LED
LIGHTING CONCEPTS LLC

PROJECT:		PREPARED BY:	
PART #		QTY:	
NOTES:		DATE:	

DATA SHEET

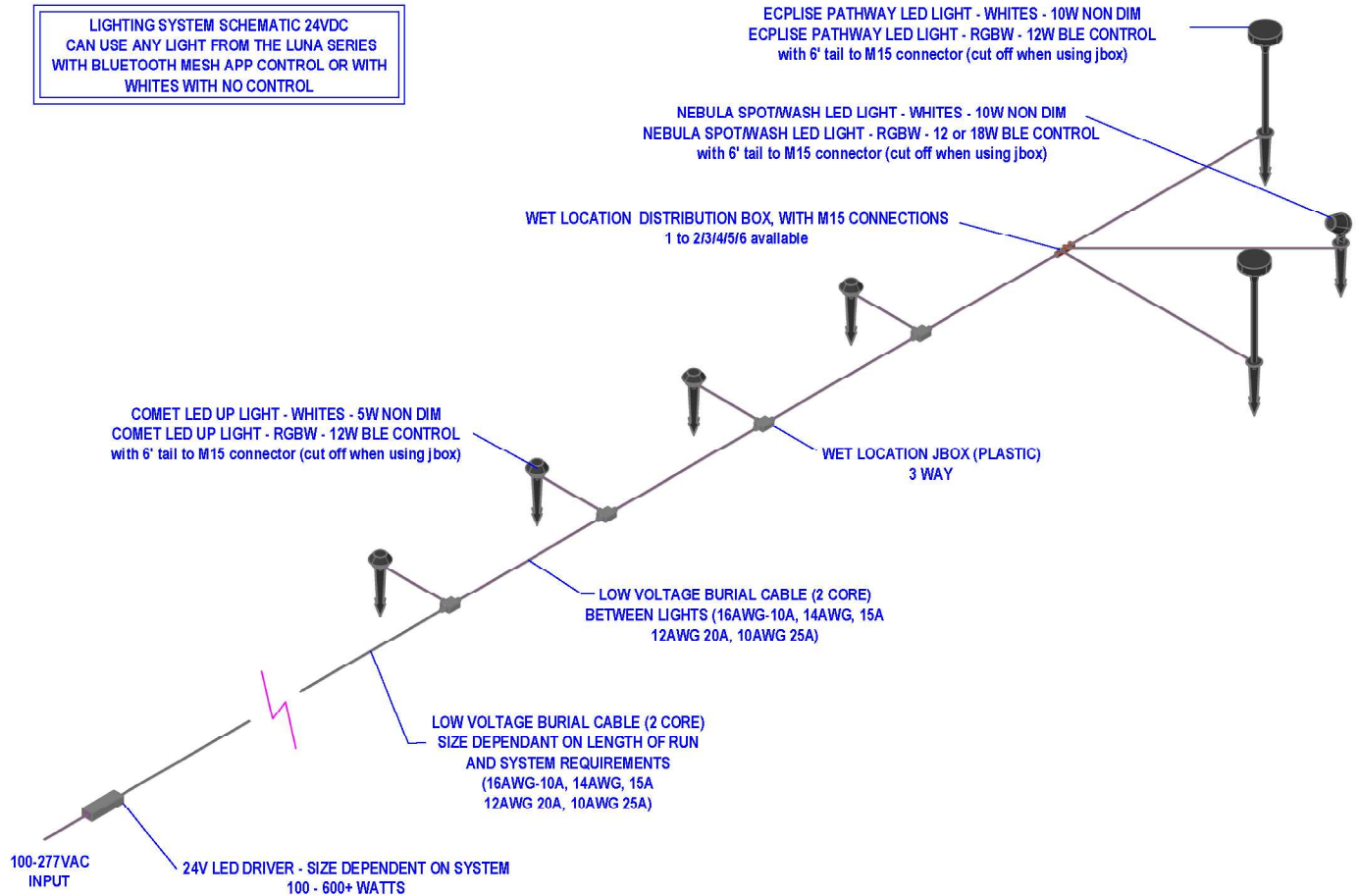## PRODUCT NAME OR SERIES

LED Landscape package for residential or commercial properties adds customized curb appeal and accents architectural features and gardens with beautiful ambiance. The system offers superb warm white and individual lighting control with vibrant colors for holidays and special occasions.

