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LUMASCAPE USA INC.

LS362LED

At Grade

humantouch™ opticlear™ OPTIONAL microantileach™

0-10V OPTIONAL | IP68 | IK10 | ETL LISTED c US Intertek

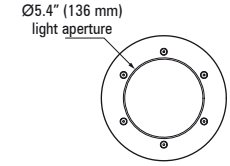
The LS362LED is the ideal luminaire for locations where an uplighting effect is desired yet a flush ingrade luminaire may not be appropriate. Being stanchion-mounted, the LS362LED stays up to 2' above grade whilst the stanchion securely holds the luminaire in place. A special tool is required to remove the luminaire from the stanchion, ensuring security and integrity of the installation, even in public spaces.

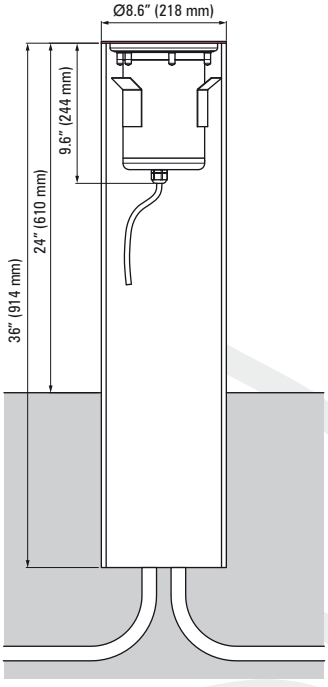
LS362LED

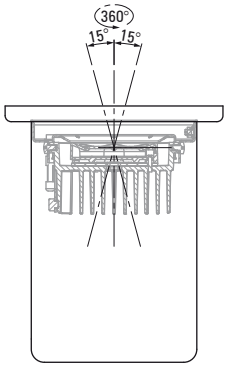
Specifications

Lamp Source	16 W or 20 W LED □ White (4 300 K typical) ■ Warm white (3 000 K typical) ■ Blue (470 nm) *Other colors by request*
Approved Use	Suitable for wet locations Suitable for use in poured concrete
Lumen Maintenance (L70)	>60,000 hrs *Limited by TM-21 x6 rule*
Control Options	0-10 V
IP Rating	IP68
Construction	316 marine grade stainless steel
Impact Rating	IK10 with **OptiClear™** lens
Standard Inclusions	Teflon coated cover screws **MicroAntiLeach™** wire entry
Accessories	**LSP002** luminaire removal tool **LS646** cross hatch louver *(No LED adjustment / tilt available when using this accessory. Cannot be used with 14° (NR) Optical System.)*
Ambient Operating Temperature	-22 °F to 122 °F (-30 °C to +50 °C)
Surface Temperature	≤113 °F (45 °C)
Photometrics	Refer to www.lumascape.com

Any luminaire can become hot - take care with appropriate use and placement



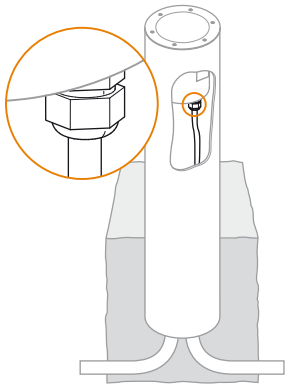




Why Use This Installation Type?

This style of above grade luminaire positioning is very useful in situations where foliage may overgrow regular, flush ingrade luminaires over time, where a high water table is of concern or other scenario where such a mounting method is appropriate. The luminaire is secured into the tube using a method that readily allows the luminaire to be installed, yet prevents the luminaire from being removed without the use of a fixture removal tool. This method of securement ensures that even public space applications are suited to this luminaire. This luminaire ships as a factory sealed unit.

Connection type '84' for 'Direct Burial' housing



6.5' SOOW Cord

For connection to the branch circuit via junction box (by others) or other approved method.

c/w 6.5' SOOW Cord (16/3)

For longer lengths, consult factory.

Lens Options

OptiClear™ Glass

Glass of very high optical purity and load strength.

Borosilicate Glass

Ideal for limited access locations. Not recommended for high traffic pedestrian areas.

