STICK 3
Bollard - Remote

Project: _____

Type: _____

Stick is a family of cylindrical bollards with a simple and essential design, characterised by perfect uniformity of light all round. Available in three different sizes, each in two versions, single and double emission, Stick is particularly suitable for residential areas and guarantees a diffuse and homogeneous light beam. The Stick family, for its aesthetic and dimensional characteristics, completes the Microlighting collection designed to enhance outdoor residential spaces.

PHOTOMETRIC SUMMARY

Model	Power (W)	Optic	Lumens (lm)	Efficacy (lm/W)	Candela (cd)	BUG
S2090W S2095W	7.5	Single emission	152	20	122	B0 U1 G0
S2091W S2096W	15	Double emission	301	22	193	B0 U1 G0

For 3000K, 90CRI. Consult *page 5* for full photometric data.

FINISH OPTIONS

09	24

PREMIUM

01	07	14	20

Consult factory for custom finishes
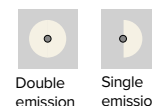
FEATURES

- 0-10V, DALI, DMX, (120-277V) down to 1%, LTE (120V) down to 1%.
- Remote LED driver options *page 2*
- Additional sizing available with remote driver: STICK 1.5
- Additional sizing available with integral driver: STICK 3
- Dimensions and mounting options *page 3*
- Full specification available *page 3*
- Consult factory for further customization

OPTIC OPTIONS

Double emission

Single emission

IK 06

IP 54

CE Equivalent Available

cULus

5-Year Limited Warranty

Ø3" (76mm)

Ø3" (76mm)

31 1/2" (800mm)

14 3/16" (360mm)

S2090 S2091

S2095 S2096

ORDERING INFO

PRODUCT CODE   EXAMPLE: S2090H-FW-UNV-09

MODEL	LED	MOUNTING	VOLTAGE	FINISH
Stick 3 Ø3" (76mm) H14 ³⁄₁₆" (360mm)	H 2700K, 90CRI	FW Surface mounted with fixture whip	REM Remote	09 Black
S2090 Single emission	W 3000K, 90CRI			24 Anthracite gray
S2091 Double emission	N 4000K, 90CRI			*Premium*
Stick 3 Ø3" (76mm) H31 ½" (800mm)				01 White
S2095 Single emission				07 Green
S2096 Double emission				14 Aluminum gray
				20 Burnished Bronze

MOUNTING ACCESSORIES

To be ordered separately.

**CONNECTION ACCESSORY CODE**   EXAMPLE: S2098+S2099

STAKE IN POLYPROPYLENE

S2098 Stake for Stick 3 H360. Color: black		Dimension	Length	Weight
		Ø4.7" x 16.6" (Ø120mm x 422mm)	12" (304mm)	0.24lb (0.11kg)

FLANGE FOR CONCRETE INSTALLATION

S2099
Ø3" (76mm)
Flange with stainless steel screws for Stick 3 H360 and H800 new poured concrete installation.

6½" (165mm)

Ø2¹⁵⁄₁₆" (75mm)

Ø7³⁄₁₆" (182mm)

Ø1⁷⁄₈" (48mm)

SISTEMALUX
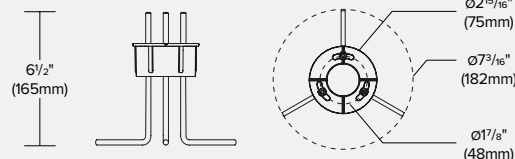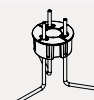
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REMOTE LED DRIVER OPTIONS

To be ordered separately.

DRIVER CODE   EXAMPLE: 4445-0500-009-120-LTE

INDOOR RATED DRIVER BOX MODELS	MAX DISTANCE**	MIN-MAX UNITS		OUTDOOR RATED DRIVER BOX MODELS	MAX DISTANCE**	MIN-MAX UNITS	
		STICK 3 S2090 / S2095 6W*	STICK 3 S2091 / S2096 12W*			STICK 3 S2090 / S2095 6W*	STICK 3 S2091 / S2096 12W*
		SINGLE EMMISSION	DOUBLE EMMISSION			SINGLE EMMISSION	DOUBLE EMMISSION
4445-0500-009-120-LTE		1		4548-0500-009-120-LTE		1	
4445-0500-016-120-LTE			1	4548-0500-016-120-LTE			1
4450-0500-020-UNV-ED10		1-3	1	4549-0500-020-UNV-ED10		1-3	1
4448-0500-040-UNV-ED10		1-6 (max 3 per output)	1-2 (max 1 per output)	4549-0500-040-UNV-ED10		1-6 (max 3 per output)	1-2 (max 1 per output)
4450-0500-020-UNV-EDA	118ft (36m)	1-3	1	4549-0500-020-UNV-EDA	118ft (36m)	1-3	1
4448-0500-040-UNV-EDA		1-6 (max 3 per output)	1-2 (max 1 per output)	4549-0500-040-UNV-EDA		1-6 (max 3 per output)	1-2 (max 1 per output)
4450-0500-050-UNV-PDMX		1-8 (max 2 per channel)	1-4 (max 1 per channel)	4549-0500-050-UNV-PDMX		1-8 (max 2 per channel)	1-4 (max 1 per channel)

