

Catalog Number:	Note:
Project Name:	Type:

## INDUSTRIAL AND HIGH-COMMERCIAL LIGHTING MANUFACTURER

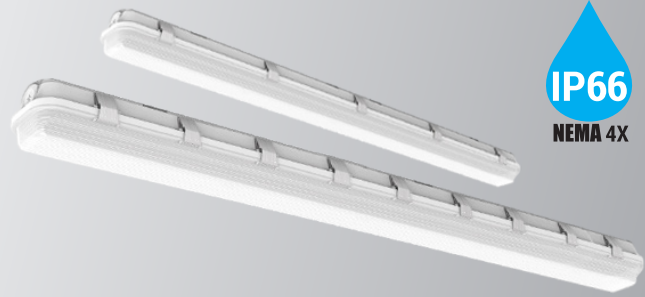
### CLVS-MO Series

#### 4' / 8' Modest Style Vapor-Seal LED Luminaire



The CLSV Vapor-Seal series offers an industry-leading performance with deep energy savings and continuous dimming. This fixture is manufactured and designed using a gasketed enclosure to protect against dust, humidity and liquid spray. Easy installation for both surface-mount and suspended mount.

Perfect application for factories, tunnels, car washes, laboratories, cold storage, food processing and for vessels.



#### CONSTRUCTION

Polycarbonate housing, frosted lens, and stain-less clips offer protection against dust, humidity and water spray. Environmental-friendly powder coat painted reflector. Compact, slick profile design makes it easy for installation.

#### ELECTRICAL

Luminaire is built with the highest quality driver that is universal voltage 120-277V 50/60Hz, Class P and Class 2 with 2kV Surge Protection, uses highly-efficient LED packages to ensure cool temperatures for long lasting life span.

#### OPTICAL SYSTEM

Long life and high-efficiency surface mount LEDs. 100,000-hour LED lifespan based on LM-80 results and TM-21 calculations.

#### DIMMING

Continuous dimming (0-10V) comes standard. Compatible with dimmers, sensors and controls for deeper energy-savings.

#### MOUNTING

V-hooks/surface mount (included), 45° corner mount, and junction box.

#### ENERGY SAVINGS

Over 50% energy savings than traditionally fluorescent fixtures, low heat productions requires less maintenance and operation cost.

#### LISTING

UL Listed, IP66 Rated, NEMA 4X, NSF, RoHS

#### WARRANTY

5 year Limited Warranty

	WATTAGE	DELIVERED LUMENS	EFFICACY
<b>4'</b>	50W	6,650 @ 5000K	133 lm/W
<b>8'</b>	72W	9,576 @ 5000K	133 lm/W
	100W	13,300 @ 5000K	133 lm/W

#### TECHNICAL SPECIFICATION

CCT	5000K
CRI	80+
DIMMABLE	0-10V dimming
BEAM ANGLE	110°
VOLTAGE	120V-277V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	>0.9
THD	≤10%
TEMPERATURE RATED	-40°F ~ 122°F
IP RATING	IP66
WARRANTY	5 year limited

