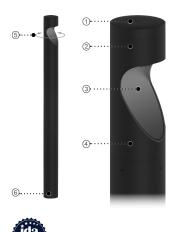
LUMINIS

LN601/LN602/LN603/LN604 INLINE COLUMN

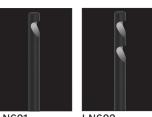
PROJECT NAME:

ORDERING CODE:



Heavy cast aluminum top cover.

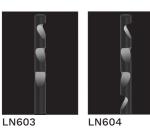
- ② Optical system assembly.
- ③ Access door to rotation mechanism.
- ④ Ø6" (152mm) extruded aluminum body.
- 6 Modules rotate 355° and are field-adjustable (shipped facing same direction)
- ⑥ Cast aluminum mounting base or base cover.



TYPE:

LN601

LN602



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 multivolt 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

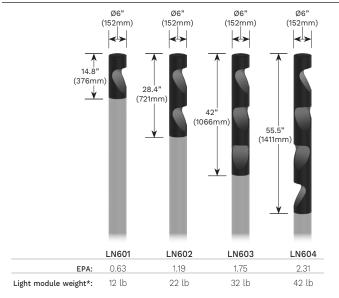
QUANTITY:

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 $4 \times 1/2$ "-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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*SERIES	*LIGHT OUTPUT	*DIS	TRIBUTION	-	*COLUM	IN POLE	*CCT ²	-		*VOLTAG	E	
LN601	Static White L1L20 2143 lm / 23w L1L30 3156 lm / 36w L1L40 4191 lm / 53w L1L50 4809 lm / 64w True Amber L1LK2A L1LK2A 229 lm / 11w ¹ Delivered lumens calculated at 4000K/80CRI except for amber. FLD distribution. Typical power consumption. Refer to LCF table for outputs at other CCTs		Narrow optics Flood optics 3 Wide flood op Type III, Short	30° otics 55°	LNP696 8' LNP6120 10' LNP6144 12' LNP6168E 14' LNP6192E 16' LNP6216E 18' LNP6240E 20'			2700K 3000K 3500K 4000K Waveler 585nm 597nm		120 120V 277 277V 347 347V 480 480V HVOLT 347V-48 MVOLT 120V-27		
CONTROL	s	FUSE		рнотос		MOTION SE	NSOR		SURGE		OR	
NLTH			Fuse		rhotocell MS Pił		R motion s	ensor ^{4,5}	SP		otector 10KV	
GFI CGF GFI	Circuit ground fault interruption receptacle with clear in-use cover ^{6,7,8} Circuit ground fault interruption receptacle ^{6,7,9}	*FINISH ¹⁰ BKT BZT CHT DGT GRT MST SGT WHT	Jet black Bronze Champagne Gun metal Titanium gray Matte silver Steel gray Snow white	ADG BRC CHN CRY KNP MPL OFL RSW	FINISH ¹³ Americ: Birch Chestni Cherry Knotty Maple Oak Rosewo	pine	ENVIRO MG	Marine grade paint ¹⁴	LESS	ANCHOR E	ours	

NOTES

- *- Denotes a required field
- 1- Available only with AMB.
- 2- For IDA certification compliance, luminaire must be ordered with 3000K or warmer.
- Not available with L1L50, PH, MS, 347V and 480V, HVOLT. Must link to external nLight Air network. Dims to 10%. 3-
- 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 uplight. 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.

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LN601/LN602/LN603/LN604 Rev. 02/21/25