- Visibility enhances safety and security
- Dimmable white and color mixing options within APP
- Individual control of each light, 200 in total, with 100' mesh range (each light)
- Easy installation (Plug and Play)
- APP controlled with Blue Tooth Mesh Network (Smart Home APP)
- Low voltage (24Vdc)
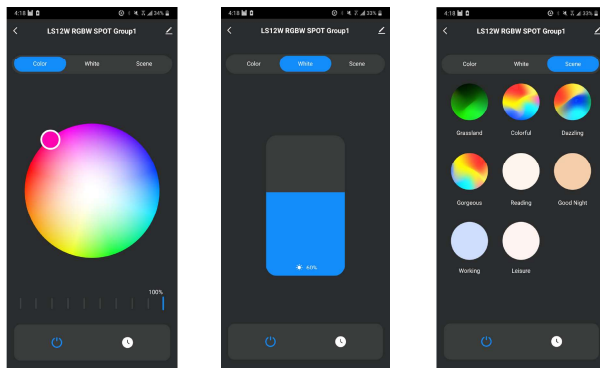- Totally waterproof system

LED LIGHTING CONCEPTS LLC
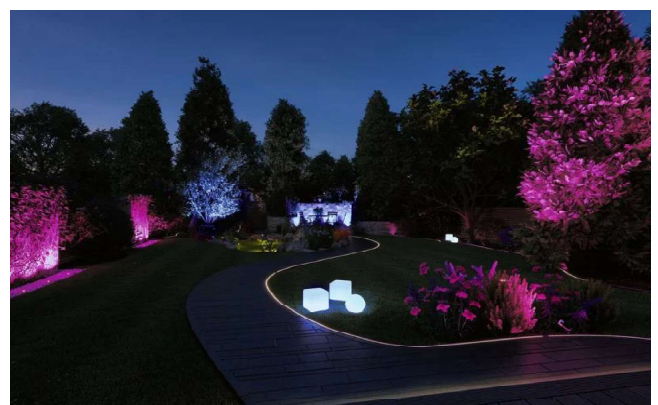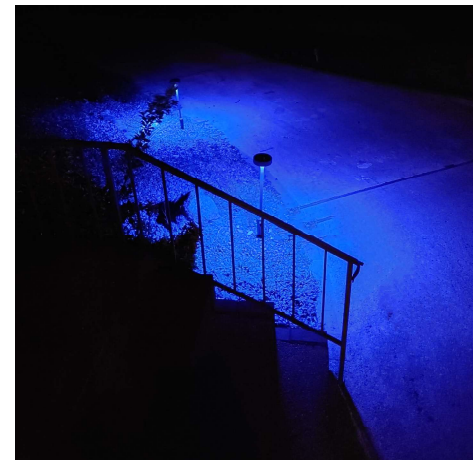
LIGHTING SYSTEM SCHEMATIC 24VDC
CAN USE ANY LIGHT FROM THE LUNA SERIES
WITH BLUETOOTH MESH APP CONTROL OR WITH
WHITES WITH NO CONTROL

ECPLISE PATHWAY LED LIGHT - WHITES - 10W NON DIM
ECPLISE PATHWAY LED LIGHT - RGBW - 12W BLE CONTROL
with 6' tail to M15 connector (cut off when using jbox)

NEBULA SPOT/WASH LED LIGHT - WHITES - 10W NON DIM
NEBULA SPOT/WASH LED LIGHT - RGBW - 12 or 18W BLE CONTROL
with 6' tail to M15 connector (cut off when using jbox)

WET LOCATION DISTRIBUTION BOX, WITH M15 CONNECTIONS
1 to 2/3/4/5/6 available

COMET LED UP LIGHT - WHITES - 5W NON DIM
COMET LED UP LIGHT - RGBW - 12W BLE CONTROL
with 6' tail to M15 connector (cut off when using jbox)

WET LOCATION JBOX (PLASTIC)
3 WAY

LOW VOLTAGE BURIAL CABLE (2 CORE)
BETWEEN LIGHTS (16AWG-10A, 14AWG, 15A
12AWG 20A, 10AWG 25A)

LOW VOLTAGE BURIAL CABLE (2 CORE)
SIZE DEPENDANT ON LENGTH OF RUN
AND SYSTEM REQUIREMENTS
(16AWG-10A, 14AWG, 15A
12AWG 20A, 10AWG 25A)

100-277VAC
INPUT

24V LED DRIVER - SIZE DEPENDENT ON SYSTEM
100 - 600+ WATTS

Bluetooth Mesh Controller

The LUNA Landscape Lighting Series is controlled with Bluetooth Mesh Technology which allows you to manage up to 200 lights with the Tuya smart home APP. The lights can be grouped or controlled individually. Maximum transmission distance for Bluetooth Mesh is 30M (100') between lights therefore the system can accommodate a very large area, up to 2M square feet.

