

# COOPER LIGHTING - METALUX®

## DESCRIPTION

The Vaportight LED Series is an energy efficient industrial Vaportite fixture that features rugged and durable construction. The Vaportight LED incorporates a full metal fixture liner inside a reinforced fiberglass housing with a high impact diffuser. This Vaportite series is suitable for interior and exterior applications and can be surface or chain mounted.

The Vaportight LED Series has been designed for maximum operation in commercial institutional and industrial environments and can operate in a wide range of temperatures (-20°C to 25°C) and is ideal for cold storage environments.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

## SPECIFICATION FEATURES

### Construction

Fiberglass housing is reinforced polyester and self-extinguishing (ASTM-D635-74) plastic of a permanent pearl gray color. A watertite hub for 1/2" conduit entry is provided at each end of housing (standard) for continuous feed. Polyurethane gasketing is formed in the housing providing a continuous seamless seal for the diffuser. Four sturdy cam latches clamp diffuser tightly for a positive seal between housing, gasketing and diffuser.

### Electrical\*

Long-Life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3500 or 4000k with a CRI ≥ 85. Projected life is 50,000 hours at 70% lumen output. cULus listed. Electronic drivers are available for 120-277V applications. A 0-10V dimming control is available (standard).

### Lens

'DR' - Clear low brightness pattern acrylic with 50% high impact additive.  
 "DR-100" - Clear low brightness pattern acrylic with 100% high impact additive.

### Warranty

Vaportight LED features a five-year limited warranty.



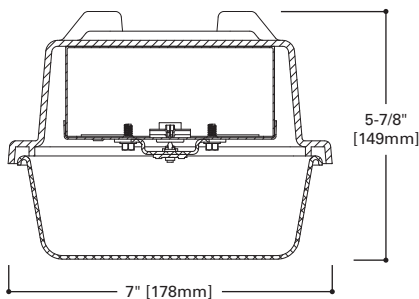
## Vaportight LED

2' INDUSTRIAL LED LAMP

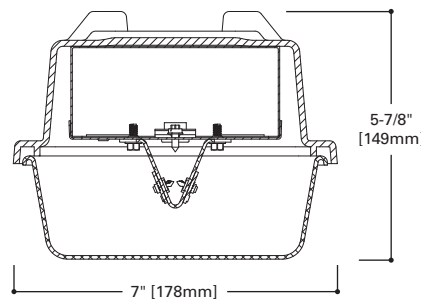
Vaportight Industrial Refrigerated Case



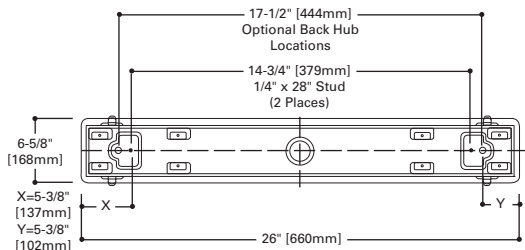
NARROW DISTRIBUTION



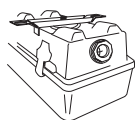
WIDE DISTRIBUTION



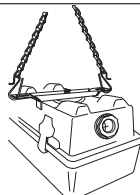
## MOUNTING DATA



## INSTALLATION DATA



**MOUNTING BRACKETS**  
 Furnished  
 Two per 2' and 4' Unit  
 Four per 8' Unit



**OPTIONAL CHAN HANGING SET**  
 (VT2-CHAIN/SET-U)  
 Includes 6 ft. of chain, 4 large S-Hooks and 4 small S-Hooks  
 Order One (1) Kit for each 2' or 4' Fixture  
 Two (2) Kits Recommended For 8' Fixture



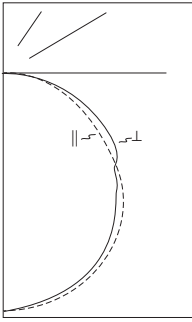
Safe and convenient means of disconnecting power.



\*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

\*\*Not Suitable for Wet Locations if EL4 Option is added. Consult Pre Sales Technical Support.

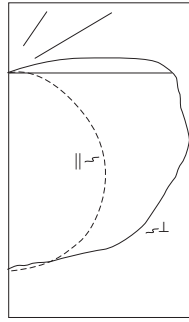
PHOTOMETRICS



**VT-LD2-30DR-UNV-L840**  
 Dimming Driver  
 Linear LED 4000K  
 Spacing criterion:  
 (II) 1.3 x mounting  
 height, (L) 1.3 x  
 mounting height  
 Lumens: 2953  
 Input Watts: 36W  
 Efficacy: 82 LPW  
 Test Report: P22200

Candlepower

Angle	Along II	45°	Across ⊥
0	908	908	908
5	903	905	905
10	900	898	893
15	891	880	882
20	874	863	851
25	838	827	815
30	801	789	779
35	755	740	736
40	701	688	669
45	636	618	611
50	565	541	561
55	483	479	521
60	402	444	460
65	326	416	379
70	257	352	303
75	197	268	226
80	149	196	150
85	107	131	87
90	41	72	43