Product	Lamp	Lens	Cover	Connection Type	Optical System	Housing Depth	Input Voltage
LS362LED				84		21	

LAMP

Description	Wattage	Color	Code
LED	16 W	White (4 300 K typ.)	16W4
		Warm white (3 000 K typ.)	16H6
		Blue (470 nm)	16B4
LED	20 W	White (4 300 K typ.)	20W4
		Warm white (3 000 K typ.)	20H6
		Blue (470 nm)	20B4

OPTICAL SYSTEM

Description	Beam		Code
Adjustable	Narrow	14°	NR
Adjustable	Narrow Medium	25°	NM
Adjustable	Medium	30°	ME
Adjustable	Linear Horizontal	40° x 20°	LH[1]
Adjustable	Linear Vertical	20° x 40°	LV[1]

[1] Refer to beam orientation diagram.

HOUSING DEPTH

Description	Code
8.7" (220 mm)	21

LENS

Description		Code
OptiClear™	Very high optical purity and load strength	A
GripGlass™	**OptiClear™** with slip reduction glazing process	G
Borosilicate Glass	Ideal for limited access locations	X

INPUT VOLTAGE

Description	Code
120-277 V, 50/60 Hz	09
0-10 V Dimmable Driver, 120-277 V, 50/60 Hz	09-DIM[1]

[1] Not available with 16 W module.

COVER

Material	Finish	Code
Stainless steel	Brushed	SS
	Black, powder coated	CB

CONNECTION TYPE

Description	Code
6.5' SOOW Cord	84

Dimmable Wiring Diagram Reference

Input Voltage	LED Color	Control Type	Wiring Diagram
09-DIM	Single Color	0-10 V	1

LS362LED Accessories

Stacking and order of accessories

LS646
Cross hatch louvre

No LED adjustment / tilt available when using this accessory.

Cannot be used with 14° (NR) Optical System

LED

Photometrics

Photometric data is based on test results from a NIST traceable testing lab. IES data is available at www.lumascape.com.

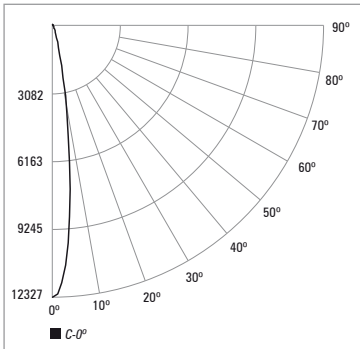
Note: No depreciation factor is applied to the data shown.

LS362LED 4 300 K[1] 14° Beam Angle

Power Input	17.8 W
Lumens	1037
Efficacy	58 lm/W

[1] To approximate warm white data, multiply by 0.84. Refer web site for IES files for all color temperatures.

Polar Candela Distribution



	C 0°	C 15°	C 30°	C 45°	C 60°	C 75°	C 90°
0°	12327	12327	12327	12327	12327	12327	12327
10°	3573	3519	3439	3336	3274	3303	3366
20°	341	310	254	228	224	232	232
30°	37	37	35	34	34	34	34
40°	9	9	9	9	9	9	8
50°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0

Illuminance at a Distance

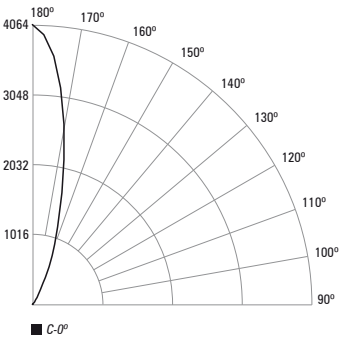
ft	Center Beam fc	Beam Ø
5	493.1	1 ft
10	123.3	3 ft
15	54.8	4 ft
25	19.7	7 ft
30	13.7	8 ft
40	7.7	11 ft
50	4.9	13 ft

LS362LED 4 300 K[1] 30° Beam Angle

Power Input	21.6
Lumens	1195
Efficacy	55 Lm/W

[1] To approximate warm white data, multiply by 0.84. Refer web site for IES files for all color temperatures.

Polar Candela Distribution



	C 0°	C 15°	C 30°	C 45°	C 60°	C 75°	C 90°
90°	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0
130°	11	10	11	12	14	15	13
140°	65	64	59	52	47	48	48
150°	247	242	233	221	223	226	227
160°	974	962	963	974	973	974	999
170°	2660	2659	2671	2699	2745	2780	2809
180°	4064	4064	4064	4064	4064	4064	4064

Illuminance at a Distance

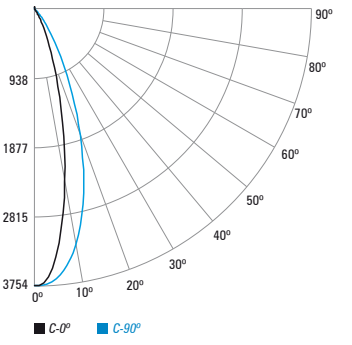
ft	Center Beam fc	Beam Ø
5	162.6	3 ft
10	40.6	5 ft
15	18.1	8 ft
25	6.5	13 ft
30	4.5	16 ft
40	2.5	21 ft
50	1.6	27 ft

LS362LED 4 300 K[1] 20° x 40° Beam Angle

Power Input	21.5
Lumens	1182
Efficacy	55 Lm/W

[1] To approximate warm white data, multiply by 0.84. Refer web site for IES files for all color temperatures.