#### ORDERING SAMPLE:

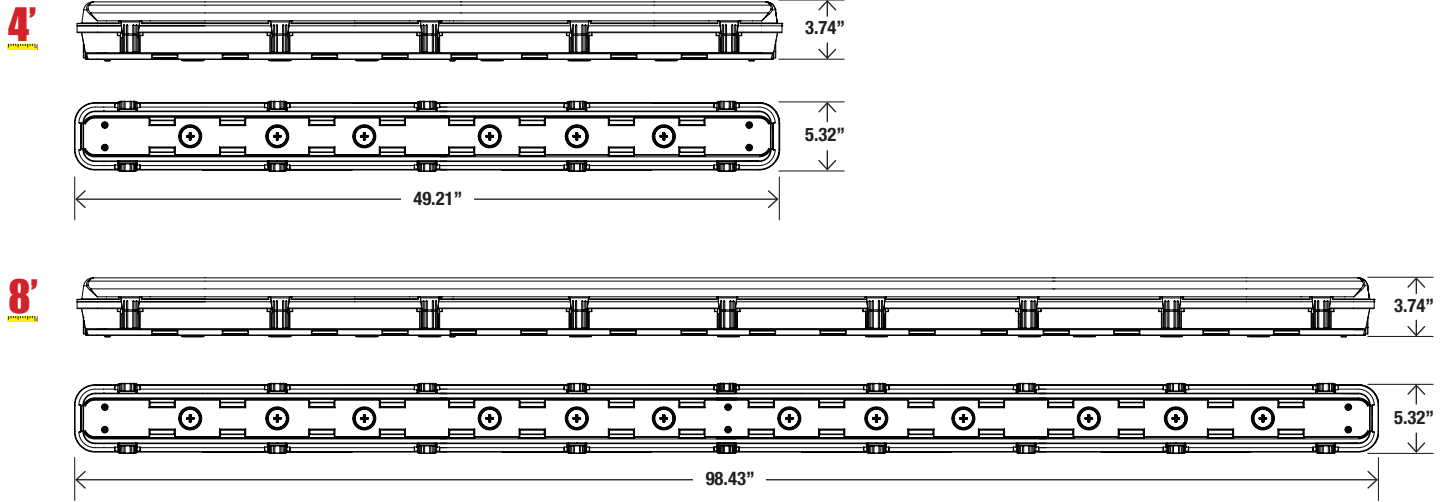
CLVS	MO	4FT	50W	50K	VH		
Series	Style	Size	Wattage	CCT	Mounting	EM Battery	Options
CLVS Vapor-Seal Series	MO - Modest	4FT - 4' 8FT - 8'	50W 72W 100W	50K - 5000K	VH - V-Hooks SM - Surface Mount	PT-EMN - EM Battery	MS-MW - Motion Sensor MSH-RC2 - Remote Control

Catalog Number:	Note:
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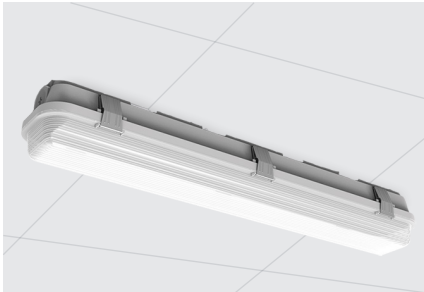
## INDUSTRIAL AND HIGH-COMMERCIAL LIGHTING MANUFACTURER

CLVS-MO SERIES

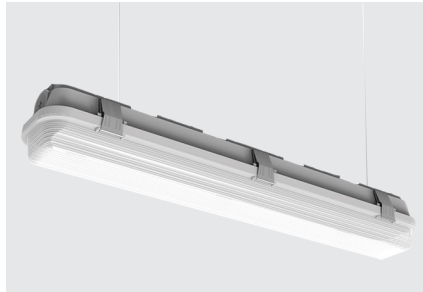
### DIMENSIONS



### MOUNTING OPTIONS



**SM**  
Surface mount  
(Included)



**V-HOOK**  
Suspended Mount (Included)



**A-CBL**  
Aircraft Cable  
(Chain or cable sold separate)

### MOTION SENSORS



**MS-MW**  
Motion Sensor



**MSH-RC2**  
Indoor Sensor Remote Programmer  
(Needed to program the motion sensor)

### EM BATTERY OPTION



**PT-EMN SERIES**  
Low Voltage EM  
Battery Back-up

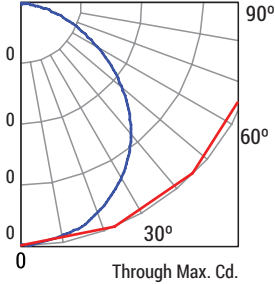
## INDUSTRIAL AND HIGH-COMMERCIAL LIGHTING MANUFACTURER

CLVS-MO SERIES

**PHOTOMETRICS**

<b>CLVS-4FT</b>	<i>Wattage: 50W</i>	<i>Delivered lumens: 6650</i>	<i>Efficacy: 133 lm/W</i>	<i>CCT: 5000K</i>	<i>CRI: 80</i>
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Maximum Candela : 0



— Vertical Plane Through Horizontal Angles (112.5-292.5)  
 — Horizontal Cone Through Vertical Angle (1)

