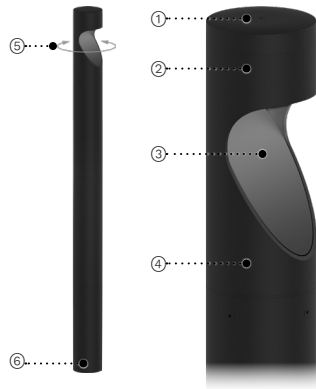


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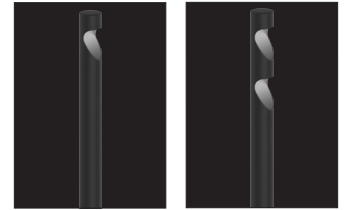
QUANTITY:

TYPE:

ORDERING CODE:

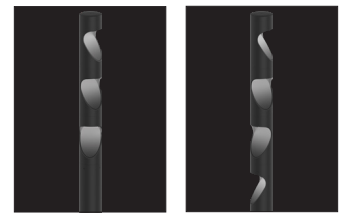


- ① Heavy cast aluminum top cover.
- ② Optical system assembly.
- ③ Access door to rotation mechanism.
- ④ Ø6" (152mm) extruded aluminum body.
- ⑤ Modules rotate 355° and are field-adjustable (shipped facing same direction)
- ⑥ Cast aluminum mounting base or base cover.



LN601

LN602



LN603

LN604



MATERIALS

Inline is made of corrosion resistant 356 heavy duty cast aluminum alloy with a copper (CU) content of less than 0.1% with stainless steel hardware.

ELECTRICAL DRIVER

Driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperatures of -40°C/-40°F to 55°C/131°F, output over voltage protection, output over current protection, output short circuit protection with auto-recovery.

LED LIGHT ENGINE

Offered in 2700K/3000K/3500K/4000K CCT with 80 CRI. Optional true amber LED for turtle sensitive areas. Wavelengths: 585nm to 597nm. 70% LED lumen maintenance at 60,000 hours (L70/B50) based on IESNA LM-80-08 LED extrapolated life, calculated per IESNA TM-21-21.

FINISH

Five-stage preparation process including preheating of cast aluminum parts for air extraction, and an environmentally friendly alloy sealant. Polyester powder coating is applied through an electrostatic process and oven cured for long term finish.

CERTIFICATION

UL Certified to Canadian and U.S. safety standards. Certified for use in wet locations. Rated IP65. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Actual performance may differ as a result of end-user environment and application.

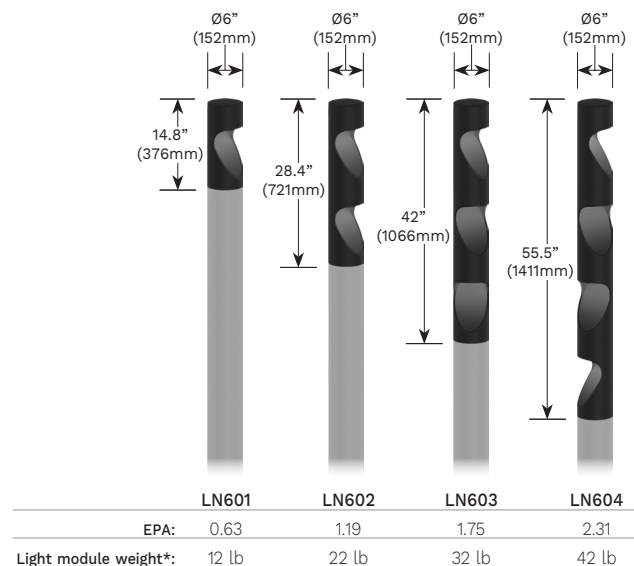
WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: <https://www.acuitybrands.com/support/warranty/terms-and-conditions>

MOUNTING

Mounts with a set of 4 x 1/2"-13 x 18" lg. or 3/4"-10 x 18" lg. galvanized anchor bolts. See mounting details for more information.

MEASUREMENTS



* Pole weights not included here. Refer to to page 9 for different pole weights and additional EPA information.

