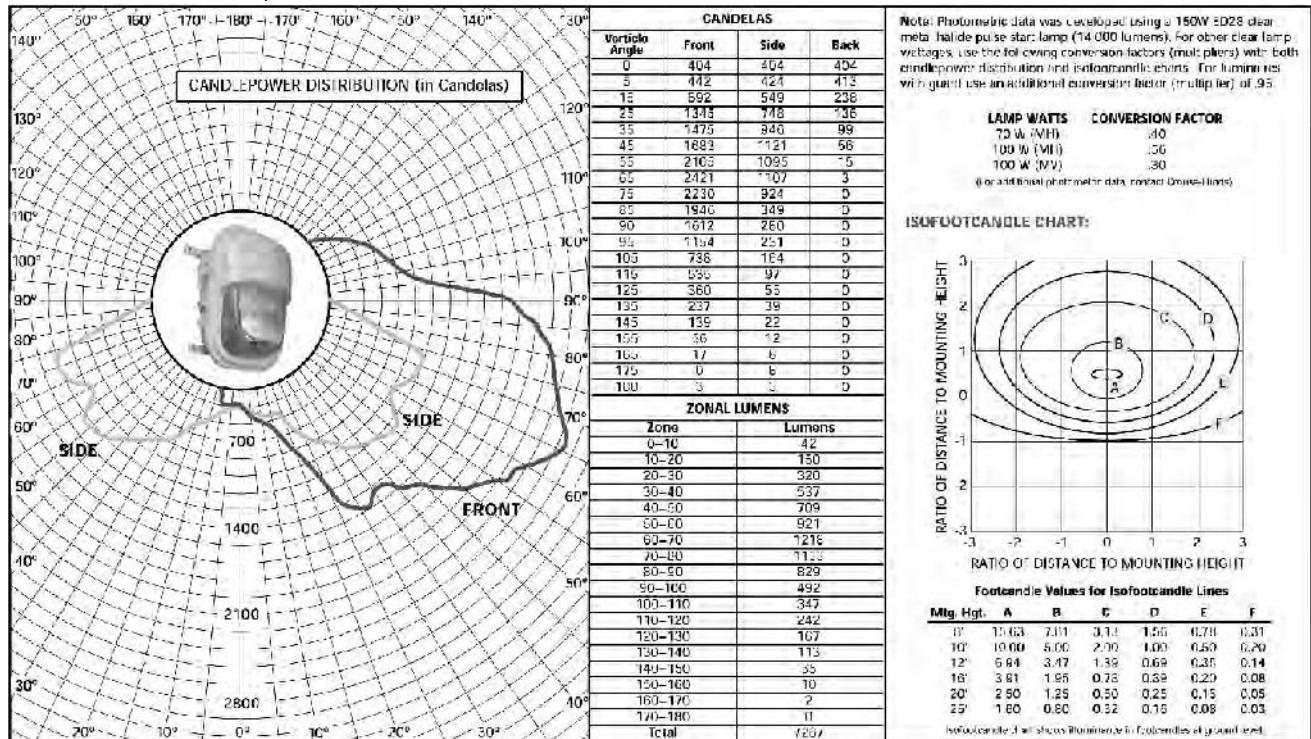
Luminaire With Refractor Less Wire Guard

CPMVS2W150 Lamp: 150 W/E23-1/2 Clear High Pressure Sodium (HPS)



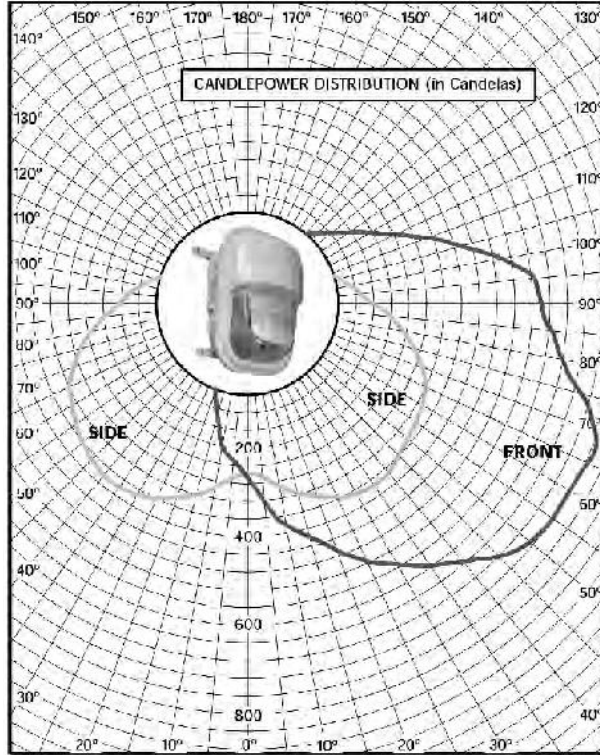
Luminaire With Refractor Less Wire Guard

