

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

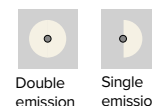
For 3000K, 90CRI. Consult [page 5](#) for full photometric data.

FINISH OPTIONS

09	24		
PREMIUM			
01	07	14	20

Consult factory for custom finishes

OPTIC OPTIONS



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 [page 3](#)
- Mounting options [page 4](#)
- Full specification available [page 3](#)
- Consult factory for further customization

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 1/2" (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

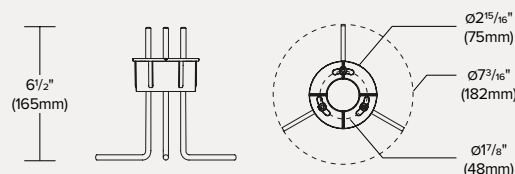
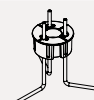
STAKE IN POLYPROPYLENE

S2098	Dimension	Length	Weight
Stake for Stick 3 H360. Color: black	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.



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REMOTE LED DRIVER OPTIONS

To be ordered separately.

DRIVER CODE

EXAMPLE: 4445-0500-009-120-LTE

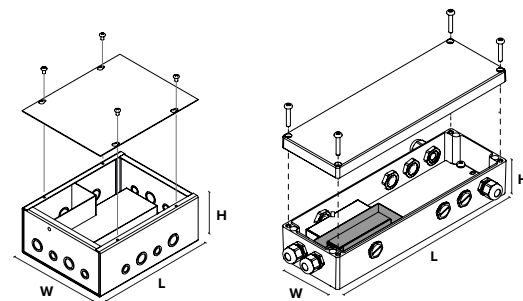
INDOOR RATED DRIVER BOX MODELS	MAX DISTANCE**	MIN-MAX UNITS		OUTDOOR RATED DRIVER BOX MODELS	MAX DISTANCE**	MIN-MAX UNITS	
		STICK 3 S2090 / S2095 6W*	STICK 3 S2091 / S2096 12W*			STICK 3 S2090 / S2095 6W*	STICK 3 S2091 / S2096 12W*
		SINGLE EMISSION	DOUBLE EMISSION			SINGLE EMISSION	DOUBLE EMISSION
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	118ft (36m)	1-3	1	4549-0500-020-UNV-ED10	118ft (36m)	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		1-3	1	4549-0500-020-UNV-EDA		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.

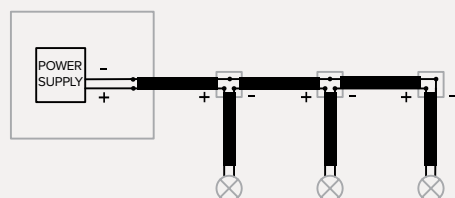
**Max distance cable calculated for 16AWG cable. Contact customer service for longer remote distance.

DRIVER BOX MODEL DESCRIPTION

MODEL (L x W x 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).



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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

BO 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).

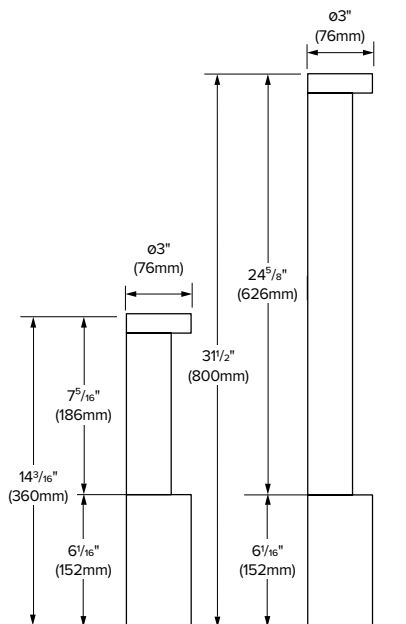
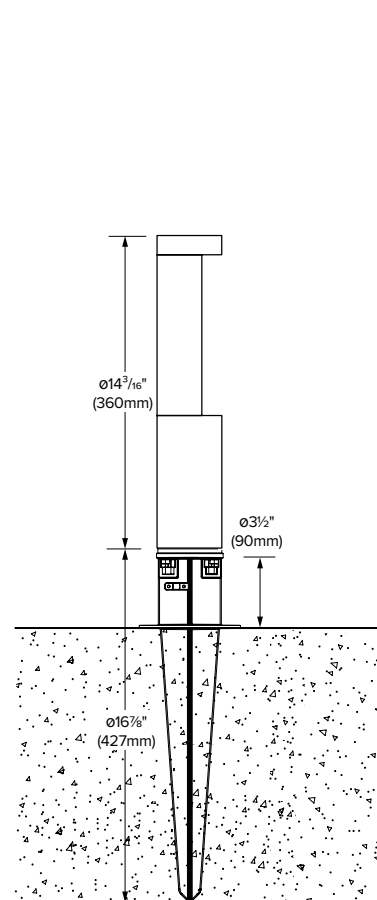
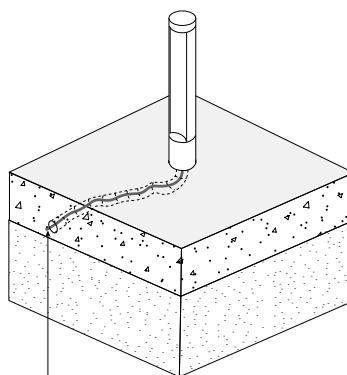
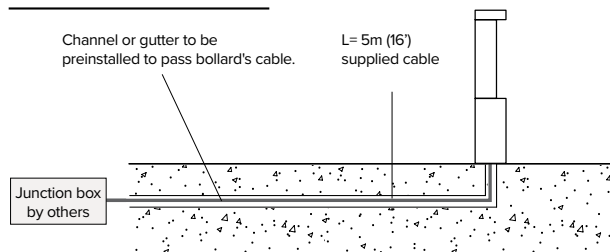
We provide RAL numbers that are similar, but we cannot guarantee an exact color match. For a more accurate color and gloss match, please contact customer service for a sample chip.

