

HIGH PERFORMANCE FULL CUT OFF WALL PACK
FORM AND FUNCTION

- Sleek, low profile housing
- Spec grade performance
- Engineered for optimum thermal management
- L70 480,000
- Reduces energy consumption and costs up to 65%

CONSTRUCTION

- Die Cast Aluminum
- Internal cooling fins, Finite Element Analysis (FEA) designed
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP-65 seal for electronics compartment
- Two-piece silicone Micro Optic system ensures IP-67 level seal around each PCB
- Silicone Micro Optics: Recessed, full cutoff, vandal resistant and non-yellowing

FINISH

- 3-5 mils electrostatic powder coat.
- NLS' standard high-quality finishes prevent corrosion protects against and extreme environmental conditions

WARRANTY

Five-year standard warranty


LISTINGS

- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- DesignLights Consortium® (DLC)
- DesignLights Consortium Premium® (DLC P)
- IP65/ IP67 Rated


LED WATTAGE CHART

	16L	32L
350 milliamps	19w	-
530 milliamps	29w	-
700 milliamps	37w	71w
1050 milliamps	56w	-

Project Name:

Type:

Cat #	Light Dist.	No. of LEDs	Milliamp	Kelvin	Volts	Mounting	Color	Options
NV-W (NV-W)	Type 2 (T2)	16 (16L)	350	3000K	120-277	Wall Mount (WM)	Bronze (BRZ)	Marine Grade Finish (MGF)
		32 (32L)	(35)	(30K)	(UNV)		White (WHT)	Dimming Control with Motion Sensor
	Type 3 (T3)	*700mA only	530	4000K			Silver (SVR)	*8' Heights and Below (DC8)
	Type 4 (T4)		700	5000K			Black (BLK)	*9'-20' Heights (DC20)
			1050	(50K)			Graphite (GPH)	*21'-40' Heights (DC40)
							Grey (GRY)	Surge Protector (10K)
							Custom (CS)	Emergency Battery 4W (EM4)
								*516 - 564 Lumens
								Emergency Battery 8W (EM8)
								*1032 - 1128 Lumens
								Emergency Battery 16W (EM16)
								*2064 - 2256 Lumens
								Emergency Cold Pk Battery (EMCP)
								*14 Watt
								*1806 - 1974 Lumens
								Housing Extension (HE)
								*To match EM Extension Box
								Button Photo Cell (PC)
								*Universal Voltage 120-277

ELECTRICAL

- 120-277 Volts (UNV)
- 0-10V dimming driver by Philips Advance
- Driver power factor at maximum load is $\geq .95$, THD maximum load is 15%
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in enclosed IP-65 compartment
- Lumileds Luxeon MX LED's
- CRI >70 MIN.
- Color temperatures: 3000K, 4000K, 5000K

OPTIONS

- **MARINE GRADE FINISH (MGF)**—A multi-step process creating protective finishing coat against harsh environments.
 - Chemically washed in a 5 stage cleaning system.
 - Pre-baked
 - Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer.
 - 1-2 feet inside pole coverage top and bottom.
 - Oven Baked.
 - Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- **VANITY PLATE (VP)**—The Vanity Plate was designed to cover the unsightly remains on a wall where a larger HID wallpack was removed. The Vanity Plate will be painted to match the finish of the NV-W, custom finishes are available, please consult factory. The standard Vanity Plate is 16" x 16".

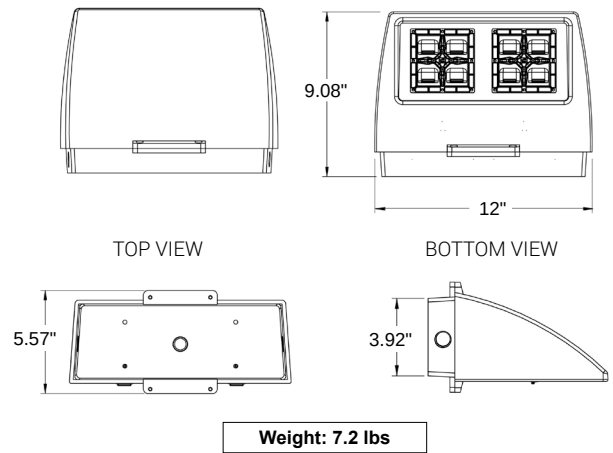
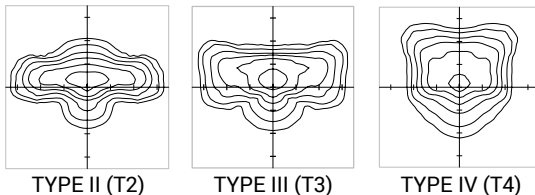
CONTROLS

- **DIMMING CONTROL (DCX)**—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
 - All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
 - DC8 mounting heights 8 feet and below
 - DC20 mounting heights 9-20 feet
 - DC40 mounting heights 21-40 feet.
 - Includes 5 dimming event cycles, 0-10V dimming with motion sensing, reprogrammable in the field.
- **NEMA 7-PIN RECEPTACLE (PE7)**—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.
- **EMERGENCY BATTERY OPERATION**—The emergency battery backup is integral to the NV-W. All emergency backup configurations include a standalone secondary driver with integral relay to detect power loss. This meets NFPA 70/NEC 2008. The emergency battery will power the NV-W for 90 minutes once power is lost. Emergency battery pack are of NiCAD batteries. (EMCP) Emergency Cold Pack Batteries are rated for -20°C to 50°C.