PROJECT:		PREPARED BY:	
PART #		QTY:	
NOTES:		DATE:	

NEBULA (SPOT / FLOOD)	POWER WATTS	Amps @ 24Vdc	BEAM SPREAD	VOLTAGE	CCT/CRI	LM/W	CONTROL
	10W	0.41A	15,24,36,60°	AC 120-277V DC 24V	2700/3000 Ra80	100lm/w	NO
	12W	0.5A	15,24,36,60°	DC 24V	2700/3000 Ra80	60lm/w	RGBW

ECLIPSE (PATHWAY)	POWER WATTS	Amps @ 24Vdc	BEAM SPREAD	VOLTAGE	CCT/CRI	LM/W	CONTROL
	10W	0.41A	180°	AC 120-277V DC 24V	2700/3000 Ra80	100lm/w	NO
	12W	0.75	180°	DC 24V	RGBW	60lm/w	RGBW

COMET (UP-LIGHT)	POWER WATTS	Amps @ 24Vdc	BEAM SPREAD	VOLTAGE	CCT/CRI	LM/W	CONTROL
	5W	0.203	8,11,15,24,36,60, 40*12°	AC 120-277V DC 24V	2700/3000 Ra80	100lm/w	NO
	12W	0.5A	8,11,15,24,36,60, 40*12°	DC 24V	RGBW	60lm/w	RGBW

Material: 316 stainless steel

Professional Installation Cabling

The Luna Landscape Lighting Series can be installed professionally, tailored to the design, and cables cut and terminated into 3 junction boxes (and put safely underground)

Plug & Play Cabling

The Lights will come standard with a 2M tail to an M15 connector (which will be cut off for professional installs) For the DIY home enthusiast we off a plug and play cable system (using M15 connections through-out) which is very easy to use and install.

