

NOVA UP/DOWN 24"x24"

Architectural LED Pendant Luminaire

PLT PremiumSpec



NOVA Up/down square LED pendant delivers an aesthetic, stylish architectural solution which creates stunning forms only 1.5" high. It combines clean lines and thin, square forms to enhance the decor. The unique design is nearly transparent when off and provides excellent uniformity and efficiency when on, reaching 55% downlighting and 45% uplighting distribution. This creates the illusion that the light floating in mid-air. It is perfect for applications that include conference rooms, open offices, retail settings, or anywhere you want to make a statement.

Features

Semi-transparent optics

CCT adjustable 3000K/ 3500K/ 4000K

Wattage selectable

100lm/w, 24"x24"

55% downlight and 45% uplight distribution*

External driver with 0-10V dim, dim to 1%



PERFORMANCE

SKU #	Dimension	Wattage Selectable	Efficacy	Lumens	Finish
PLT-90467	24"x24"	50W/40W/30W	100lm/w	Up to 5000lm*	White
PLT-90468	24"x24"	50W/40W/30W	100lm/w	Up to 5000lm*	Black

*Output will vary depending on the wattage and color temperature selected. For a full breakdown, see the Selectable Table on Page 3.

All efficacy is $\pm 5\%$ base on different CCT. Check the IES file to gain the accurate data .

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STRUCTURE

► Optics

High precision light guide made of PMMA material, allows distribution of controlled light to create 45% uplight, 55% downlight light distribution.

► Finish

Extruded aluminum housing.

Powder coat black finish is standard. Optional white or custom.

► Electrical

Driver	External, class 2, high efficiency LED driver.
Dimming	Standard constant current electronic driver with 1-10V dimming, dim to 1% . Tested Dimmers : LEVITON DD710, LUTRON NTSTV-DV, LEGRAND RH4FBL3PTC, LUTRON DVSTV, LEVITON IP710.
THD	<20%
Power Factor	>0.9
Input Voltage	120-277V Standard .120-347V * optional

► LED System

CRI	Minimum 90 color rendering index
CCT	CCT adjustable from 3000K, 3500K and 4000K with a great color consistency.
LED	Life minimum 50,000h with 87.8% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Environment	Damp rated in operating ambient temperatures of -20~40°C.

► Approvals

- cULus listed for damp locations
- 5 years limited warranty

► Optional Function

Emergency Option



NPS-00005
Special Order
Call 1-800-624-4488

Optional low voltage 8W emergency LED driver can be provided. When AC power fails, it immediately switches to the emergency mode, operating for lighting up to 120 minutes. When AC power is restored, it automatically returns to the charging mode which meets critical life-safety lighting requirements. For more info or spec sheet, please visit our website or contact sales.

Emergency Lumen Output:

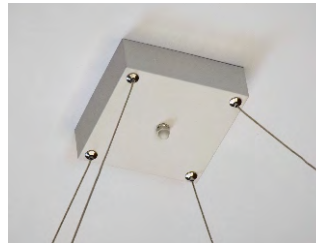
FIXTURE EFFICACY	OUTPUT POWER 8W
100lm/w	800 Lumens

► Mounting

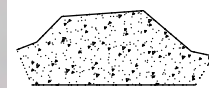
Pendant

Dry ceiling or T-Grid ceiling compatible.

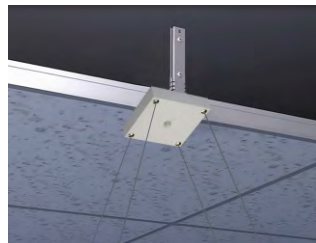
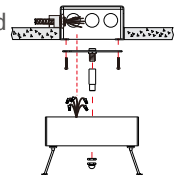
Cable lengths of 8ft is standard, 12ft or others are available**.



Dry Ceiling / Off Grid



"Various Hard Ceilings"
(Mount to J-box)



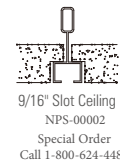
*Please see the installation instruction for more details.

Drop Ceiling / On Grid

Suspending the luminaire in the T-grid. Compatible for various T-grid, including 9/16" Flat, 9/16" Slot, 15/16" Flat.



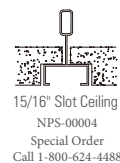
9/16" Flat Ceiling
NPS-00001
Special Order
Call 1-800-624-4488



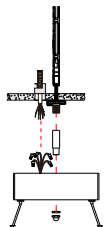
9/16" Slot Ceiling
NPS-00002
Special Order
Call 1-800-624-4488



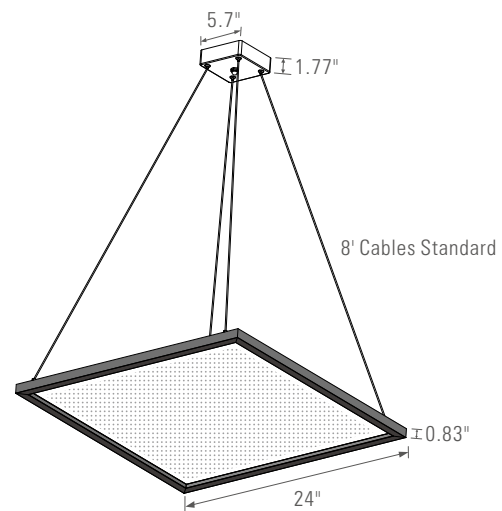
15/16" Flat Ceiling
NPS-00003
Special Order
Call 1-800-624-4488