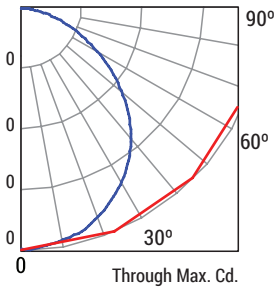
RCR	Coefficients of Utilization											
	20%											
	80%			70%			50%					
pfc												
pcc												
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	
0	119	119	119	119	116	116	116	116	111	111	111	
1	109	105	101	97	107	103	99	96	98	95	93	
2	100	92	86	80	97	90	84	79	87	81	77	
3	91	81	73	67	89	80	72	67	77	70	65	
4	84	72	64	57	82	71	63	57	68	62	56	
5	77	65	56	50	75	64	55	49	61	54	49	
6	71	58	50	43	69	57	49	43	56	48	43	
7	66	53	44	38	65	52	44	38	51	43	38	
8	62	48	40	34	60	48	40	34	46	39	34	
9	58	44	36	31	56	44	36	31	43	36	31	
10	54	41	33	28	53	41	33	28	40	33	28	

CP Summary		
	0°	90°
0°	0	0
5°	0	0
15°	0	0
25°	0	0
35°	0	0
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0

Zonal Lumen Summary		
	Lumens	%Fixture
0° - 20°	0	0
0° - 30°	0	0
0° - 40°	0	0
0° - 60°	0	0
0° - 80°	0	0
0° - 90°	0	0

<b>CLVS-4FT</b>	<i>Wattage: 50W</i>	<i>Delivered lumens: 6650</i>	<i>Efficacy: 133 lm/W</i>	<i>CCT: 5000K</i>	<i>CRI: 80</i>
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Maximum Candela : 0



— Vertical Plane Through Horizontal Angles (112.5-292.5)  
 — Horizontal Cone Through Vertical Angle (1)

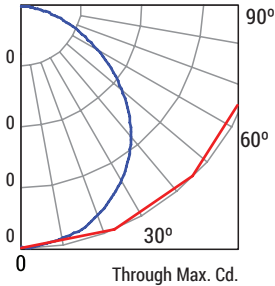
RCR	Coefficients of Utilization											
	20%											
	80%			70%			50%					
pfc												
pcc												
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	
0	119	119	119	119	116	116	116	116	111	111	111	
1	109	105	101	97	107	103	99	96	98	95	93	
2	100	92	86	80	97	90	84	79	87	81	77	
3	91	81	73	67	89	80	72	67	77	70	65	
4	84	72	64	57	82	71	63	57	68	62	56	
5	77	65	56	50	75	64	55	49	61	54	49	
6	71	58	50	43	69	57	49	43	56	48	43	
7	66	53	44	38	65	52	44	38	51	43	38	
8	62	48	40	34	60	48	40	34	46	39	34	
9	58	44	36	31	56	44	36	31	43	36	31	
10	54	41	33	28	53	41	33	28	40	33	28	

CP Summary		
	0°	90°
0°	0	0
5°	0	0
15°	0	0
25°	0	0
35°	0	0
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0

Zonal Lumen Summary		
	Lumens	%Fixture
0° - 20°	0	0
0° - 30°	0	0
0° - 40°	0	0
0° - 60°	0	0
0° - 80°	0	0
0° - 90°	0	0

<b>CLVS-4FT</b>	<i>Wattage: 50W</i>	<i>Delivered lumens: 6650</i>	<i>Efficacy: 133 lm/W</i>	<i>CCT: 5000K</i>	<i>CRI: 80</i>
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Maximum Candela : 0



— Vertical Plane Through Horizontal Angles (112.5-292.5)  
 — Horizontal Cone Through Vertical Angle (1)

RCR	Coefficients of Utilization											
	20%											
	80%			70%			50%					
pfc												
pcc												
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	
0	119	119	119	119	116	116	116	116	111	111	111	
1	109	105	101	97	107	103	99	96	98	95	93	
2	100	92	86	80	97	90	84	79	87	81	77	
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9	58	44	36	31	56	44	36	31	43	36	31	
10	54	41	33	28	53	41	33	28	40	33	28	

CP Summary		
	0°	90°
0°	0	0
5°	0	0
15°	0	0
25°	0	0
35°	0	0
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0

Zonal Lumen Summary		
	Lumens	%Fixture
0° - 20°	0	0
0° - 30°	0	0
0° - 40°	0	0
0° - 60°	0	0
0° - 80°	0	0
0° - 90°	0	0

## INDUSTRIAL AND HIGH-COMMERCIAL LIGHTING MANUFACTURER

### CLVS-WD Series

#### 4' Wide Style Vapor-Seal LED Luminaire



The CLSV Vapor-Seal series offers an industry-leading performance with deep energy savings and continuous dimming. This fixture is manufactured and designed using a gasketed enclosure to protect against dust, humidity and liquid spray. Easy installation for both surface-mount and suspended mount.