CPMVM2W150-S828 Lamp: 150 W/ED28 Clear Pulse Start Metal Halide



For additional photometric data, contact Cooper Crouse-Hinds.

Luminaire With Refractor Less Wire Guard
CPMVF2W084 Lamps: (2) PL-T 42W/30/4P Compact Fluorescent



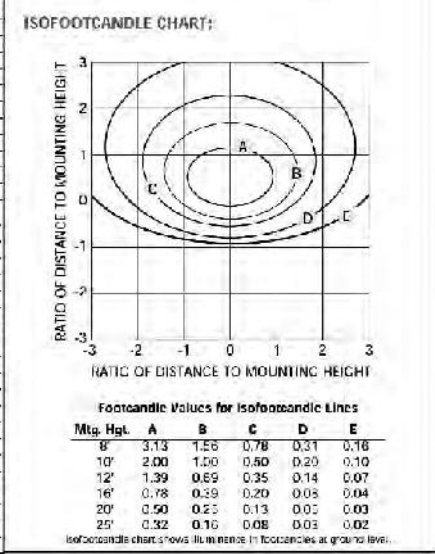
CANDELAS			
Vertical Angle	Front	Side	Back
0	250	250	250
5	319	269	227
15	421	370	139
25	515	361	58
35	590	370	33
45	671	362	10
55	720	347	0
65	725	317	0
75	657	264	0
85	565	195	0
90	541	160	0
95	525	132	0
105	409	0	0
115	277	0	0
125	145	0	0
135	97	0	0
145	52	0	0
155	34	0	0
165	8	0	0
175	0	0	0
180	0	0	0

ZONAL LUMENS	
Zone	Lumens
0-10	25
10-20	87
20-30	155
30-40	223
40-50	288
50-60	334
60-70	357
70-80	349
80-90	309
90-100	252
100-110	188
110-120	113
120-130	64
130-140	33
140-150	15
150-160	5
160-170	0
170-180	0
Total	2910

Note: Photometric data was developed using two clear fluorescent lamps (3,200 lumens each). For other clear lamp wattages, use the following conversion factors (multipliers) with both candlepower distribution and isocandela charts. For luminaires with guard use an additional conversion factor (multiplier) of .96.

LAMP WATTS	CONVERSION FACTOR
52 W (OH)	.58
64 W (OH)	.75

(For additional photometric data, contact Cooper Crouse-Hinds.)



For additional photometric data, contact Cooper Crouse-Hinds.

Temperature Performance Data:

Watts	Ambient Temp. °C	Class I Division 2 and Zone 2		Class II and Class III	Simultaneous Presence Class I/Class II (Gas and Dust Present in the Same Area)		Supply Wire Temp. °C
		Standard Product	Restricted Breathing AEx nR/Ex nR Option S826		Standard Product Suitable for Class I, Division 2/Class II	Restricted Breathing AEx nR/Ex nR Option S826 Suitable for Class I, Division 2 or Zone 2 and Class II	
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	Consult Factory for Class II Suitability with			90
	55*	T2C	T4	105°C Supply Wire			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
150PS (S828)	40	T2D	T5	—	—	—	105
COMPACT FLUORESCENT							
26	40	T3B	T6	T6	T3B/T6	T6	75
26 (347 V)	55	T3A	T6	—	—	—	75
	40	T3	T6	—	—	—	75
32	40	T3B	T6	T6	T3B/T6	T6	75
	55	T3A	T6	—	—	—	75
32 (347 V)	40	T3	T6	—	—	—	75
42 (120–277 V)	40	T3B	T6	T6	T3B/T6	T6	75
42 (347 V)	55	T3A	T6	—	—	—	75
	40	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
INDUCTION							
55	40*	T2D	T6	T6	—	T6	75
	55*	T2D	T6	—	—	—	75
85	40*	T2B	T6	—	—	—	75

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

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