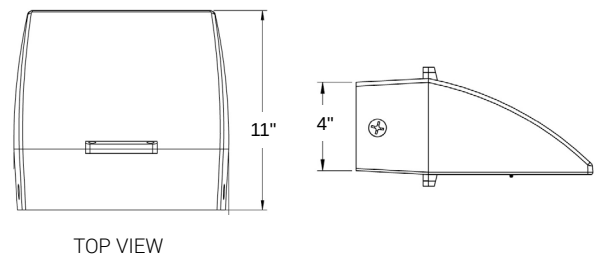
OPTICS

Silicone optics high photothermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life. UV and thermal stability with scratch resistance increases exterior application durability.

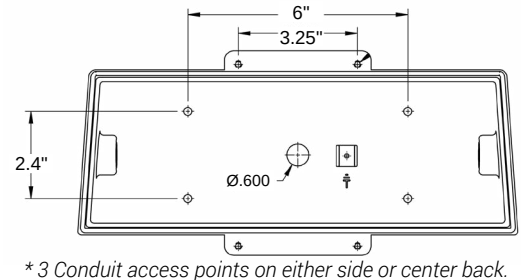
- IES Types



EMERGENCY BATTERY AND 7-PIN EXTENSION BOX DIMENSIONS



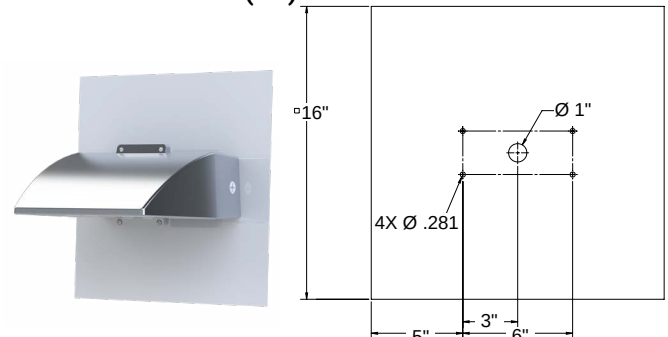
MOUNTING HOLE



MOTION SENSOR PLACEMENT



VANITY PLATE (VP)



LUMENS							
PART NUMBER	T2	LM/W	T3	LM/W	T4	LM/W	W
NV-W 16L-35-30K	2470	130	2499	132	2470	130	19
NV-W 16L-35-40K	2618	138	2648	139	2618	138	19
NV-W 16L-35-50K	2618	138	2648	139	2618	138	19
NV-W 16L-53-30K	3544	122	3579	123	3544	122	29
NV-W 16L-53-40K	3756	130	3794	131	3756	130	29
NV-W 16L-53-50K	3756	130	3794	131	3756	130	29
NV-W 16L-7-30K	4388	119	4432	120	4388	119	37
NV-W 16L-7-40K	4651	126	4698	127	4651	126	37
NV-W 16L-7-50K	4651	126	4698	127	4651	126	37
NV-W 16L-1-30K	5970	107	6029	108	5970	107	56
NV-W 16L-1-40K	6328	113	6391	114	6328	113	56
NV-W 16L-1-50K	6328	113	6391	114	6328	113	56
NV-W 32L-7-30K	9010	127	9100	128	9010	127	71
NV-W 32L-7-40K	9550	135	9646	136	9550	135	71
NV-W 32L-7-50K	9550	135	9646	136	9550	135	71

BUG RATINGS				
PART NUMBER	T2	T3	T4	W
NV-W-16L-35-30K	B1-U0-G1	B1-U0-G1	B1-U0-G1	19
NV-W-16L-35-40K	B1-U0-G1	B1-U0-G1	B1-U0-G1	19
NV-W-16L-35-50K	B1-U0-G1	B1-U0-G1	B1-U0-G1	19
NV-W-16L-53-30K	B1-U0-G1	B1-U0-G1	B1-U0-G1	29
NV-W-16L-53-40K	B1-U0-G1	B1-U0-G1	B1-U0-G1	29
NV-W-16L-53-50K	B1-U0-G1	B1-U0-G1	B1-U0-G1	29
NV-W-16L-7-30K	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
NV-W-16L-7-40K	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
NV-W-16L-7-50K	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
NV-W-16L-1-30K	B1-U0-G1	B2-U0-G2	B1-U0-G2	56
NV-W-16L-1-40K	B1-U0-G1	B2-U0-G2	B2-U0-G2	56
NV-W-16L-1-50K	B1-U0-G1	B2-U0-G2	B2-U0-G2	56
NV-W-32L-7-30K	B2-U0-G2	B2-U0-G2	B2-U0-G2	71
NV-W-32L-7-40K	B2-U0-G2	B2-U0-G2	B2-U0-G2	71
NV-W-32L-7-50K	B2-U0-G2	B2-U0-G2	B2-U0-G2	71

L70 DATA

TEMP.	NV-W
	L70 (16L-1050mA)
60.2°C	483,000

TEMP.	NV-W
	L70 (32L-700mA)
63°C	483,000

EMERGENCY BATTERY BACK-UP LUMENS							
PART NUMBER	T2	LM/W	T3	LM/W	T4	LM/W	W
EM4-30K	520	130	524	131	516	129	4
EM4-40K	544	136	548	137	540	135	4
EM4-50K	560	140	564	141	556	139	4
EM8-30K	1040	130	1048	131	1032	129	8
EM8-40K	1088	136	1096	137	1080	135	8
EM8-50K	1120	140	1128	141	1112	139	8
EM16-30K	2080	130	2096	131	2064	129	16
EM16-40K	2176	136	2192	137	2160	135	16
EM16-50K	2240	140	2256	141	2224	139	16
EMCP-30K	1820	130	1834	131	1806	129	14
EMCP-40K	1904	136	1918	137	1890	135	14
EMCP-50K	1960	140	1974	141	1946	139	14