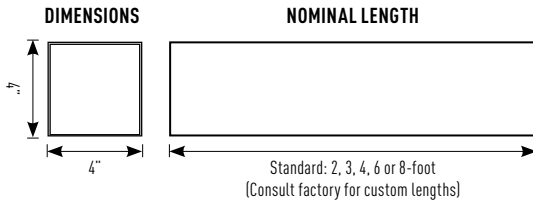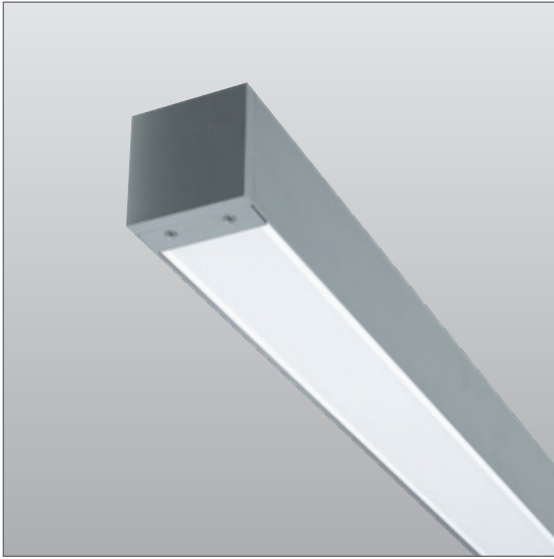# VAN-LED-400 / Surface Mount

VANESSA 4'' Square LED Wet Location Luminaire w/ Surface Mount Options

TYPE:

JOB NAME:

Light Output	Nominal Delivered	System Wattage	Efficacy
Frosted White Lens / 4000K / 80 CRI			
SLO	393 lm/ft	4.4 W/ft	89.4 lm/W
HLO	756 lm/ft	9 W/ft	84 lm/W

Wattage includes driver and LED Module consumption. Delivered lumen output will vary depending on CCT, CRI and Optic selection.

CONSTRUCTION
Heavy gauge square extruded aluminum housing. Precision-machined aluminum end-caps. Extruded acrylic lenses. Stainless steel hardware. Concealed weather-seal gaskets at end caps, lens and power entry on all stand-alone or continuous run fixtures with an IP65 rating. Feed points accept 1/2" trade size threaded wet location conduit fittings.

MOUNTING OPTIONS
(WM) Wall Mount, (CM) Ceiling Mount, (MM) Mullion Mount or (REC) Recessed

FINISHES
(SL) Silver Matte Texture, (MW) Matte White, or (FB) Flat Black. Other powder coat finishes available. Consult factory for details.

LED LIGHT ENGINE SYSTEM
LED Light Engines are available as HLO (High Lumen Output) and SLO (Standard Lumen Output) providing efficient illumination. CLO (Custom Lumen Output) allows for end user specified lumen output or tailored wattage consumption for certain models. Consult factory for details.

DIMMING
Dimming is available with a variety of control protocols and options. Consult factory for availability and specifications.

ACRYLIC LENS OPTIONS
(FW) Frosted White impact resistant extruded lens.

FIXTURE LENGTH
Fixtures are available in 2', 3', 4', 6' and 8' nominal lengths. Continuous run mounting available featuring water-sealed gaskets within knock-outs for maintaining WL rating. See installation section for more details.

ELECTRICAL
Rated for operation with ambient temperatures not to exceed 40°C. Use specification code "HAT" for applications where ambient will be between 40° and 45°C. The "HAT" option is a thermistor which will control internal temperatures so as not to exceed internal device maximum temperature. At certain temperature thresholds, fixture will dim light output to keep internal temperatures within the acceptable range.