2m 2 exits

5m 4 exits

10m 5 exits

15m 7exits
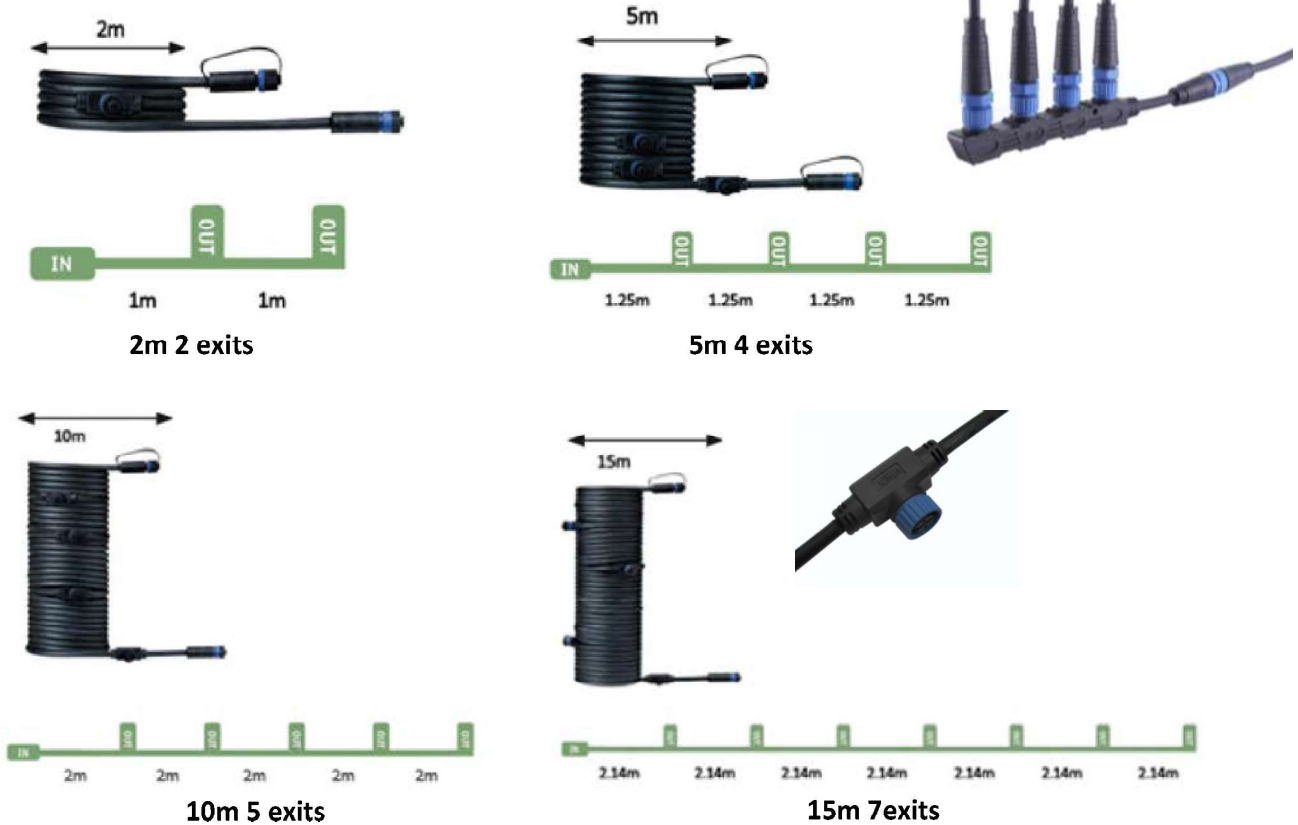
<u>LED Drivers</u>

LED drivers are supplied based on system requirements plus 25% head room, according to light type and quantity.
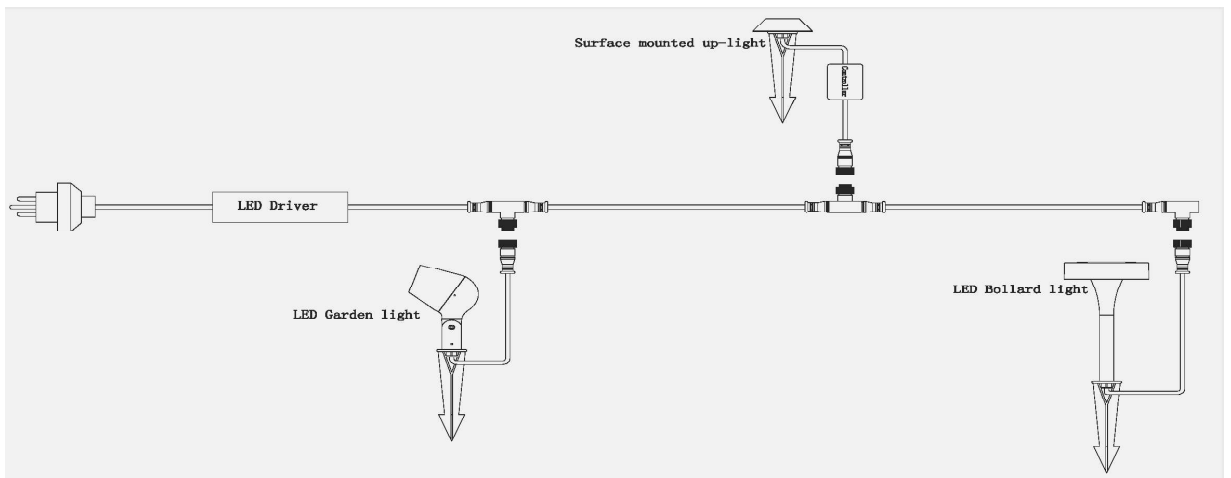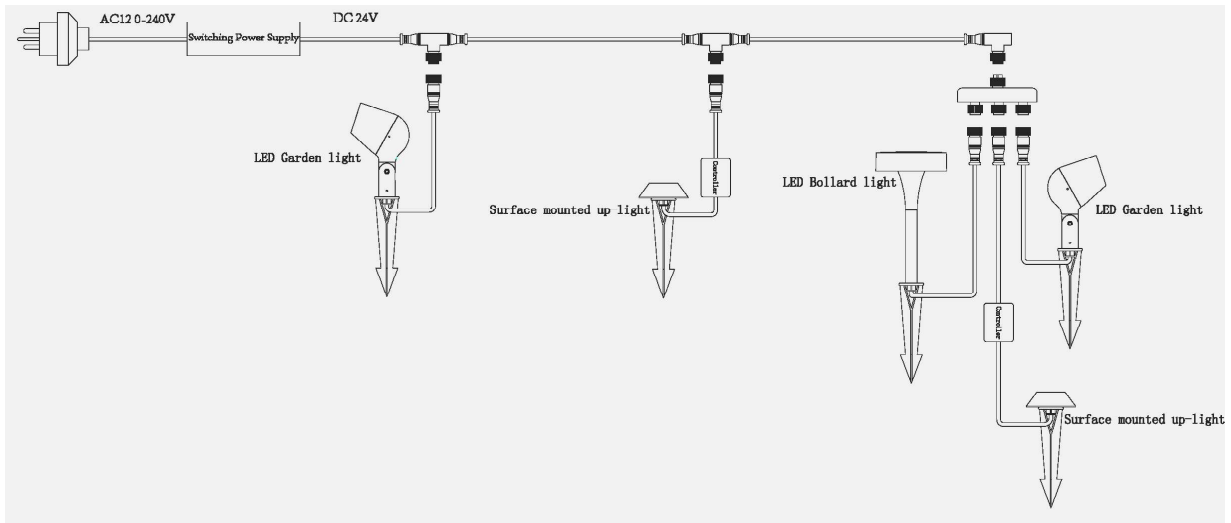
- Full range AC input: 90~305Vac