Perfect application for factories, tunnels, car washes, laboratories, cold storage, food processing and for vessels.



#### CONSTRUCTION

Polycarbonate housing, frosted lens, and stain-less clips offer protection against dust, humidity and water spray. Environmental-friendly powder coat painted reflector. Compact, slick profile design makes it easy for installation.

#### ELECTRICAL

Luminaire is built with the highest quality driver that is universal voltage 120-277V 50/60Hz, Class P and Class 2 with 2kV Surge Protection, uses highly-efficient LED packages to ensure cool temperatures for long lasting life span.

#### OPTICAL SYSTEM

Long life and high-efficiency surface mount LEDs. 100,000-hour LED lifespan based on LM-80 results and TM-21 calculations.

#### DIMMING

Continuous dimming (0-10V) comes standard. Compatible with dimmers, sensors and controls for deeper energy-savings.

#### MOUNTING

V-hooks/surface mount (included), 45° corner mount, and junction box.

#### ENERGY SAVINGS

Over 50% energy savings than traditionally fluorescent fixtures, low heat productions requires less maintenance and operation cost.

#### LISTING

UL Listed, IP66 Rated, NEMA 4X, NSF, RoHS

#### WARRANTY

5 year Limited Warranty

	WATTAGE	DELIVERED LUMENS	EFFICACY
4'	150W	20,400 @ 5000K	136 lm/W
	200W	27,200 @ 5000K	136 lm/W

#### TECHNICAL SPECIFICATION

CCT	5000K
CRI	80+
DIMMABLE	0-10V dimming
BEAM ANGLE	110°
VOLTAGE	120V-277V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	>0.9
THD	≤10%
TEMPERATURE RATED	-40°F ~ 122°F
IP RATING	IP66
WARRANTY	5 year limited

#### ORDERING SAMPLE:

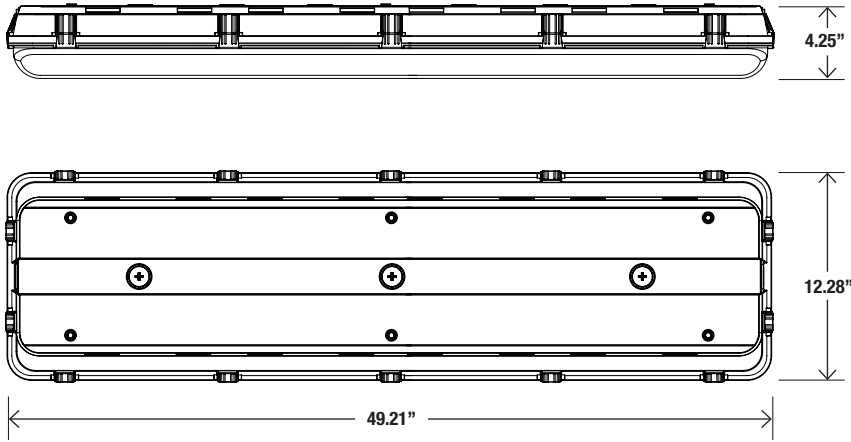
CLVS	WD	4FT	150W	50K	VH		
Series	Style	Size	Wattage	CCT	Mounting	EM Battery	Options
CLVS Vapor-Seal Series	WD - Wide	4FT - 4'	150W 200W	50K - 5000K	VH - V-Hooks SM - Surface Mount	PT-EMN - EM Battery	MS-MW - Motion Sensor MSH-RC2 - Remote Control

Catalog Number:	Note:
Project Name:	Type:

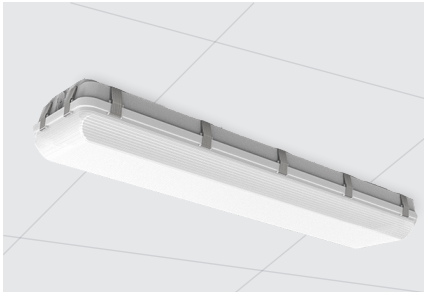
## INDUSTRIAL AND HIGH-COMMERCIAL LIGHTING MANUFACTURER