LISTING / WARRANTY
- 5-Year Limited Warranty
- UL listed to US and Canadian standards for wet locations
- IP65 Rated

DIMENSIONS

4"

4"

NOMINAL LENGTH

Standard: 2, 3, 4, 6 or 8-foot
(Consult factory for custom lengths)

ORDERING CODE: **(Example:** VAN-LED-400-SLO-309-8-DR-WM-STND-MW-FW-120-D1**)**

1	2	3	4	5	6	7	8	9	10	11	12

1: Model

VAN-LED-400 (VANESSA 4'' Square LED Wet Location Luminaire)

2: Light Output

- **-SLO** (Standard Lumen Output)
- **-HLO** (High Lumen Output)
- **-CLO** (Custom Lumen Output, See CLO Calculator)

3: CCT/CRI

- **-279** (2700K / 90CRI)
- **-30** (3000K / 82CRI)
- **-309** (3000K / 90CRI)
- **-35** (3500K / 82CRI)
- **-359** (3500K / 90CRI)
- **-40** (4000K / 82CRI)
- **-409** (4000K / 90CRI)

4: Nominal Length

- **-2** (2ft)
- **-4** (4ft)
- **-6**[4] (6ft)
- **-8**[4] (8ft)
- **-CR_**[1] (Continuous Run - Note length in feet)

5: Distribution

- **-DR** (Direct)

6: Mounting

- **-WM** (Wall Mount)
- **-CM** (Ceiling Mount)
- **-MM** (Mullion Mount)
- **-REC** (Recessed)

7: Power Feed

- **-STND** (Standard)
- **-EFL** (End Feed Left)
- **-EFR** (End Feed Right)
- **-EF2** (End Feed Both)
- **-JBE** (J-Box Extender)

8: Finishes

- **-SMT** (Silver Matte Textured, Powder Coat)
- **-MW** (Matte White, Powder Coat)
- **-FB** (Flat Black, Powder Coat)
- **-CUP**[2] (Custom Powder Coat, Consult Factory)

9: Lens/Optics

- **-FW** (Frosted White)

10: Voltage

- **-120** (120V)
- **-277** (277V)
- **-347** (347V)

11: Dimming

- **-D1** (0-10V Dimming 1%)

12: Options

- **-EM**[3] (Emergency Backup)
- **-HAT** (High Ambient Temperature)

NOTES:

1. Specify length in nominal feet
2. Contact factory for custom powder coat finish
3. EM's are remote mounted along with the test switch in a dry location, Consult factory for more info
4. 6' & 8' Lengths are made up with (2) 3' fixtures or (2) 4' fixtures respectively

BIRCHWOOD | a **LEVITON** company
lighting

VAN-LED-400 / Surface Mount

VANESSA 4'' Square LED Wet Location Luminaire w/ Surface Mount Options

CEILING MOUNT

1"

Left Feed (EFL)

Mounting Bracket

J-Box Extender (JBE)

Right Feed (EFR)
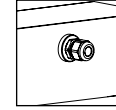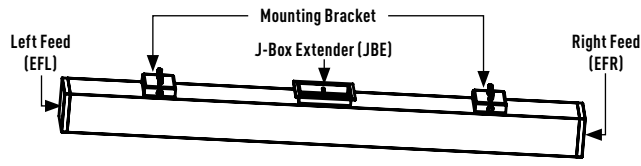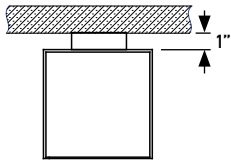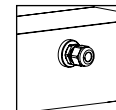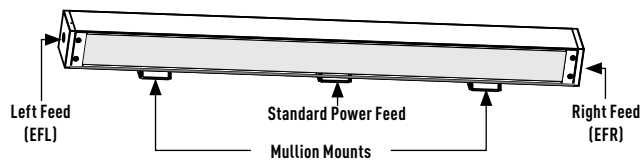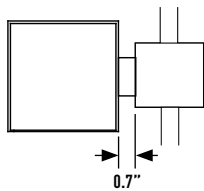
Standard Power Feed (1/2: NDT Liquid tight cord grip by others)

WALL MOUNT

1"

Left Feed (EFL)

J-Box Extender (JBE)

Right Feed (EFR)