RAL

RAL color¹²



*SERIES	*LIGHT OUTPUT		*DISTRIBUTION		*COLUN	IN POLE	*cc	T ³		*VOLTAG	E	
LN6021	Static White L2L20 4286 lm / 46w L2L30 6312 lm / 72w L2L40 8382 lm / 106w L2L50 9618 lm / 128w True Amber L2LK2A 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.		NRNarrow optics 15°FLDFlood optics 30°VWDWide flood optics 55°LD3Type III, Short		LNP61: LNP61: LNP61: LNP62: LNP62: For overall	LNP696 8' LNP6120 10' LNP6144 12' LNP6168E 14' LNP6192E 16' LNP6216E 18' LNP6240E 20'		27K 2700K 30K 3000K 35K 3500K 40K 4000K AMB Wavele 585nm 597nm		120 277 347 480 HVOLT MVOLT	120V 277V 347V 480V 347V-480\ 120V-277\	
CONTROLS			USE	PHOTOCELL MOTION SENSOR				_	SURGE PROTECTOR			
NLTH	nLight AIR 2.0 control mounted on top of fixture head with black antenna ⁴		FS Fuse	PH F	Photocell	MS	PIR motio	n sensor ^{5,6}	SP	Surge pro	otector 10KV	
GFI		*FINISH	- ¹¹	WOOD FIN	IISH ¹⁴	-	ENVIRO	NMENT	LESS A	ANCHOR BO	LTS	
GFI	Circuit ground fault interruption receptacle with clear in-use cover ^{7,8,9} Circuit ground fault interruption receptacle ^{7,8,10}	BKT BZT CHT DGT GRT MST SGT WHT CMC	Jet black Bronze Champagne Gun metal Titanium gray Matte silver Steel gray Snow white Custom matched color ¹² RAL color ¹³	ADG BRC CHN CRY KNP MPL OFL RSW TEK WLN	American Birch Chestnut Cherry Knotty pin Maple Oak Rosewood Teak Walnut	e	MG	Marine grade paint ¹⁵	L/AB	Less anch	or 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.
- 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.
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- 8- GFI and CGF are installed 26" (660mm) above grade on access door side.
- 9- CGF cover protrudes by 3.75" (95mm).
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- 11- For any standard finish, access door will be painted black to reduce glare and minimize uplight. 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.



*SERIES	*LIGHT O	UTPUT	*DISTR	IBUTION	*COLUMN PO	OLE	*ССТ³		*VOLTAG	E
LN6031		6429 lm / 69w 9468 lm / 108w 12573 lm / 159w 14427 lm / 192w eer 687 lm / 33w ²	NR FLD VWD LD3	Narrow optics 15° Flood optics 30° Wide flood optics 55° Type III, Short	LNP696 LNP6120 LNP6144 LNP6168E LNP6192E LNP6216E LNP6240E	8' 10' 12' 14' 16' 18' 20'	27K 30K 35K 40K AMB	2700K 3000K 3500K 4000K Wavelengths: 585nm to 597nm	120 277 347 480 HVOLT MVOLT	120V 277V 347V 480V 347V-480V 120V-277V
	4000K/80CRI except for amber. FLD distribution. Typical power consumption. Refer to LCF table for outputs at other CCTs.			er to chart	For overall height b refer to chart on pg					

CONTROL	ROLS		FUSE		PHOTOCELL		N SENSOR	SURGE PROTECTOR		
NLTH	nLight AIR 2.0 control mounted on top of fixture head with black antenna⁴	FS	Fuse	РН	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}	BKTJet blackBZTBronzeCHTChampagneDGTGun metalGRTTitanium grayMSTMatte silverSGTSteel grayWHTSnow white	ADGAmerican douglasBRCBirchCHNChestnutCRYCherryKNPKnotty pineMPLMapleOFLOakRSWRosewoodTEKTeak	MG Marine grade paint ¹⁵	L/AB Less anchor bolts
	CMC Custom matched color ¹² RAL RAL color ¹³	WLN Walnut		

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.

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- 8- GFI and CGF are installed 26" (660mm) above grade on access door side.
- 9- CGF cover protrudes by 3.75" (95mm).
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- 11- For any standard finish, access door will be painted black to reduce glare and minimize uplight. 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.



*SERIES	*LIGHT OL	JTPUT	*DIS1	RIBUTION		*COLUI	MN POL	LE	*CCT³			*VOLTAG	E
LN604 ¹	distribution. Ty	8572 lm / 92w 12624 lm / 144 16764 lm / 212 19236 lm / 256 er 916 lm / 44w ²	w VWE w LD3	Narrow optic Flood optics Wide flood o Type III, Shor	30° ptics 55°	LNP69 LNP61 LNP61 LNP61 LNP62 LNP62 For overall refer to char	20 44 68E 92E 16E 40E		27K 30K 35K 40K AMB	2700K 3000K 3500K 4000K Wavele 585nm 597nm	to	120 277 347 480 HVOLT MVOLT	120V 277V 347V 480V 347V-480V 120V-277V
CONTROL	s		FUSE		РНОТО	CELL	MOTION SEN		ENSOR		SURGE	RGE PROTECTOR	
NLTH	NLTH nLight AIR 2.0 control mounted on top of fixture head with black antenna ⁴		FS	Fuse	use PH Phot		MS	PIF	R motion sensor ^{5,6}		SP	Surge pro	otector 10KV
GFI *FII			*FINISH ¹¹		WOOD F	INISH ¹⁴			ENVIRON	MENT	LES	S ANCHOR	BOLTS