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LN601/LN602/LN603/LN604

Rev. 05/06/25

ORDERING CODE

*SERIES	*LIGHT OUTPUT	*DISTRIBUTION	*COLUMN POLE	*CCT ²	*VOLTAGE
LN601 	<u>Static White</u>	NR Narrow optics 15°	LNP696 8'	27K 2700K	120 120V
	L1L20 2143 lm / 23w	FLD Flood optics 30°	LNP6120 10'	30K 3000K	277 277V
	L1L30 3156 lm / 36w	VWD Wide flood optics 55°	LNP6144 12'	35K 3500K	347 347V
	L1L40 4191 lm / 53w	LD3 Type III, Short	LNP6168E 14'	40K 4000K	480 480V
	L1L50 4809 lm / 64w		LNP6192E 16'	AMB Wavelengths: 585nm to 597nm	HVOLT 347V-480V
	<u>True Amber</u>		LNP6216E 18'		MVOLT 120V-277V
	L1LK2A 229 lm / 11w ¹		LNP6240E 20'		
	Delivered lumens calculated at 4000K/80CRI except for amber. FLD distribution. Typical power consumption. Refer to LCF table for outputs at other CCTs.	For LCF refer to chart	For overall height by series refer to chart on pg 6.		

CONTROLS	FUSE	PHOTOCELL	MOTION SENSOR	SURGE PROTECTOR
NLTH nLight AIR 2.0 control mounted on top of fixture head with black antenna ³	FS Fuse	PH Photocell	MS PIR motion sensor ^{4,5}	SP Surge protector 10KV

GFI	*FINISH ¹⁰	WOOD FINISH ¹³	ENVIRONMENT	LESS ANCHOR BOLTS
CGF Circuit ground fault interruption receptacle with clear in-use cover ^{6,7,8}	BKT Jet black	ADG American douglas	MG Marine grade paint ¹⁴	L/AB Less anchor bolts
GFI Circuit ground fault interruption receptacle ^{6,7,9}	BZT Bronze	BRC Birch		
	CHT Champagne	CHN Chestnut		
	DGT Gun metal	CRY Cherry		
	GRT Titanium gray	KNP Knotty pine		
	MST Matte silver	MPL Maple		
	SGT Steel gray	OFL Oak		
	WHT Snow white	RSW Rosewood		
	CMC Custom matched color ¹¹	TEK Teak		
	RAL RAL color ¹²	WLN Walnut		

NOTES

- *- Denotes a required field
- 1- Available only with AMB.
- 2- For IDA certification compliance, luminaire must be ordered with 3000K or warmer.
- 3- Not available with L1L50, PH, MS, 347V and 480V, HVOLT. Must link to external nLight Air network. Dims to 10%.
- 4- Not available with PH, 347V, 480V, HVOLT.
- 5- High/low 25%.
- 6- GFI and CGF requires 120V feed.
- 7- GFI and CGF are installed 26" (660mm) above grade on access door side.
- 8- CGF cover protrudes by 3.75" (95mm).
- 9- GFI cover protrudes by 1.75" (45mm).
- 10- For any standard finish, access door will be painted black to reduce glare and minimize uplift. Different access door color available on demand.
- 11- Contact factory to coordinate custom matching color.
- 12- Specify RAL number.
- 13- Faux wood finish not applied to the fixture head, hand-hole, base cover or accessories. For faux wood finish, access door will have same faux wood finish. See example in option details. Additional delay required. Not compatible with marine grade paint.
- 14- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required.

ORDERING CODE

*SERIES	*LIGHT OUTPUT	*DISTRIBUTION	*COLUMN POLE	*CCT ³	*VOLTAGE
LN602' 	<u>Static White</u> L2L20 4286 lm / 46w L2L30 6312 lm / 72w L2L40 8382 lm / 106w L2L50 9618 lm / 128w <u>True Amber</u> L2LK2A 458 lm / 22w ² Delivered lumens calculated at 4000K/80CRI except for amber. FLD distribution. Typical power consumption. Refer to LCF table for outputs at other CCTs.	NR Narrow optics 15° FLD Flood optics 30° VWD Wide flood optics 55° LD3 Type III, Short For LCF refer to chart	LNP696 8' LNP6120 10' LNP6144 12' LNP6168E 14' LNP6192E 16' LNP6216E 18' LNP6240E 20' For overall height by series refer to chart on pg 6.	27K 2700K 30K 3000K 35K 3500K 40K 4000K AMB Wavelengths: 585nm to 597nm	120 120V 277 277V 347 347V 480 480V HVOLT 347V-480V MVOLT 120V-277V

