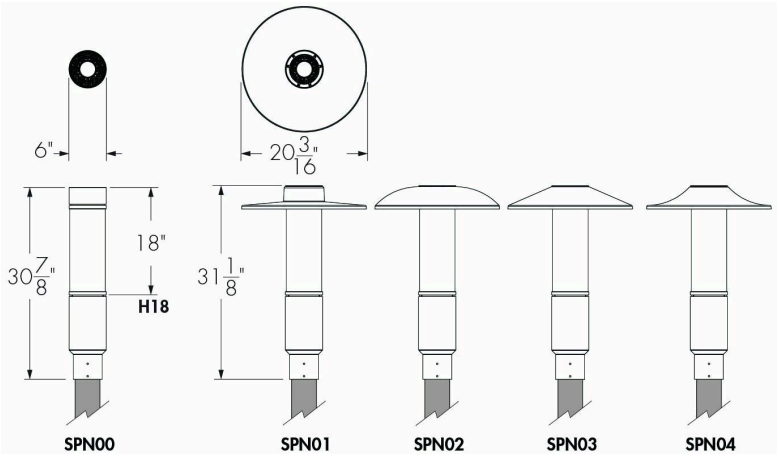
Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____

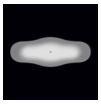
SPN00
Decorative Top Shown

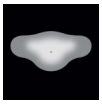


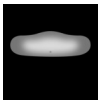
Top Views

Front Views

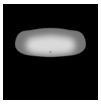
Distributions

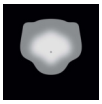

Type I

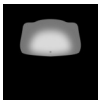

Type II


Type II Backlight Shield


Type III


Type III Backlight Shield


Type IV


Type IV Backlight Shield


Type V Square

Color and Color Temperature


2200K 2700K 3000K 3500K 4000K

Color Rendering

CRI 70+ CRI 80+ CRI 90+

Control

0-10V lumentalk DALI

Lumencycle™ Program

Description

The Lumenalta Small Post-Top Directional features a sleek, cylindrical form designed for parking lots, shared vehicle-pedestrian areas, pedestrian pathways, bicycle paths, and residential streets. Its advanced optical system optimizes performance and reduces light spill, respecting the surrounding environment. Delivering up to 8,000 lumens, it offers precise Type I-V distributions to ensure optimal visibility and lighting control.

Features

Decorative Top Options	**SPN00:** No Decorative Top **SPN01:** Flat **SPN02:** Domed **SPN03:** Conic **SPN04:** Curved
Optical System	**FFD:** Directional
Lens Finish	**CL:** Clear Lens
Color and Color Temperature	**22K:** 2200K **27K:** 2700K **30K:** 3000K **35K:** 3500K **40K:** 4000K
Distributions	**1:** Type I **2:** Type II **2BLS:** Type II Backlight Shield **3:** Type III **3BLS:** Type III Backlight Shield **4:** Type IV **4BLS:** Type IV Backlight Shield **5S:** Type V Square
Optical Option	**HL:** Honeycomb Louver

Impact Resistance Rating

IK06 (PMMA Lens)

Ingress Protection Rating

IP66 (optical chamber)

Certifications

Options	Corrosion-Resistant Coating for Hostile Environments Surge Protector Button Type Photocell 3-Pin Receptacle With or Without Shorting Cap 5-Pin Receptacle With or Without Shorting Cap Vibration Rated for Bridge and Overpass Normal Vibration Rating
Mounting Options	**TN4:** 4 in O.D. Tenon Adapter
Warranty	5-year limited warranty

Performance

Color Rendering	**CRI 70:** CRI 70+ **CRI 80:** CRI 80+ **CRI 90:** CRI 90+
Maximum Delivered Output	7,868 lm (Type VS Distribution, 4000K, CRI 70+, M80 Output)
Efficacy	Up to 122 lm/W (Type III Distribution, 4000K, CRI 70+, M30 Output)
Color Consistency	3 SDCM for CRI 70+ 2 SDCM for CRI 80+ and CRI 90+ (with the exception of 2200K)
Lumen Maintenance	TM-21 L70 > 145,000 hrs (reported, Ta 25 - 50 °C [77 - 122 °F])
DarkSky	DarkSky Approved configurations available, refer to Dark Sky Approved Specification Sheet for details.