* Wattage requirement for one (1) fixture.
**Max distance cable calculated for 16AWG cable. Contact customer service for longer remote distance.

DRIVER BOX MODEL DESCRIPTION

MODEL (L × W × H)	CONSTANT CURRENT	WATTAGE	VOLTAGE	DIMMING PROTOCOL
4445 6" x 5" x 3" (152 x 127 x 76mm)	**0500** 500mA	**009 to 050** 9W to 50W	**120** 120V	**ED10** 0-10V down to 1%
4448 10" x 8" x 4" (254 x 203 x 102mm)			**UNV** 120-277V	**EDA** DALI down to 1%
4450 8" x 8" x 4" (203 x 203 x 102mm)				**PDMX** DMX RDM down to 1%
4548 6" x 4.5" x 3" (152 x 114 x 76mm)				**LTE** Leading and Trailing edge down to 1%
4549 14.5" x 5" x 3.5" (368 x 127 x 89mm)				

DRIVER BOX DIMENSIONS

INDOOR RATED

OUTDOOR RATED
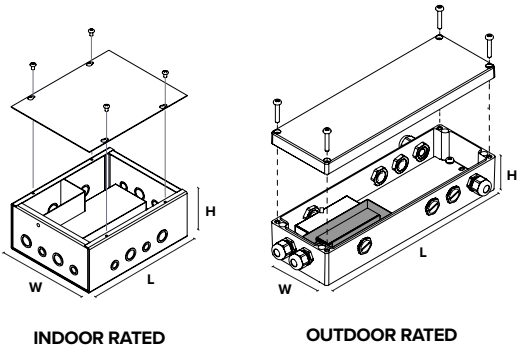
WIRING DIAGRAMS
Multiple luminaires must be connected in series (home run or fixture chain).

SISTEMALUX

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SPECIFICATIONS

LUMEN MAINTENANCE
80% of initial lumens at 70 000 hours (L80 B10) Ta 77°F (25°C)
80% of initial lumens at 50 000 hours (L80 B10) Ta 104°F (40°C) (LM-80)

OPTICS:
Single and double emission.

BUG RATING
B0 U1 G0

MATERIAL
Boby: Die-cast aluminum
Diffuser: Toughened glass.

MOUNTING
Stick 3 H=360, install with flange accessory, fasten to ground, or ground stake.
Stick 3 H=800, install with flange accessory, fasten to ground.

ELECTRICAL
Stick3: Constant current 500mA. Comes with 16' (5m) of cable.
See remote LED driver options on *page 2*

DIMMING
Stick 3: See dimmable options on *page 2*.