CONTROLS	FUSE	PHOTOCELL	MOTION SENSOR	SURGE PROTECTOR
NLTH nLight AIR 2.0 control mounted on top of fixture head with black antenna ⁴	FS Fuse	PH Photocell	MS PIR motion sensor ^{5,6}	SP Surge protector 10KV

GFI	*FINISH ¹¹	WOOD FINISH ¹⁴	ENVIRONMENT	LESS ANCHOR BOLTS
CGF Circuit ground fault interruption receptacle with clear in-use cover ^{7,8,9} GFI Circuit ground fault interruption receptacle ^{7,8,10}	BKT Jet black BZT Bronze CHT Champagne DGT Gun metal GRT Titanium gray MST Matte silver SGT Steel gray WHT Snow white CMC Custom matched color ¹² RAL RAL color ¹³	ADG American douglas BRC Birch CHN Chestnut CRY Cherry KNP Knotty pine MPL Maple OFL Oak RSW Rosewood TEK Teak WLN Walnut	MG Marine grade paint ¹⁵	L/AB Less anchor bolts

NOTES

- *- Denotes a required field
- 1- All light modules are factory-assembled in the same direction. They can be rotated in the field.
- 2- Available only with AMB.
- 3- For IDA certification compliance, luminaire must be ordered with 3000K or warmer.
- 4- Not available with L2L50, PH, MS, 347V and 480V, HVOLT. Must link to external nLight Air network. Dims to 10%.
- 5- Not available with PH, 347V, 480V, HVOLT.
- 6- High/Low 25%.
- 7- GFI and CGF requires 120V feed.

- 8- GFI and CGF are installed 26" (660mm) above grade on access door side.
- 9- CGF cover protrudes by 3.75" (95mm).
- 10- GFI cover protrudes by 1.75" (45mm).
- 11- For any standard finish, access door will be painted black to reduce glare and minimize uplift. Different access door color available on demand.
- 12- Contact factory to coordinate custom matching color.
- 13- Specify RAL number.
- 14- Faux wood finish not applied to the fixture head, hand-hole, base cover or accessories. For faux wood finish, access door will have same faux wood finish. See example in option details. Additional delay required. Not compatible with marine grade paint.
- 15- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required.

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Rev. 05/06/25

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*SERIES	*LIGHT OUTPUT	*DISTRIBUTION	*COLUMN POLE	*CCT ³	*VOLTAGE
LN603¹ 	<u>Static White</u> L3L20 6429 lm / 69w L3L30 9468 lm / 108w L3L40 12573 lm / 159w L3L50 14427 lm / 192w <u>True Amber</u> L3LK2A 687 lm / 33w ² Delivered lumens calculated at 4000K/80CRI except for amber. FLD distribution. Typical power consumption. Refer to LCF table for outputs at other CCTs.	NR Narrow optics 15° FLD Flood optics 30° VWD Wide flood optics 55° LD3 Type III, Short For LCF refer to chart	LNP696 8' LNP6120 10' LNP6144 12' LNP6168E 14' LNP6192E 16' LNP6216E 18' LNP6240E 20' For overall height by series refer to chart on pg 6.	27K 2700K 30K 3000K 35K 3500K 40K 4000K AMB Wavelengths: 585nm to 597nm HVOLT 347V-480V MVOLT 120V-277V	120 120V 277 277V 347 347V 480 480V

CONTROLS	FUSE	PHOTOCELL	MOTION SENSOR	SURGE PROTECTOR
NLTH nLight AIR 2.0 control mounted on top of fixture head with black antenna ⁴	FS Fuse	PH Photocell	MS PIR motion sensor ^{5,6}	SP Surge protector 10KV