Physical

Head Height	**H18:** 18 in
Housing Material	Cast aluminum, Extruded aluminum
Lens Material	Cast acrylic (PMMA)
Hardware Material	Stainless steel
Weight	14.8 lbs
EPA	**SPN00:**1.31 ft² **SPN01 to SPN04:**1.8 ft²
Surface Finish	Super durable resistant exterior polyester powder coating meets AAMA 2604-98 requirements (5-years Florida exposure). A corrosion resistant finish (CRC) pre-finish is available to meet ASTM B-117 & ASTM D-1654 (salt spray resistance) and ASTM D-2247 requirements (humidity resistance).

Electrical and Control

Voltage	**120:** 120 Volts, **208:** 208 Volts, **240:** 240 Volts, **277:** 277 Volts, **347:** 347 Volts, **480:** 480 Volts
Control	**DIM:** 0-10V Dimming **LT:** Lumentalk Enabled Dimming **DALI:** DALI Dimming

Environmental

Storage Temperature	-40°C to 50°C [-40°F to 122°F] (device must reach start-up temperature value before operating)

Start-up Temperature	-40°C to 50°C [-40°F to 122°F]
Operating Temperature	-40°C to 50°C [-40°F to 122°F]
Ingress Protection Rating	IP66 (optical chamber)
Impact Resistance Rating	IK06 (PMMA Lens)
Environment	Dry/damp/wet location

Important

Virtual Patent Marking Notice

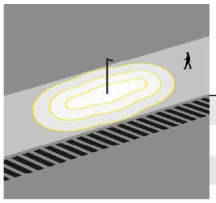
This website (https://www.lmpg.com/patents-trademarks) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Lumencycle™ Program

Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures, and responsibly manage them at end of life. For full program details, visit https://www.lumenpulse.com/lumencycle.

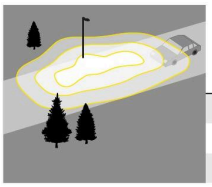
Photometric Information

Type I, 4000K, CRI 70+



	Nominal Output [lm]	Typical Delivered Output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical Maximum Power 120/277V (W)
S10	975	105	1	1	1	9
S15	1,424	106	1	1	1	14
S20	1,872	105	1	1	1	18
S25	2,448	102	1	1	1	24
M30	2,854	112	2	1	2	25
M40	3,865	108	2	1	2	36
M60	5,794	102	3	2	3	57
M80	7,118	97	3	2	3	73

Type II, 4000K, CRI 70+

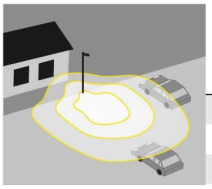


	Nominal Output [lm]	Typical Delivered Output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical Maximum Power 120/277V (W)
S10	994	107	1	1	1	9
S15	1,451	108	1	1	1	14
S20	1,908	107	1	1	1	18
S25	2,495	104	1	1	1	24
M30	2,909	115	1	1	1	25
M40	3,939	110	1	1	2	36
M60	5,905	104	1	1	2	57
M80	7,254	99	2	2	2	73

Type III, 4000K, CRI 70+

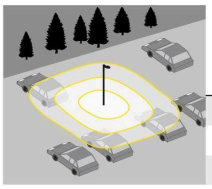
	Nominal Output [lm]	Typical Delivered Output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical Maximum Power 120/277V (W)
S10	1,058	114	1	1	1	9
S15	1,545	114	1	1	1	14
S20	2,032	114	1	1	1	18
S25	2,657	111	1	1	1	24
M30	3,098	122	1	1	1	25
M40	4,194	117	1	1	1	36
M60	6,288	111	2	2	2	57
M80	7,725	105	2	2	2	73

Type IV, 4000K, CRI 70+



	Nominal Output [lm]	Typical Delivered Output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical Maximum Power 120/277V (W)
S10	923	99	1	1	1	9
S15	1,347	100	1	1	1	14
S20	1,771	100	1	1	2	18
S25	2,317	97	1	1	2	24
M30	2,701	106	1	1	2	25
M40	3,658	102	1	2	2	36
M60	5,483	96	2	2	3	57
M80	6,736	92	2	2	3	73