GFI		*FINISH ¹¹		WOOD F	INISH ¹⁴	ENVIR	ONMENT	LESS A	NCHOR BOLTS
CGF GFI	Circuit ground fault interruption receptacle with clear in-use cover ^{7,8,9} Circuit ground fault interruption receptacle ^{7,8,10}	BKT BZT CHT DGT GRT MST SGT WHT CMC RAL	Jet black Bronze Champagne Gun metal Titanium gray Matte silver Steel gray Snow white Custom matched color ¹² RAL color ¹³	ADG BRC CHN CRY KNP MPL OFL RSW TEK WLN	American douglas Birch Chestnut Cherry Knotty pine Maple Oak Rosewood Teak 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.
- 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).
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- 15- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required.

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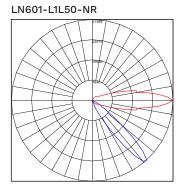
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OVERALL HEIGHT (OAH) LUMINAIRE & COLUMN POLE

COLUMN POLE	LN601	LN602	LN603	LN604	
LNP696	110"	124"	138"	152"	
LNP6120	134"	148"	162"	176"	OVERAL
LNP6144	158"	172"	186"	200"	HEIGHT (OAH)
LNP6168	182"	196"	210"	224"	
LNP6192	206"	220"	234"	248"	
LNP6216	230"	244"	258"	272"	↓
LNP6240	254"	268"	282"	296"	

TYPICAL PHOTOMETRY SUMMARY



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

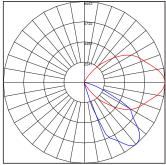
LN601-L1L50-FLD

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

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

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

LN601-L1L50-VWD

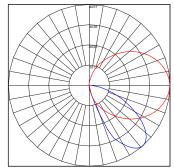


LUMINAIRE

COLUMN POLE

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

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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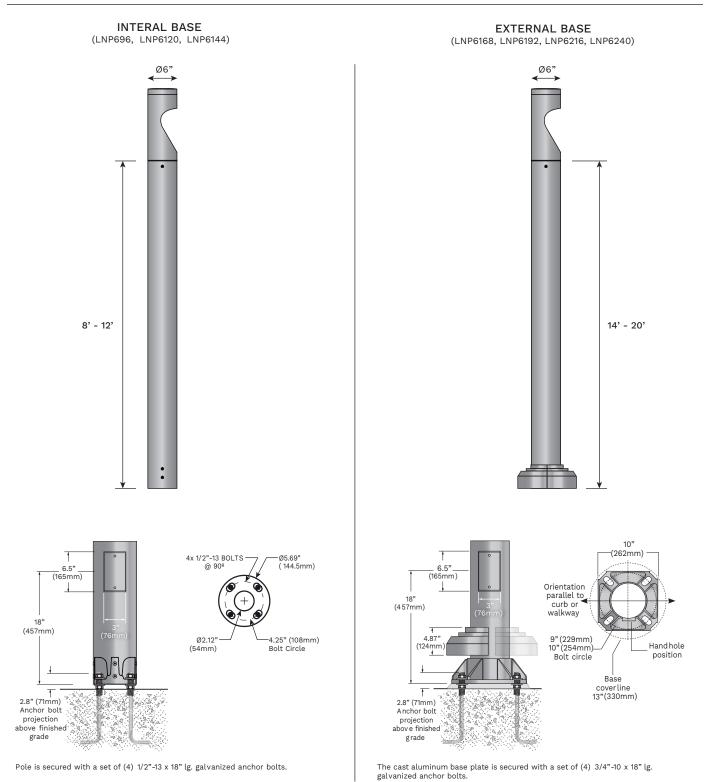
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LN601/LN602/LN603/LN604 INLINE COLUMN