GFI	*FINISH ¹¹	WOOD FINISH ¹⁴	ENVIRONMENT	LESS ANCHOR BOLTS
CGF Circuit ground fault interruption receptacle with clear in-use cover ^{7,8,9} GFI Circuit ground fault interruption receptacle ^{7,8,10}	BKT Jet black BZT Bronze CHT Champagne DGT Gun metal GRT Titanium gray MST Matte silver SGT Steel gray WHT Snow white CMC Custom matched color ¹² RAL RAL color ¹³	ADG American douglas BRC Birch CHN Chestnut CRY Cherry KNP Knotty pine MPL Maple OFL Oak RSW Rosewood TEK Teak WLN Walnut	MG Marine grade paint ¹⁵	L/AB Less anchor bolts

NOTES

- *- Denotes a required field
- 1- All light modules are factory-assembled in the same direction. They can be rotated in the field.
- 2- Available only with AMB.
- 3- For IDA certification compliance, luminaire must be ordered with 3000K or warmer.
- 4- Not available with L3L50, PH, MS, 347V and 480V, HVOLT. Must link to external nLight Air network. Dims to 10%.
- 5- Not available with PH, 347V, 480V, HVOLT.
- 6- High/Low 25%.
- 7- GFI and CGF requires 120V feed.

- 8- GFI and CGF are installed 26" (660mm) above grade on access door side.
- 9- CGF cover protrudes by 3.75" (95mm).
- 10- GFI cover protrudes by 1.75" (45mm).
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- 12- Contact factory to coordinate custom matching color.
- 13- Specify RAL number.
- 14- Faux wood finish not applied to the fixture head, hand-hole, base cover or accessories. For faux wood finish, access door will have same faux wood finish. See example in option details. Additional delay required. Not compatible with marine grade paint.
- 15- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required.

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*SERIES	*LIGHT OUTPUT	*DISTRIBUTION	*COLUMN POLE	*CCT ³	*VOLTAGE
LN604¹ 	<u>Static White</u>	NR Narrow optics 15°	LNP696 8'	27K 2700K	120 120V
	L4L20 8572 lm / 92w	FLD Flood optics 30°	LNP6120 10'	30K 3000K	277 277V
	L4L30 12624 lm / 144w	VWD Wide flood optics 55°	LNP6144 12'	35K 3500K	347 347V
	L4L40 16764 lm / 212w	LD3 Type III, Short	LNP6168E 14'	40K 4000K	480 480V
	L4L50 19236 lm / 256w		LNP6192E 16'	AMB Wavelengths: 585nm to 597nm	HVOLT 347V-480V
	<u>True Amber</u>		LNP6216E 18'		MVOLT 120V-277V
	L4LK2A 916 lm / 44w ²		LNP6240E 20'		
Delivered lumens calculated at 4000K/80CRI except for amber. FLD distribution. Typical power consumption. Refer to LCF table for outputs at other CCTs.		For LCF refer to chart	For overall height by series refer to chart on pg 6.		

CONTROLS	FUSE	PHOTOCELL	MOTION SENSOR	SURGE PROTECTOR
NLTH nLight AIR 2.0 control mounted on top of fixture head with black antenna ⁴	FS Fuse	PH Photocell	MS PIR motion sensor ^{5,6}	SP Surge protector 10KV

GFI	*FINISH ¹¹	WOOD FINISH ¹⁴	ENVIRONMENT	LESS ANCHOR BOLTS
CGF Circuit ground fault interruption receptacle with clear in-use cover ^{7,8,9}	BKT Jet black	ADG American douglas	MG Marine grade paint ¹⁵	L/AB Less anchor bolts
GFI Circuit ground fault interruption receptacle ^{7,8,10}	BZT Bronze	BRC Birch		
	CHT Champagne	CHN Chestnut		
	DGT Gun metal	CRY Cherry		
	GRT Titanium gray	KNP Knotty pine		
	MST Matte silver	MPL Maple		
	SGT Steel gray	OFL Oak		
	WHT Snow white	RSW Rosewood		
	CMC Custom matched color ¹²	TEK Teak		
		WLN Walnut		
	RAL RAL color ¹³			

NOTES

- *- Denotes a required field
- 1- All light modules are factory-assembled in the same direction. They can be rotated in the field.
- 2- Available only with AMB.
- 3- For IDA certification compliance, luminaire must be ordered with 3000K or warmer.
- 4- Not available with L4L50, PH, MS, 347V and 480V, HVOLT. Must link to external nLight Air network. Dims to 10%.
- 5- Not available with PH, 347V, 480V, HVOLT.
- 6- High/Low 25%.
- 7- GFI and CGF requires 120V feed.