Type V Square, 4000K, CRI 70+

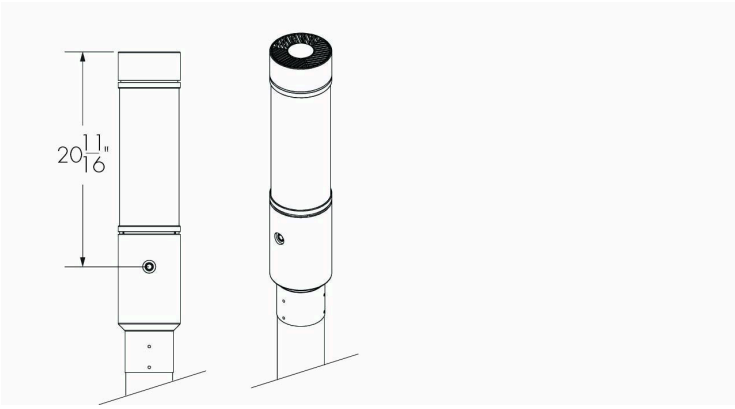


	Nominal Output [lm]	Typical Delivered Output [lm]	Efficiency (lm/W)	BUG Rating			Typical Maximum Power 120/277V (W)
				B	U	G	
S10	1,078	116	1	1	1	9
S15	1,574	117	1	1	1	14
S20	2,069	116	2	1	1	18
S25	2,707	113	2	1	1	24
M30	3,155	124	2	1	1	25
M40	4,272	119	3	2	2	36
M60	6,405	113	3	2	2	57
M80	7,868	107	3	2	2	73

Photometric performance is measured in compliance with IESNA LM-79-24. Due to rapid and continous advance in LED technology, photometric information is subject to change without notice.

Button Type Photoelectric Cell Installation Dimensions

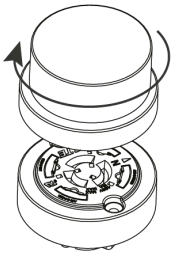
PB - Button Type Photoelectric Cell



3-Pin and 5-Pin Receptacles Options

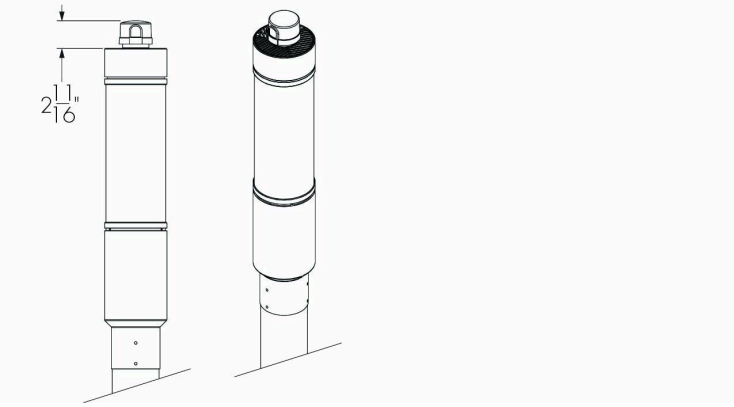
SPR3 and SPR5 - 3-Pin and 5-Pin Receptacles

SPR3 SC and SPR5 SC - 3-Pin and 5-Pin Receptacles with Shorting Cap



- Dimming receptacle meets ANSI C136.41 Standard.