FINISH
Anthracite gray (24) or black (09) painted finish, following a double powder paint in 3 step process: surface treatment containing ceramic nano particles (Bonderite). Epoxy primer paint. Polyester powder paint with high resistance against UV rays and harsh weather conditions.
See *page 1* for other premium finishes available: white (01), green (07), aluminum gray (14) and burnished bronze (20).
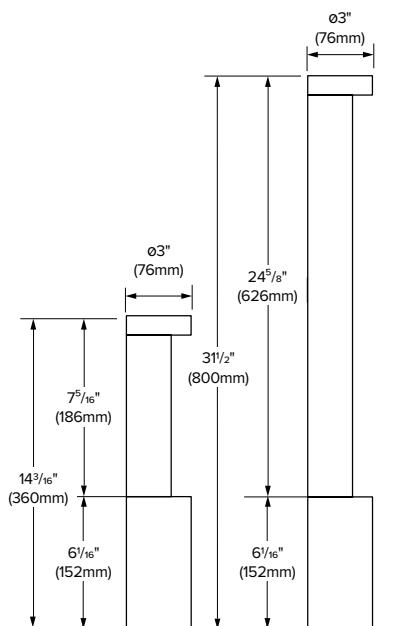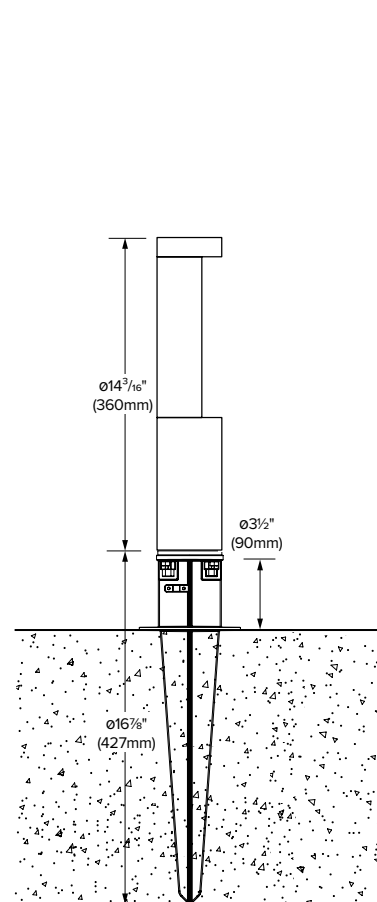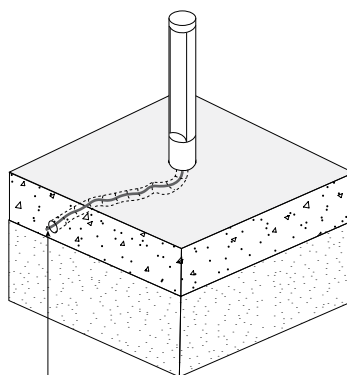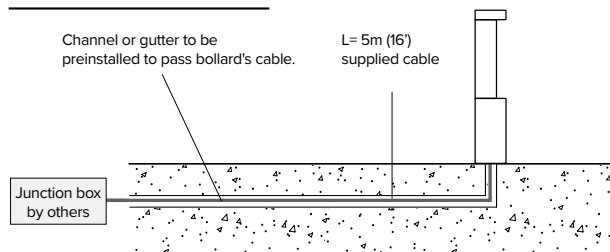We provide RAL numbers that are similar, but we cannot guarantee an exact color match. For a more accurate color and gloss match, please contact customer service for a sample chip.
Similar RAL numbers:
Anthracite gray RAL9007, black RAL9005, white RAL9016, green RAL6028, aluminum gray RAL9006 and burnished bronze RAL8019.

OPERATING TEMPERATURE
-4°F to 122°F (-20°C a +50°C)

WEIGHT
Stick 3 H=360, Single emission: 5.64lb (2.56kg)
Stick 3 H=360, Double emission: 5.75lb (2.61kg)
Stick 3 H=800, Single emission: 8.13lb (3.69kg)
Stick 3 H=800, Double emission: 8.24lb (3.74kg)

DIMENSIONS

ON GROUND
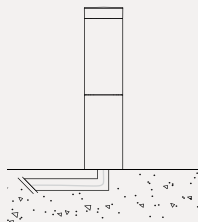
WITH STAKE

WIRING INFORMATIONS

Channel or gutter to be preinstalled to pass bollard's cable.

L= 5m (16') supplied cable

Junction box by others

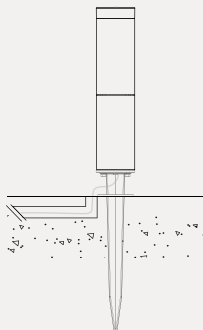To junction box and remote power supply class 2.

STICK 3
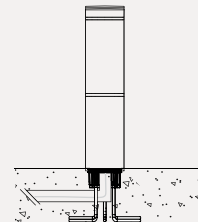*Bollard - Remote*

Project: _____

Type: _____

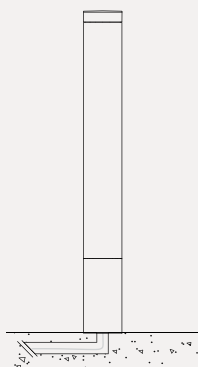## MOUNTING OPTIONS

STICK 3 H360 H14 ³⁄₁₆" (360mm)

FW-REM - Fixture whip. Installed directly to solid surface with recessed channel or gutter.
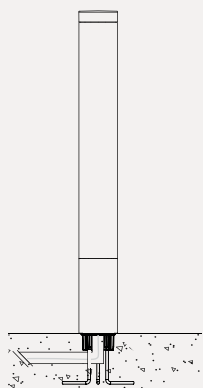
FW-REM - Mounting on stake (S2098) to be ordered separately, *page 1*. 3.5"of the upper part stays out of the ground. For H360 only.

FW-REM - Mounting with flange Ø3" (76mm) with stainless steel screws (S2099) to be ordered separately, *page 1*. New installation with poured concrete and recessed channel or gutter.

STICK 3 H800 H31 ½" (800mm)

FW-REM - Fixture whip. Installed directly to solid surface with recessed channel or gutter.