- 8- GFI and CGF are installed 26" (660mm) above grade on access door side.
- 9- CGF cover protrudes by 3.75" (95mm).
- 10- GFI cover protrudes by 1.75" (45mm).
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- 12- Contact factory to coordinate custom matching color.
- 13- Specify RAL number.
- 14- Faux wood finish not applied to the fixture head, hand-hole, base cover or accessories. For faux wood finish, access door will have same faux wood finish. See example in option details. Additional delay required. Not compatible with marine grade paint.
- 15- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required.

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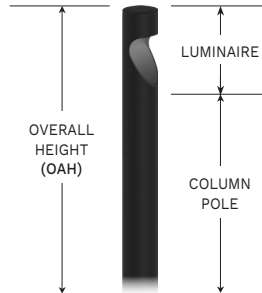
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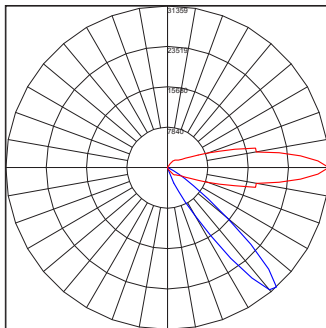
OVERALL HEIGHT (OAH) LUMINAIRE & COLUMN POLE

COLUMN POLE	LN601	LN602	LN603	LN604
LNP696	110"	124"	138"	152"
LNP6120	134"	148"	162"	176"
LNP6144	158"	172"	186"	200"
LNP6168E	182"	196"	210"	224"
LNP6192E	206"	220"	234"	248"
LNP6216E	230"	244"	258"	272"
LNP6240E	254"	268"	282"	296"



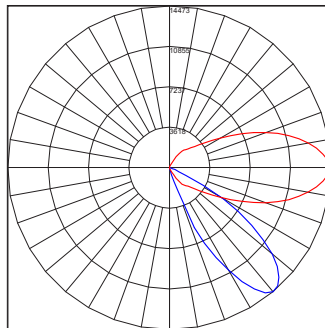
TYPICAL PHOTOMETRY SUMMARY

LN601-L1L50-NR



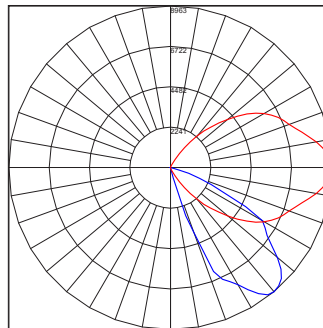
Total Lms: 4520 Lumens
Total Input Watts: 64 W
Efficacy: 70 Lumens/Watt
BUG: B0-U1-G0
CCT/CRI: 4000K/80
Maximum Candela: 31359 @
 0°/42.5°V

LN601-L1L50-FLD



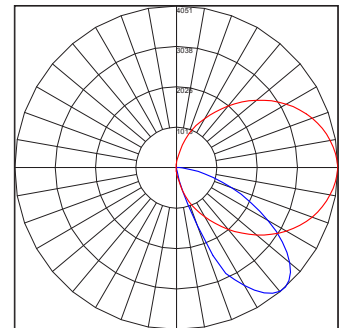
Total Lms: 4809 Lumens
Total Input Watts: 64 W
Efficacy: 75 Lumens/Watt
BUG: B0-U1-G0
CCT/CRI: 4000K/80
Maximum Candela: 14473 @
 0°/40°V