15/16" Slot Ceiling
NPS-00004
Special Order
Call 1-800-624-4488



DIMENSIONS



*120-347V Version - NPS-00007 Special Order. Call 1-800-624-4488

** 12ft Cable - NPS-00006 Special Order. Call 1-800-62404488 | For other length options, call 1-800-624-4488.

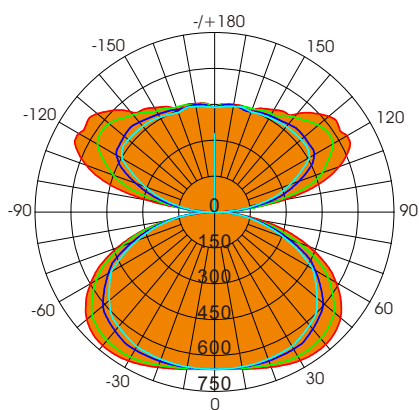
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DISTRIBUTION DIAGRAM

24"x24"/45% Up,55% Down/ 3000K



Test Number: UDS-TW-24

Lumens: 5385 Lm

Watts: 51.68 W

LPW: 104.19 Lm/W

CCT: 3000K

UNIT: cd

— C0/180, 360°

— C30/270, 360°

— C60/240, 360°

— C90/270, 360°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	659.2	657.8	656.7	658.1	659.2
10	666.2	661.0	656.7	661.7	666.5
15	676.7	665.7	656.5	667.1	677.2
20	689.8	671.6	653.8	673.8	690.6
25	704.3	675.2	650.8	678.4	705.6
30	716.3	676.6	647.8	680.9	718.5
35	722.7	675.3	632.5	681.2	726.8
40	721.9	668.3	617.2	676.0	728.2
45	711.9	645.4	599.1	654.3	720.0
50	687.2	615.8	559.0	625.2	697.5
55	643.9	577.8	516.1	587.1	657.1
60	585.3	513.9	473.3	523.0	559.6
65	514.2	441.7	389.8	451.4	527.7
70	419.4	357.3	306.4	364.5	431.7
75	314.8	261.7	223.9	264.4	322.5
80	193.0	167.2	149.6	167.9	192.7
85	58.09	84.03	76.30	85.15	49.39
90	1.092	2.997	2.993	2.758	1.065
95	65.96	120.7	92.26	124.4	47.23
100	294.4	239.6	181.5	245.4	283.9
105	450.6	332.5	268.1	338.4	459.8
110	552.1	416.7	333.5	423.6	569.3
115	619.1	482.3	396.2	491.5	639.8
120	639.5	510.3	458.9	516.6	657.0
125	630.8	519.9	472.3	525.6	652.1
130	623.1	528.2	471.6	536.4	640.5
135	585.0	511.6	469.2	518.3	601.7
140	536.2	488.8	466.8	496.8	546.8
145	510.5	482.1	461.9	490.1	523.8
150	494.4	470.1	456.8	474.8	504.4
155	478.0	461.1	451.7	467.4	486.6
160	450.5	458.7	446.5	463.3	456.1
165	458.7	447.9	453.0	450.9	464.6
170	456.7	451.4	448.8	455.2	460.6
175	454.4	452.1	443.2	452.5	456.4
180	437.7	437.7	437.7	437.7	438.1
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-5	15.72
5-10	62.92
10-15	141.7
15-20	252.1
20-25	393.7
25-30	565.8
30-35	766.5
35-40	992.3
40-45	1239
45-50	1499
50-55	1764
55-60	2023
60-65	2266
65-70	2477
70-75	2645
75-80	2767
80-85	2838
85-90	2861
90-95	2888
95-100	2977
100-105	3128
105-110	3326
110-115	3555
115-120	3803
120-125	4051
125-130	4285
130-135	4499
135-140	4690
140-145	4855
145-150	4997
150-155	5116
155-160	5213
160-165	5288
165-170	5342
170-175	5374
175-180	5385
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	18514	24318
80	30870	23932
75	33781	24034
70	34061	24883
65	33798	25623
60	32518	26294
55	31181	24997
50	29699	24157
45	27965	23535

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Selectable Table

SKU	Wattage	CCT	Total Lumens	LPW	Uplight Lumens	Downlight Lumens
PLT-90467	30W	3000K	3222	107	1772	1450
		3500K	3373	112	1855	1518
		4000K	3377	113	1857	1520
	40W	3000K	4147	104	2281	1866
		3500K	4391	110	2415	1976
		4000K	4347	109	2391	1956
	50W	3000K	5053	101	2779	2274
		3500K	5376	108	2957	2419
		4000K	5298	106	2914	2384
PLT-90468	30W	3000K	2991	100	1645	1346
		3500K	3125	104	1719	1406
		4000K	3132	104	1723	1409
	40W	3000K	3861	97	2124	1737
		3500K	4078	102	2243	1835
		4000K	4041	101	2223	1818
	50W	3000K	4726	95	2599	2127
		3500K	5081	100	2760	2258
		4000K	4953	99	2724	2229