Mounting Bracket
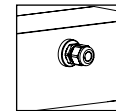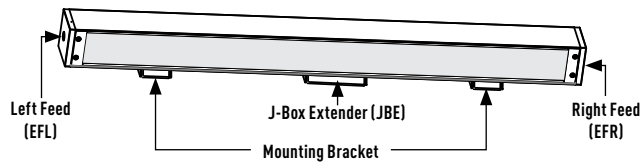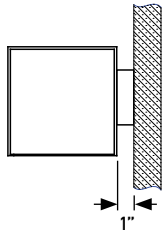
Standard Power Feed (1/2: NDT Liquid tight cord grip by others)

MULLION MOUNT

0.7"

Left Feed (EFL)

Standard Power Feed

Mullion Mounts

Right Feed (EFR)

Standard Power Feed (1/2: NDT Liquid tight cord grip by others)

RECESSED

1/2"

4-1/2"

4-1/4"

Left Feed (EFL)

Mounting Bracket

J-Box Extender (JBE)

Right Feed (EFR)

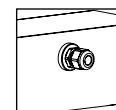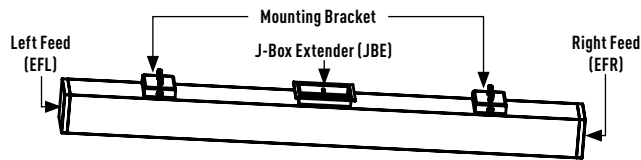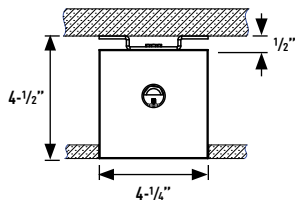Standard Power Feed (1/2: NDT Liquid tight cord grip by others)

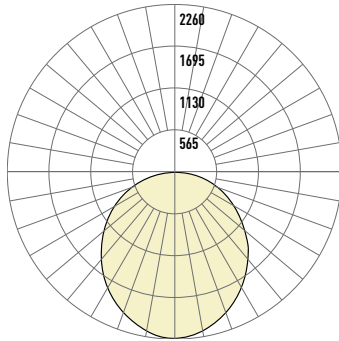**BIRCHWOOD** lighting | a **LEVITON** company

VAN-LED-400 / Surface Mount

VANESSA 4'' Square LED Wet Location Luminaire w/ Surface Mount Options

TYPE:

JOB NAME:

VAN-LED-400-HLO-30-4

PHOTOMETRIC CURVE:

2260
1695
1130
565

Direct (FW): 1182 lm/ft	**Wattage:** 36W
Total Lumens (4ft): 4728 lm	**CCT/CRI:** 3000K / 80CRI
Efficacy: 131 lm/W	

LUMINANCE DATA (cd/sq.m):

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7349	4196	7072
55	7103	6939	6820
65	6998	6815	6672
75	6689	6248	5754
85	6314	4330	3208

CANDELA DISTRIBUTION:

	0	10	20	30	40	50	60	70	80	90
0	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022
5	1023	999	1009	1017	1018	1016	1028	1012	1034	1007
10	1006	992	1011	1009	1007	1003	996	999	1006	1008
15	969	971	980	973	970	975	978	967	971	970
20	927	938	945	943	935	932	937	936	934	928
25	889	898	892	901	896	887	884	895	884	883
30	840	845	846	844	841	839	832	835	835	830
35	782	782	785	784	783	775	777	774	773	773
40	724	726	725	718	722	716	714	710	708	711
45	658	660	656	653	644	645	643	643	640	634
50	591	586	583	581	577	575	574	571	571	566
55	516	510	502	508	507	502	495	494	496	496
60	445	443	440	438	434	434	436	433	433	434
65	375	371	367	365	367	362	367	364	360	357
70	298	291	292	291	287	286	283	281	274	270
75	219	213	216	213	209	201	201	196	191	189
80	146	143	139	135	131	125	121	117	113	113
85	70	68	62	57	51	45	41	38	35	35
90	0	0	0	0	0	0	0	0	0	0

ZONAL LUMEN:

Zone	Lumens
0-10	97
10-20	275
20-30	411
30-40	488
40-50	500
50-60	452
60-70	360
70-80	217
80-90	62

CCT SCALING FACTOR

CCT	2700K	3000K	3500K	4000K
80 CRI	-	0.97	1.00	1.02
90 CRI	0.79	0.83	0.86	0.88

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