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 INFORMATION**

To junction box and remote power supply class 2.

STICK 3

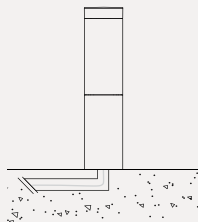
Bollard - Remote

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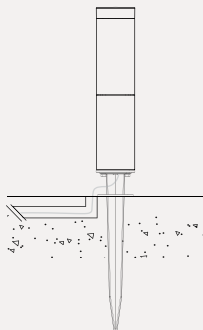
Type: _____

MOUNTING OPTIONS

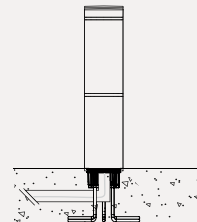
STICK 3 H360 H14 3/16" (360mm)



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

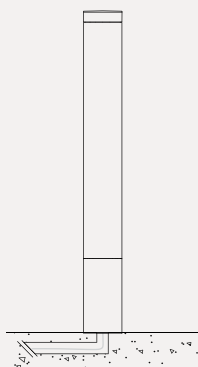


FW-REM - Mounting on stake (S2098) to be ordered separately, [page 1](#). 3.5" of the upper part stays out of the ground. For H360 only.

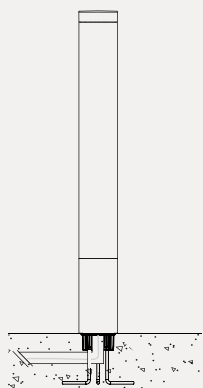


FW-REM - Mounting with flange Ø3" (76mm) with stainless steel screws (S2099) to be ordered separately, [page 1](#). New installation with poured concrete and recessed channel or gutter.

STICK 3 H800 H31 1/2" (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.

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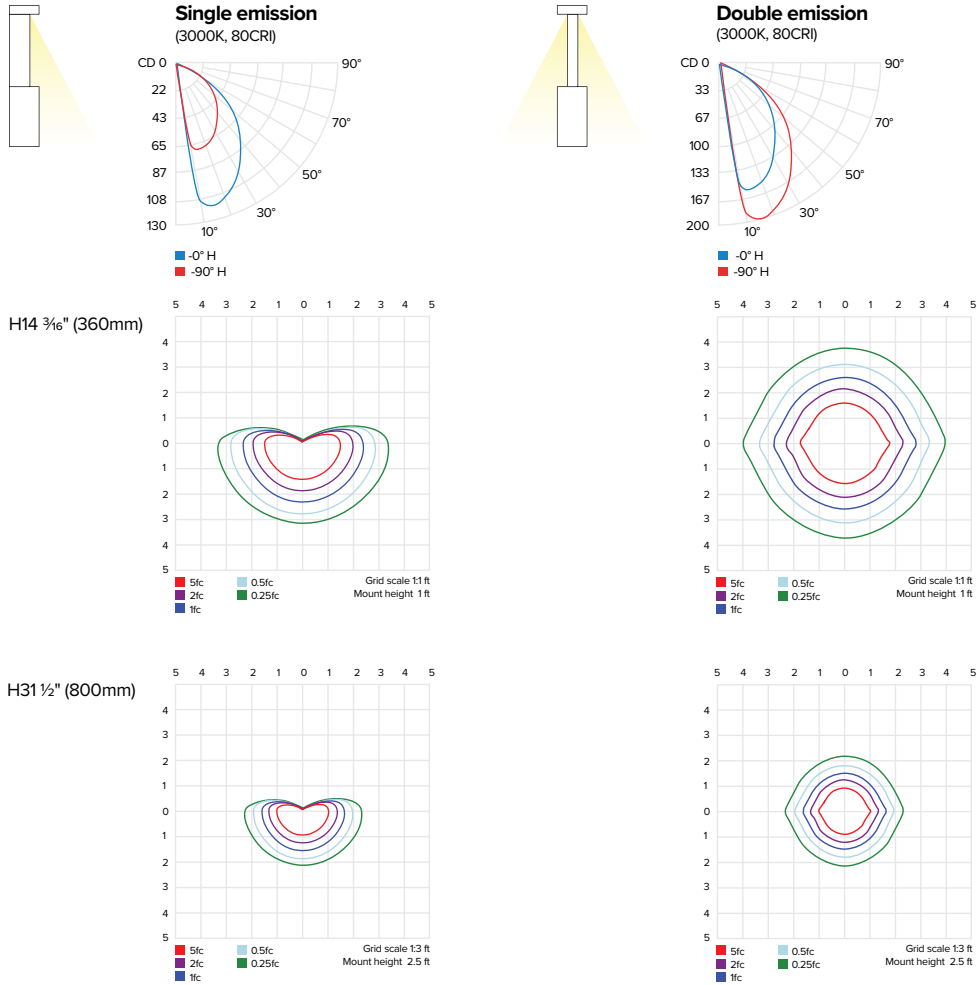
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PHOTOMETRIC DATA

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.



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