CLVS-WD SERIES

### DIMENSIONS



### MOUNTING OPTIONS



**SM**  
Surface mount  
(Included)



**V-HOOK**  
Suspended Mount (Included)



**A-CBL**  
Aircraft Cable  
(Chain or cable sold separate)

### MOTION SENSORS



**MS-MW**  
Motion Sensor



**MSH-RC2**  
Indoor Sensor Remote Programmer  
(Needed to program the motion sensor)

### EM BATTERY OPTION



**PT-EMN SERIES**  
Low Voltage EM  
Battery Back-up

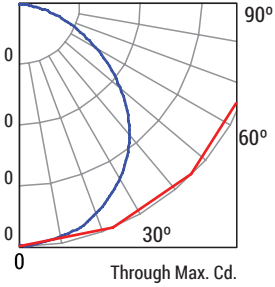
## INDUSTRIAL AND HIGH-COMMERCIAL LIGHTING MANUFACTURER

CLVS-WD SERIES

PHOTOMETRICS

**CLVS-4FT**      *Wattage: 50W*      *Delivered lumens: 6650*      *Efficacy: 133 lm/W*      *CCT: 5000K*      *CRI: 80*

Maximum Candela : 0



— Vertical Plane Through Horizontal Angles (112.5-292.5)  
 — Horizontal Cone Through Vertical Angle (1)

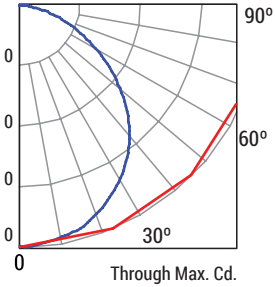
RCR	Coefficients of Utilization										
	20%										
	80%				70%				50%		
<i>plc</i>	<i>pcc</i>	<i>pw</i>	<i>pc</i>	<i>pw</i>	<i>pc</i>	<i>pw</i>	<i>pc</i>	<i>pw</i>	<i>pc</i>	<i>pw</i>	
0	119	119	119	119	116	116	116	116	111	111	111
1	109	105	101	97	107	103	99	96	98	95	93
2	100	92	86	80	97	90	84	79	87	81	77
3	91	81	73	67	89	80	72	67	77	70	65
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9	58	44	36	31	56	44	36	31	43	36	31
10	54	41	33	28	53	41	33	28	40	33	28

CP Summary		
	0°	90°
0°	0	0
5°	0	0
15°	0	0
25°	0	0
35°	0	0
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0

Zonal Lumen Summary		
	Lumens	%Fixture
0° - 20°	0	0
0° - 30°	0	0
0° - 40°	0	0
0° - 60°	0	0
0° - 80°	0	0
0° - 90°	0	0

**CLVS-4FT**      *Wattage: 50W*      *Delivered lumens: 6650*      *Efficacy: 133 lm/W*      *CCT: 5000K*      *CRI: 80*

Maximum Candela : 0



— Vertical Plane Through Horizontal Angles (112.5-292.5)  
 — Horizontal Cone Through Vertical Angle (1)

RCR	Coefficients of Utilization										
	20%										
	80%				70%				50%		
<i>plc</i>	<i>pcc</i>	<i>pw</i>	<i>pc</i>	<i>pw</i>	<i>pc</i>	<i>pw</i>	<i>pc</i>	<i>pw</i>	<i>pc</i>	<i>pw</i>	
0	119	119	119	119	116	116	116	116	111	111	111
1	109	105	101	97	107	103	99	96	98	95	93
2	100	92	86	80	97	90	84	79	87	81	77
3	91	81	73	67	89	80	72	67	77	70	65
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5	77	65	56	50	75	64	55	49	61	54	49
6	71	58	50	43	69	57	49	43	56	48	43
7	66	53	44	38	65	52	44	38	51	43	38
8	62	48	40	34	60	48	40	34	46	39	34
9	58	44	36	31	56	44	36	31	43	36	31
10	54	41	33	28	53	41	33	28	40	33	28

CP Summary		
	0°	90°
0°	0	0
5°	0	0
15°	0	0
25°	0	0
35°	0	0
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0

Zonal Lumen Summary		
	Lumens	%Fixture
0° - 20°	0	0
0° - 30°	0	0
0° - 40°	0	0
0° - 60°	0	0
0° - 80°	0	0
0° - 90°	0	0