Polar Candela Distribution



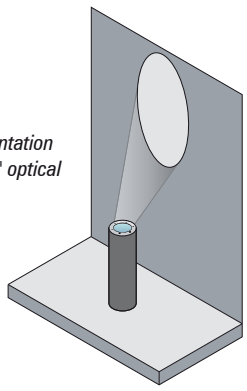
	C 0°	C 15°	C 30°	C 45°	C 60°	C 75°	C 90°
0°	3746	3746	3746	3746	3746	3746	3746
10°	2377	2447	2585	2781	3025	3198	3242
20°	729	779	892	1101	1395	1721	1819
30°	135	145	184	273	413	591	635
40°	24	27	37	64	115	170	175
50°	12	11	11	12	19	29	39
60°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0

Illuminance at Distance

ft	Center Beam fc	Beam W	Beam L
5	149.8	2 ft	4 ft
10	37.5	4 ft	7 ft
15	16.6	7 ft	11 ft
25	6	11 ft	18 ft
30	4.2	13 ft	21 ft
40	2.3	18 ft	28 ft
50	1.5	22 ft	35 ft

Beam Orientations

Beam Orientation for the "LV" optical system



Beam Orientation for the "LH" optical system

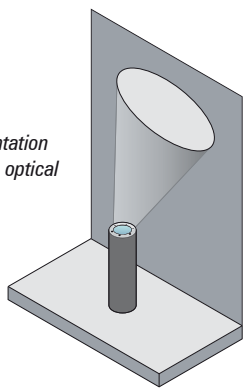
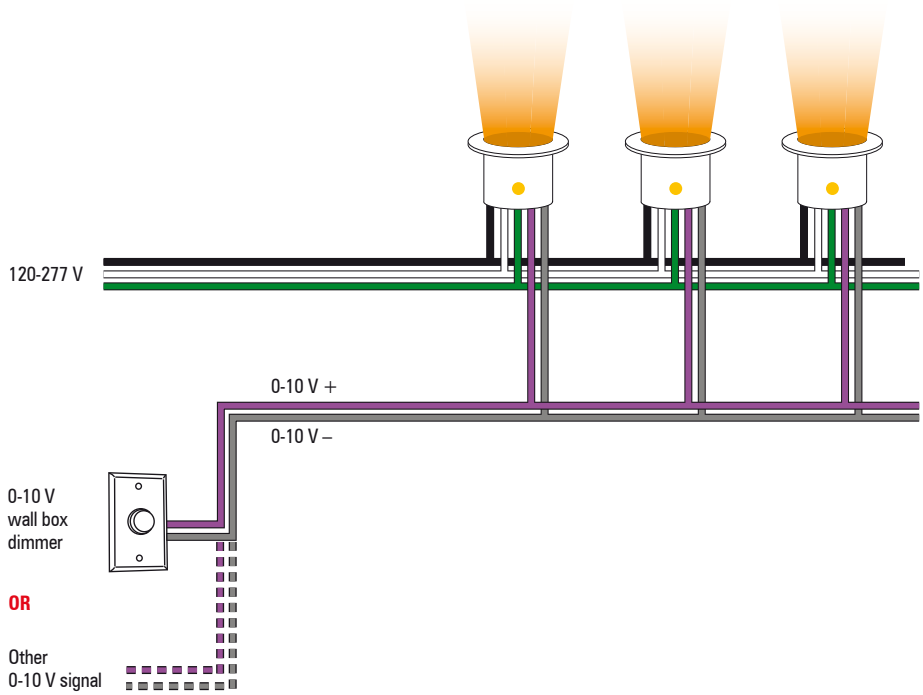


Diagram 1 - 0-10 V Dimming for Line Voltage LED Luminaires

Please note: The use of a GFCI may be required. Consult local wiring rules.

0-10V



NOTE: The above diagrams are intended to show electrical pathways between luminaires and ancillary devices. These diagrams are not intended to show type or color of cord/wire, wire gauge or approved use of the cord/wire supplied with luminaires.

Consult the luminaire-specific cutsheet or the factory for detailed specifications.