MOUNTING DETAILS

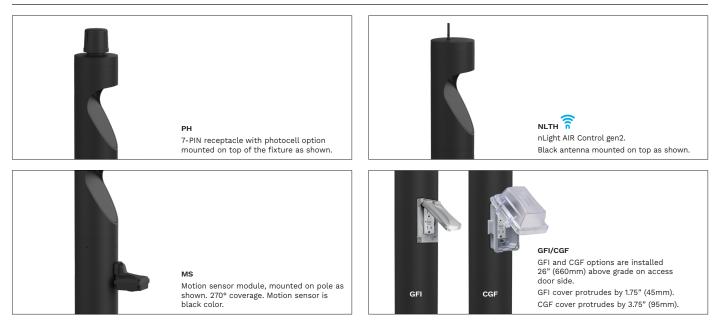


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OPTION DETAILS



FINISH DETAILS



EPA

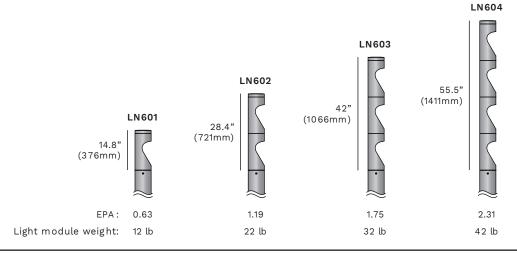
The EPA (Effective Projected Area) is a coefficient used to evaluate the loads induced by the wind on a luminaire. It is calculated by multiplying the drag coefficient and the Frontal Projected Area of a luminaire (maximum achievable cross-sectional area in ft²).

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.

	Pole	Pole	Wall	1	I		A	ASHT	D 2013	EPA I	RATIN	G (ft ²)		
	Height ft	Weight lb	Thk in	Base	80	90	100	110	120	130 mph	140	150	160	170	180
LNP696	8	22.6	0.125	Internal	11.25	11.25	11.25	11.30	11.30	11.30	11.30	9.75	8.44	7.50	6.59
LNP6120	10	28.3	0.125	Internal	9.13	9.13	9.13	9.13	9.13	9.13	9.01	7.92	6.85	6.01	5.21
LNP6144	12	33.9	0.125	Internal	7.50	7.50	7.50	7.50	7.50	7.50	7.50	6.59	5.70	5.00	4.28
LNP6168	14	39.6	0.125	External	6.17	6.17	6.17	6.17	6.17	6.17	6.17	5.34	4.57	3.91	3.38
LNP6192	16	45.3	0.125	External	5.14	5.14	5.14	5.14	5.14	5.14	5.00	4.28	3.61	3.04	2.57
LNP6216	18	50.9	0.125	External	4.22	4.22	4.22	4.22	4.22	4.22	4.00	3.38	2.85	2.37	1.90
LNP6240	20	56.6	0.125	External	3.38	3.38	3.38	3.38	3.38	3.38	3.16	2.67	2.14	1.69	1.33

	Pole Pole Wall CSA EPA RATING (ft ²)														
	Height ft	Weight lb	Thk in	Base	200	287	373	460	546	633 q(Pa)	719	806	892	979	1065
LNP696	8	22.6	0.125	Internal	20.45	13.82	10.22	8.08	6.47	5.46	4.78	4.15	3.69	3.36	3.03
LNP6120	10	28.3	0.125	Internal	16.60	10.92	7.88	5.91	4.60	3.83	3.36	2.87	2.52	2.27	2.02
LNP6144	12	33.9	0.125	Internal	13.45	8.51	6.06	4.25	3.19	2.52	2.12	1.79	1.59	1.34	1.19
LNP6168	14	39.6	0.125	External	12.12	7.56	4.92	3.36	2.27	1.70	1.41	1.13	-	-	-
LNP6192	16	45.3	0.125	External	10.09	5.67	3.40	2.02	1.06	-	-	-	-	-	-
LNP6216	18	50.9	0.125	External	8.08	4.25	2.12	-	-	-	-	-	-	-	-
LNP6240	20	56.6	0.125	External	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.



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