- Operating case temperature: -40~+90°C

- Safety approval: UL60950-1

- UL8750 LED power supply

- Meet 4kV surge immunity level (IEC61000-4-5)

- Built-in active PFC

- IP65 durable Aluminium enclosure

- High efficiency

- Output voltage and constant current level can be adjusted through internal potentiometers

- Protections: short circuit / over current / over voltage / over temperature

- Applications: LED electric display, lighting, LED street lighting and indoor/outdoor lighting
- **MEAN WELL** 7 year warranty

System

LS-BLE series, uses a Bluetooth Mesh transceiver which can be used with ANY LS-BLE series luminaire. Each Controller has its own identity and can be addressed individually. The maximum quantity of lights per system is 99. Cabling is supplied with 5M with 2 outputs, 10M with 5 outputs and 15M with 7 outputs. This makes for easy installation of any of the LT-BLE series lights, in color mixing or warm white. Max cable length with power at one end is 15M. Can add low voltage using t-connections to boost 24V.

LED Lighting Concepts LLC

AC12 0-240V · Switching Power Supply · DC 24V · LED Garden light · Surface mounted up light · LED Bollard light · LED Garden light · Surface mounted up-light

Surface mounted up-light · LED Driver · LED Garden light · LED Bollard light

Solution Benefits

✓ **Multi-link connection**

LAN links are prioritized with milliseconds response. In case of internet disconnection, device connection is ensured through local Bluetooth network.

✓ **Work without a gateway**

Local control of a single light or a group of lights is available even without a gateway, making light control secure and reliable.

✓ **Local smart linkage**

Without internet connection, as long as devices are connected to the gateway, local scenario linkages with electrical devices and sensors can be achieved.
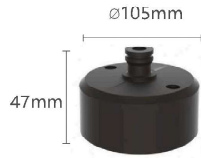
✓ **Wide control range**

Tuya's smart lighting solutions adopt the Bluetooth SIG's latest mesh networking technology to relay and route smart LED lights (up to eight hops), achieving an unobstructed indoor control radius of up to 240 meters.
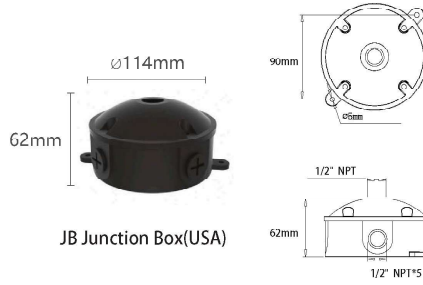
Options
ACCESSORIES

∅105mm

47mm

SB Surface Base Mount

∅114mm

62mm

90mm

∅6mm

1/2" NPT

62mm

1/2" NPT*5

JB Junction Box(USA)

160mm

51mm

1/2" NPT*5
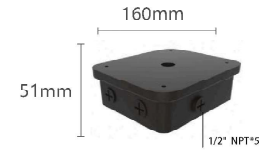
WM Wall Mount(USA)

Options
ACCESSORIES

300mm
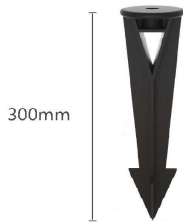
GS Ground Stake1.0
Material: PC

φ60mm

Polar cap

500mm

GS Ground Stake1.1
Material: PVC
*Can be customized in different lengths

φ76mm

800mm
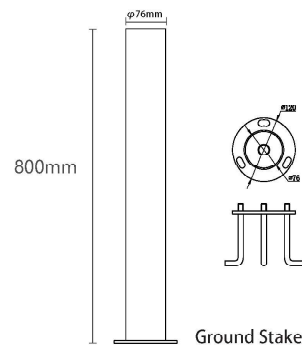
Ground Stake1.2
Material: steel
*Can be customized in different lengths