**VT-LD2-27DR-W-UNV-L840**  
 Dimming Driver  
 Linear LED 4000K  
 Spacing criterion:  
 (II) 1.3 x mounting  
 height, (L) 1.7 x  
 mounting height  
 Lumens: 2927  
 Input Watts: 38W  
 Efficacy: 76 LPW  
 Test Report: P22487

Candlepower

Angle	Along II	45°	Across ⊥
0	529	529	529
5	528	523	523
10	524	519	518
15	513	517	520
20	501	511	523
25	481	500	527
30	459	492	541
35	430	488	548
40	400	480	549
45	365	462	542
50	325	433	530
55	281	406	526
60	238	386	520
65	196	380	523
70	157	375	515
75	122	363	485
80	94	344	465
85	72	313	454
90	46	272	435

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance 20%																	
	80%				70%				50%				30%					
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0%
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	107	101	96	92	103	99	94	90	94	90	87	89	86	84	85	83	81	78
2	96	87	80	74	93	85	78	73	81	75	70	77	73	68	74	70	66	64
3	88	76	68	61	85	74	66	60	71	64	59	68	62	57	65	60	56	53
4	80	67	58	51	77	66	57	51	63	55	50	60	54	49	58	52	48	45
5	73	60	51	44	71	59	50	43	56	49	43	54	47	42	52	46	41	39
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	47	41	36	34
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	43	37	32	30
8	58	45	36	30	57	44	35	30	42	35	29	41	34	29	39	33	29	27
9	55	41	32	27	53	40	32	27	39	31	26	37	31	26	36	30	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance 20%																	
	80%				70%				50%				30%					
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0%
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	101	94	88	82	97	91	85	80	84	79	75	78	74	71	72	69	66	63
2	90	79	71	63	86	76	68	61	71	64	58	65	60	55	61	56	52	49
3	81	68	58	50	77	66	56	49	61	53	47	56	50	44	52	47	42	39
4	73	59	49	41	70	57	48	41	53	45	39	49	42	37	46	40	35	32
5	67	53	42	35	64	51	41	34	47	39	33	44	37	31	41	35	30	27
6	62	47	37	30	59	45	36	29	42	34	28	39	32	27	37	30	26	23
7	57	42	33	26	54	41	32	25	38	30	24	36	29	23	33	27	22	20
8	53	38	29	23	51	37	28	22	35	27	22	32	26	21	30	24	20	18
9	49	35	26	20	47	34	26	20	32	24	19	30	23	18	28	22	18	16
10	46	32	24	18	44	31	23	18	29	22	17	28	21	17	26	20	16	14

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	717	24.3
0-40	1181	40.0
0-60	2102	71.2
0-90	2860	96.9
0-180	2953	100.0

Luminaire Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	7016	5743	4904
55	6162	4886	4426
65	5115	4866	3534
75	4178	3810	2417
85	3672	2469	1130

Zonal Lumen Summary

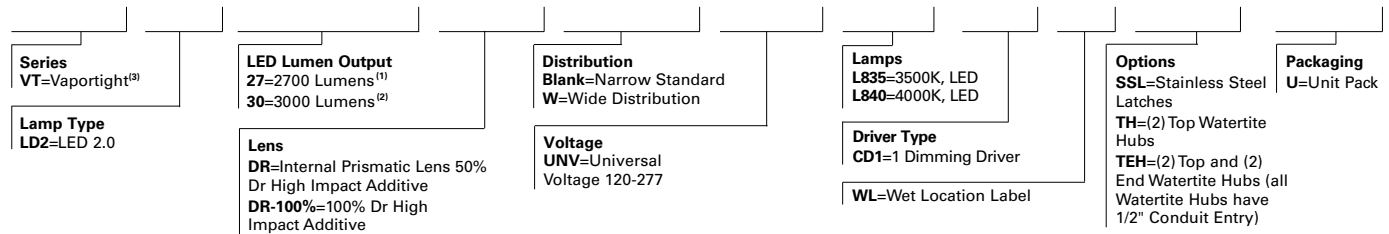
Zone	Lumens	%Fixture
0-30	437	14.9
0-40	753	25.7
0-60	1501	51.3
0-90	2582	88.2
0-180	2927	100.0

Luminaire Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	4474	5479	5382
55	4118	5956	5218
65	3711	6970	4980
75	3409	8154	4862
85	4072	10780	5995

ORDERING INFORMATION

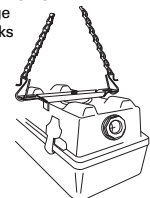
SAMPLE NUMBER: VT-LD2-30DR-UNV-L840-CD-WL-U



NOTES: <sup>(1)</sup> Only available in wide distribution. <sup>(2)</sup> Only available in narrow distribution. <sup>(3)</sup> DesignLights™ Consortium Qualified in select models. Consult www.designlights.org for the latest qualified products.

Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.

**Accessories (order separately)**  
**VT2-Chain/Set-U=Chain Hanging Set**  
 Includes 6 ft. of chain, 4 large S-Hooks and 4 small S-Hooks  
 Order One (1) Kit for each 2' or 4' Fixture  
 Two (2) Kits Recommended For 8' Fixture  
**VT2-SS-MBK=Stainless Steel Mounting Bracket**



SHIPPING INFORMATION

Catalog No.	Wt.
VT-300R	10 lbs.