LN601-L1L50-VWD



Total Lms: 4664 Lumens
Total Input Watts: 64 W
Efficacy: 72 Lumens/Watt
BUG: B0-U1-G0
CCT/CRI: 4000K/80
Maximum Candela: 8963 @
 0°/40°V

LN601-L1L50-LD3



Total Lms: 3662 Lumens
Total Input Watts: 64 W
Efficacy: 57 Lumens/Watt
BUG: B0-U1-G1
CCT/CRI: 4000K/80
Maximum Candela: 4051 @
 0°/42.5°V

LUMEN CONVERSION FACTOR (LCF)		
CCT	CRI	LCF
2700K	80	0.94
3000K	80	0.97
3500K	80	0.99
4000K	80	1.00

LUMEN CONVERSION FACTOR (LCF)	
DISTRIBUTION	LCF
NR	0.94
FLD	1.00
VWD	0.97
LD3	0.76

All Photometry shown use the 80CRI 4000K LEDs.
 Please visit our web site www.luminis.com for complete I.E.S. file.

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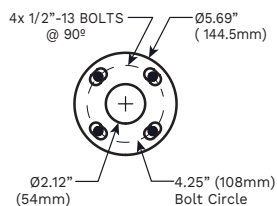
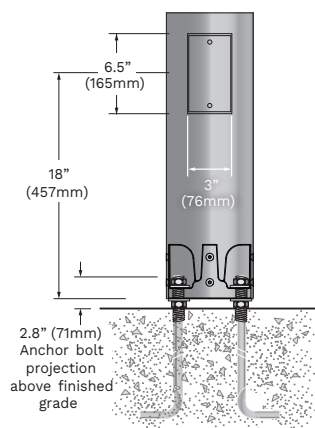
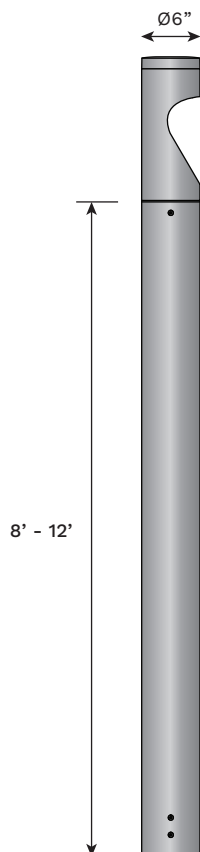
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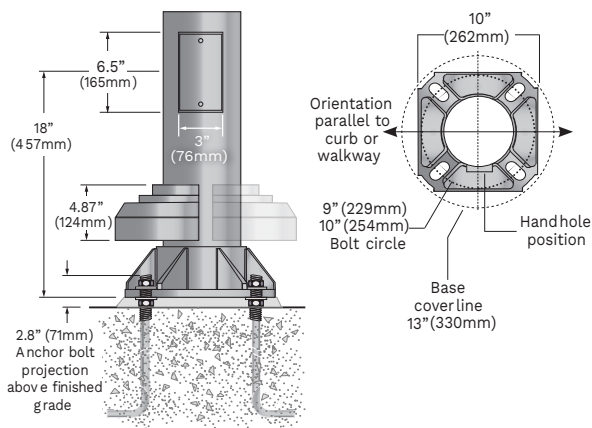
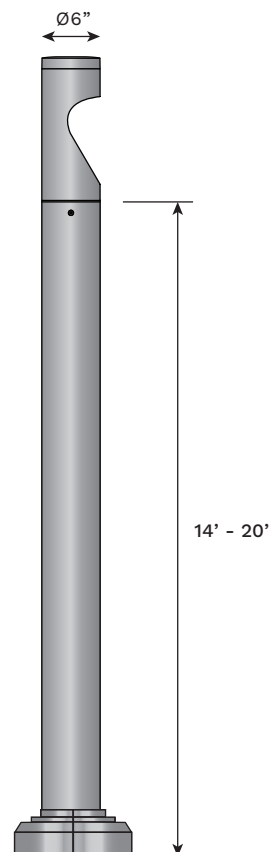
MOUNTING DETAILS

INTERNAL BASE (LNP696, LNP6120, LNP6144)