FW-REM - Mounting with flange Ø3" (76mm) with stainless steel screws (S2099) to be ordered separately, *page 1*. New installation with poured concrete and recessed channel or gutter.
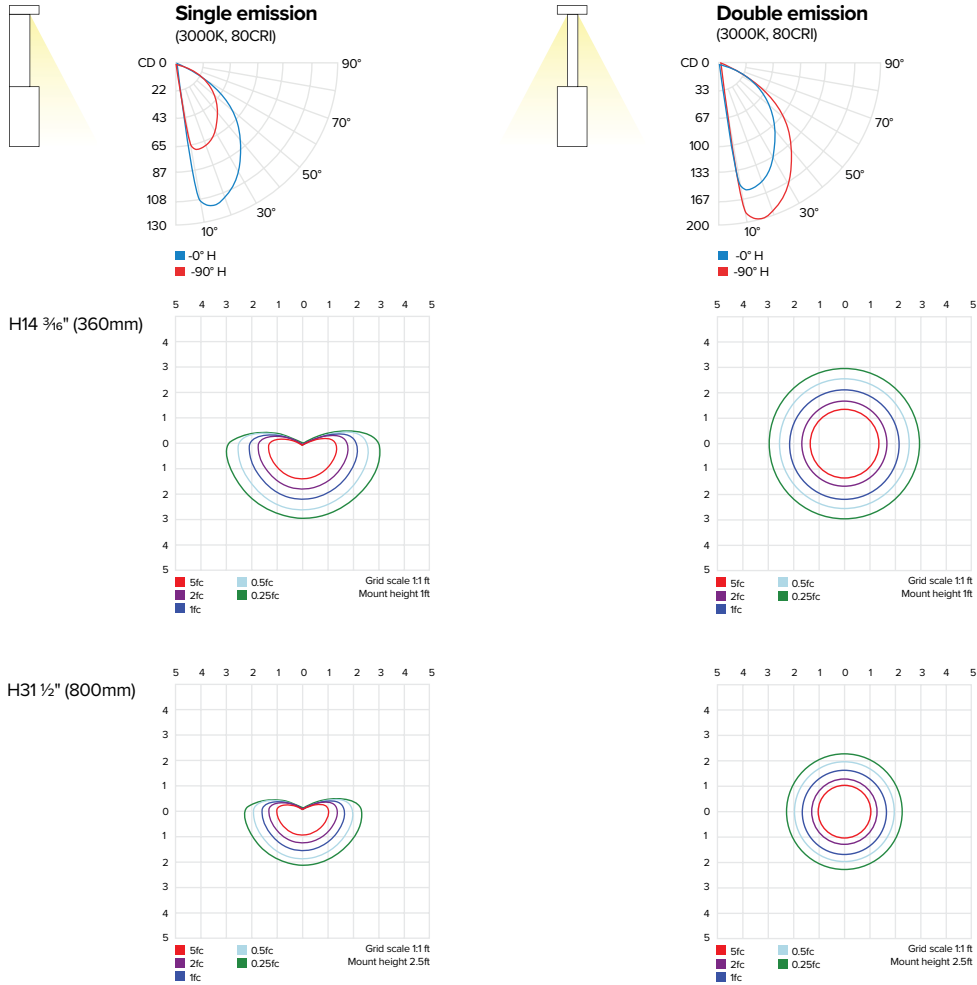
SISTEMALUX

STICK 3
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Project: _____

Type: _____

PHOTOMETRIC DATA

CCT (K)	CRI	POWER* (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	BUG	MODELS
3000	90	7.5	Single emission	152	20	122	B0 U1 G0	S2090W, S2095W
		15	Double emission	301	22	193		S2091W, S2096W

*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected.

Single emission (3000K, 80CRI)

Double emission (3000K, 80CRI)

H14 ¾₆" (360mm)

Grid scale 1:1 ft
Mount height 1ft

■ 5fc ■ 0.5fc
■ 2fc ■ 0.25fc
■ 1fc

Grid scale 1:1 ft
Mount height 1ft

■ 5fc ■ 0.5fc
■ 2fc ■ 0.25fc
■ 1fc

H31 ½" (800mm)

Grid scale 1:1 ft
Mount height 2.5ft

■ 5fc ■ 0.5fc
■ 2fc ■ 0.25fc
■ 1fc

Grid scale 1:1 ft
Mount height 2.5ft

■ 5fc ■ 0.5fc
■ 2fc ■ 0.25fc
■ 1fc

CCT options	2700K	3000K	4000K
CRI options	90CRI	90CRI	90CRI
Multiplier	1	1	1.07