SPR3 SC and SPR5 SC - 3-Pin and 5-Pin Receptacles with Shorting Cap as Installed

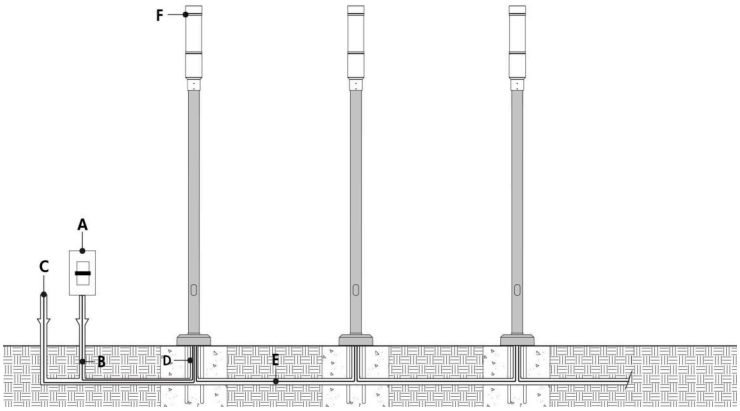


Typical Wiring Diagrams

Wiring Color Code

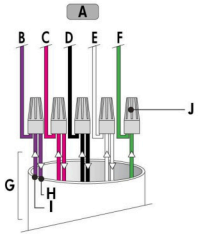
Color	Black	White	Green	Purple/Red	Gray/Orange
Use	Line	Line/Neutral	Ground	0 -10V+ /Data +	0 -10V - /Data -

0-10V Dimming (DIM)



A - Dimmer (by others)
B - Data wiring (by others)
C - Power input (120-480V, wiring by others)
D - Conduit (by others)
E - Power and data wiring (by others)
F - Lumenalta Post-Top

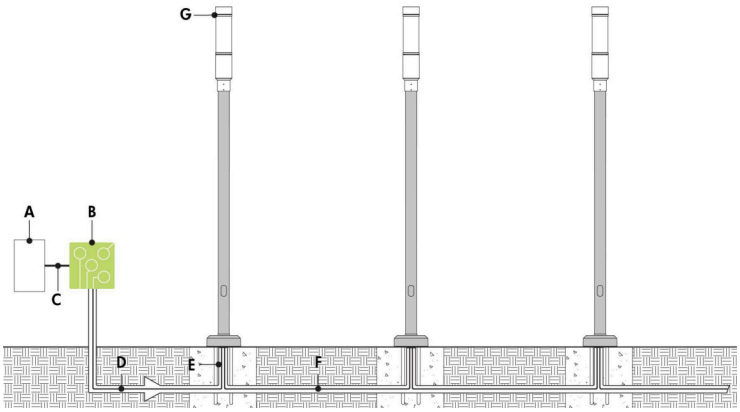
0-10V Dimming (DIM) - Wiring Detail



A - To fixture
B - 0-10V +
C - 0-10V -
D - Line
E - Neutral
F - Ground
G - Conduit (by others)
H - To next fixture
I - Power input or from previous fixture
J - Wire-nuts (by others)

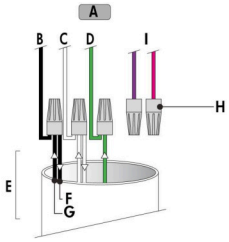
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value.

Lumentalk (LT)



A - Dimmer/controller (order separately from Lumenpulse, or by others)
B - Lumentranslator (LTL-010, -DMX, -TRIAC, -DALI)
C - Data wiring (by others)
D - Power line (120-277V, wiring by others)
E - Conduct (by others)
F - Power wiring (by others)
G - Lumenalta Post-Top

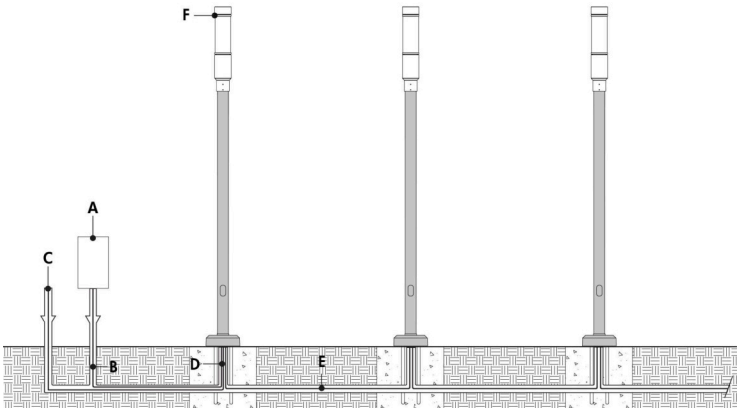
Lumentalk (LT) - Wiring Detail



A - To fixture
B - Line
C - Neutral
D - Ground
E - Conduit (by others)
F - To next fixture
G - Power input or from previous fixture
H - Wire-nuts (by others)
I - Not required

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third party fixtures allowed on the same circuit.
- For DMX applications: 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colors is 1 minute). Consult factory for applications that require additional capabilities.
- Consult factory for DALI Lumentalk applications.
- 1% minimum dimming value.