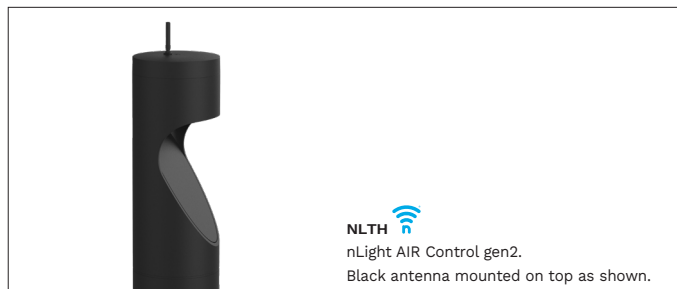
Pole is secured with a set of (4) 1/2"-13 x 18" lg. galvanized anchor bolts.

EXTERNAL BASE (LNP6168E, LNP6192E, LNP6216E, LNP6240E)



The cast aluminum base plate is secured with a set of (4) 3/4"-10 x 18" lg. galvanized anchor bolts.

OPTION DETAILS



FINISH DETAILS



EPA RATING

The EPA (Effective Projected Area) is a coefficient used to evaluate the loads induced by the wind on a luminaire. It is calculated by multiplying the drag coefficient and the Frontal Projected Area of a luminaire (maximum achievable cross-sectional area in ft²).

The TOTAL EPA is the combination of the luminaire's EPA and pole's additional components' EPA. It should not exceed the maximum allowable EPA at the selected geographic location and their corresponding wind map.

Series	Pole Height (ft)	Pole Weight (lb)	Wall Thickness (in)	AASHTO 2013 EPA Rating (sq. ft)													
				80	90	100	110	120				130			160	170	180
								140	150	160	170	180	190	200			
(mph)																	
LNP696	8	25.2	0.125	11.25	11.25	11.25	11.30	11.30	11.30	11.30	9.75	8.44	7.50	6.59			
LNP6120	10	30.6	0.125	9.13	9.13	9.13	9.13	9.13	9.13	9.01	7.92	6.85	6.01	5.21			
LNP6144	12	36.0	0.125	7.50	7.50	7.50	7.50	7.50	7.50	7.50	6.59	5.70	5.00	4.28			
LNP6168E	14	44.7	0.125	6.17	6.17	6.17	6.17	6.17	6.17	6.17	5.34	4.57	3.91	3.38			
LNP6192E	16	50.1	0.125	5.14	5.14	5.14	5.14	5.14	5.14	5.00	4.28	3.61	3.04	2.57			
LNP6216E	18	55.5	0.125	4.22	4.22	4.22	4.22	4.22	4.22	4.00	3.38	2.85	2.37	1.90			
LNP6240E	20	60.9	0.125	3.38	3.38	3.38	3.38	3.38	3.38	3.16	2.67	2.14	1.69	1.33			

SERIES	POLE HEIGHT (ft)	POLE WEIGHT (lb)	WALL THICKNESS (in)	CSA EPA RATING (SQ. FT)										
				200	287	373	460	546	633	719	806	892	979	1065
				q(Pa)										
LNP696	8	25.2	0.125	20.45	13.82	10.22	8.08	6.47	5.46	4.78	4.15	3.69	3.36	3.03
LNP6120	10	30.6	0.125	16.60	10.92	7.88	5.91	4.60	3.83	3.36	2.87	2.52	2.27	2.02
LNP6144	12	36.0	0.125	13.45	8.51	6.06	4.25	3.19	2.52	2.12	1.79	1.59	1.34	1.19
LNP6168E	14	44.7	0.125	12.12	7.56	4.92	3.36	2.27	1.70	1.41	1.13	-	-	-
LNP6192E	16	50.1	0.125	10.09	5.67	3.40	2.02	1.06	-	-	-	-	-	-
LNP6216E	18	55.5	0.125	8.08	4.25	2.12	-	-	-	-	-	-	-	-
LNP6240E	20	60.9	0.125	6.38	2.83	-	-	-	-	-	-	-	-	-

NOTE: Do not erect pole without the intended loading attached to avoid wind-induced vibration. Luminaires must be attached to pole when installed.