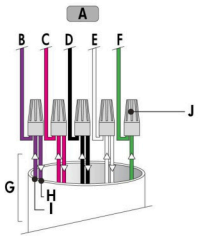
DALI Dimming (DALI)



A - DALI controller (by others)
B - Data wiring (by others)
C - Power input (120-480V, wiring by others)
D - Conduit (by others)
E - Power and data wiring (by others)
F - Lumenalta Post-Top

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- 1% minimum dimming value.

DALI Dimming (DALI) - Wiring Detail



A - To fixture
B - Data +
C - Data -
D - Line
E - Neutral
F - Ground
G - Conduit (by others)
H - To next fixture
I - Power input or from previous fixture
J - Wire-nuts (by others)

How to Order

Housing	Mounting	Voltage	Decorative Top Options	Optical System	Head Height	Lens Finish	Output (Nominal Lumens)	Color and Color Temperature	Color Rendering	Distributions
ALTS Lumenalta Small	**TN** Tenon Mount	**120** 120 Volts **208** 208 Volts **240** 240 Volts **277** 277 Volts **347** 347 Volts (1) (2) **480** 480 Volts (1) (2) (3)	**SPN00** No Decorative Top **SPN01** Flat **SPN02** Domed **SPN03** Conic **SPN04** Curved	**FFD** Directional	**H18** 18 in	**CL** Clear Lens	**S10** 1000lm **S15** 1500lm **S20** 2000lm **S25** 2500lm **M30** 3000lm **M40** 4000lm **M60** 6000lm **M80** 8000lm	**22K** 2200K **27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K	**CRI 70** CRI 70+ (4) **CRI 80** CRI 80+ **CRI 90** CRI 90+ (5)	**1** Type I **2** Type II **2BLS** Type II Backlight Shield **3** Type III **3BLS** Type III Backlight Shield **4** Type IV **4BLS** Type IV Backlight Shield **5S** Type V Square

Notes:

1. Not available with LT control option.
2. Not available with PB Button Type Photocell option.
3. Not available with M80 Output.
4. Not available with 22K and 27K color temperatures.
5. Not available with 22K color temperature.

How to Order

Optical Option	Finish	Control	Option	Mounting Options
HL Honeycomb Louver [6]	**BK** Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **BKTX** Textured Black **BRZTX** Textured Bronze Non-Metallic **GRATX** Textured Medium Gray **GRNTX** Textured Green **WHTX** Textured White **CC** Custom Color & Finish [7] [8] [9]	**DIM** 0-10V Dimming **LT** Lumentalk Enabled Dimming [10] [11] **DALI** DALI Dimming [12]	**VRN** Normal Vibration Rating [13] **VRBO** Vibration Rated for Bridge and Overpass [13] **CRC** Corrosion-Resistant Coating [14] [15] **SP** Surge Protector **PB** Button Type Photocell [1] [16] [17] **SPR3** 3-Pin Receptacle [2] [18] **SPR3 SC** 3-Pin Receptacle with Shorting Cap [2] [18] **SPR5** 5-Pin Receptacle [2] [18] **SPR5 SC** 5-Pin Receptacle with Shorting Cap [2] [18]	**TN4** 4 in O.D. Tenon Adapter

Notes:

1. Not available with LT control option.
2. Not available with PB Button Type Photocell option.
6. Available for Type V Square distribution only.
7. Specify RAL number followed by "TX" for textured finish (ex: RAL9007TX) or STX for Sandtex finish (ex: RAL9007STX). Textured or Sandtex finishes are recommended for the durability of all products. If a finish is not specified with the RAL number (ex: RAL9007), a glossy finish will be provided. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
8. Setup charges apply for RAL colors. Consult factory for details.
9. Longer lead times can be expected for custom RAL color finishes.
10. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
11. Not available for 347V and 480V voltage options.
12. DALI 2 T6 controller required, provided by others.
13. VRN or VRBO must be specified for all installations.
14. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
15. Setup charges apply. Consult factory for details.
16. Not available with DALI control option.
17. Maximum operating temperature with is -31 °F.
18. Not available with LT or DALI Control Options.