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LUXPOINT® LED Spotlight - Tahbert

Datasheet



The Tahbert LED Spotlight Series offers adjustable and fixed-angle options with a 3CCT switch (2700K/3000K/4000K), allowing for versatile ambiance control. This series ensures a long lifespan and consistent output, providing a premium directional lighting solution for galleries, retail showrooms, and residential spaces that require both reliability and flexibility.

Benefits

- Versatile Light Options
- Environmentally Friendly
- Easy Installation & Maintenance
- Wide Range of Application

Applications

- Living rooms
- Retail stores
- Restaurants
- Gallery
- Other demanding environments

Specifications are subject to change without notice. Errors and omission excepted, always make sure to use the most recent release.

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Technical Data



Angle Adjustment



Fixed Angle

Optical Specifications

Wattage		12W	20W
Luminous Flux@CCT	2700K	900lm	1600lm
	3000K	960lm	1700lm
	4000K	960lm	1700lm
Total luminous flux of contained light sources@CCT	2700K	1200lm	2200lm
	3000K	1200lm	2200lm
	4000K	1200lm	2200lm
Efficacy		80lm/W	85lm/W
Flickering metric (Pst LM)		<1	<1
Stroboscope effect metric (SVM)		<0.4	<0.4
CRI		≥90	≥90
SDCM		< 6	< 6
Beam Angle		24°	24°
Photobiological safety group acc. To EN62778		RG0	RG0
Photobiological safety group acc. To EN62471		RG0	RG0
Dimmable		No	No

Electrical and Mechanical Specifications

Input Voltage		220-240V ~50/60Hz	
Nominal Current		100mA	150mA
Inrush current time Th50		5µs@2A	6µs@2A
Power Factor		0.5	0.5
Max. number of luminaires per miniature circuit breaker	B16	128	85
	C10	80	53
	C16	128	85
Protection class		Class II	Class II
Dimensions	ADJ	D Ø91mm	
		H110mm	
	FX	D Ø81mm	D Ø100mm
		H 85mm	H 90mm
Weight	ADJ	515g	
	FX	287g	374g
Housing		Extruded Aluminum	Extruded Aluminum
Diffuser		PC Lens, PC reflector	PC Lens, PC reflector
Replaceable light source		No	No
Replaceable Control gear		No	No
Glow wire test according to IEC60695-2-12		650°C	650°C

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Technical Data

System Specifications

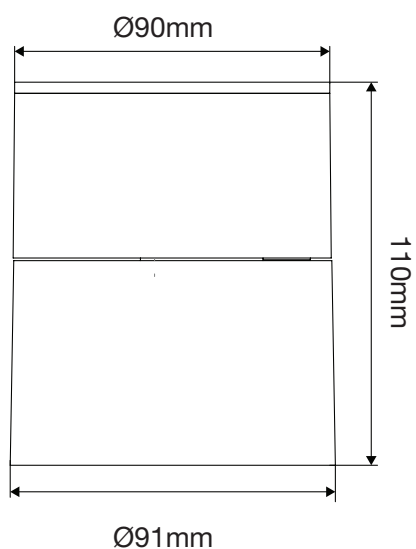
Power	AC mains
Operating Temperature	-20°C ~ 45°C
Storage Temperature	-20°C ~ 60°C
Lifespan L70/B50 at 45°C	30,000 hours
Lifespan L70/B50 at 25°C	50,000 hours
Number of switching cycles	50,000
Environment	Indoor
Safety Approval	CE, UKCA, RoHS
Mercury content	0.0mg
Warranty	3 years

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Dimension

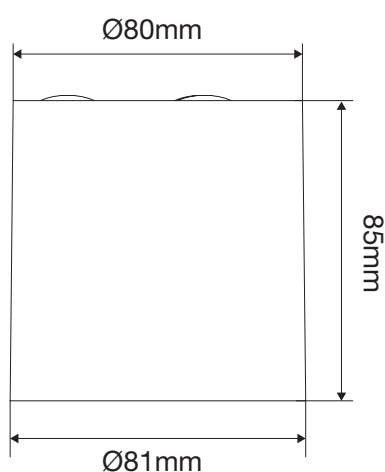
Angle Adjustment

12W

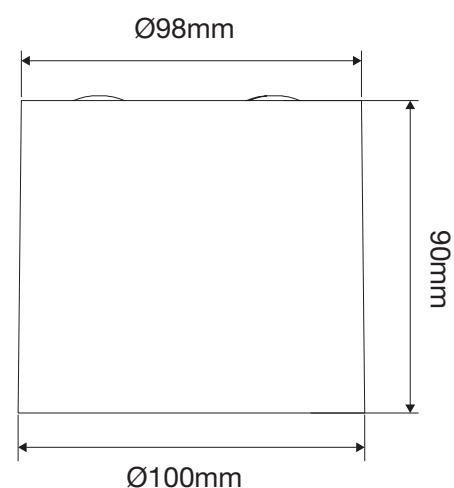


Fixed Angle

12W



20W



Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

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Ordering codes

Fixture

Short Text	Wattage	CCT	Ra	Fixture Lumen	Light Source Lumen	Beam Angle	Item code	EAN-13
LP SP 001 ADJ 12W 827/830/840 SF WH	12W	2700K/3000K/4000K	80	960lm	1200lm	30°	TXGL25100117555	4895271102241
LP SP 001 ADJ 12W 827/830/840 SF BL	12W	2700K/3000K/4000K	80	960lm	1200lm	30°	TXGL25100117655	4895271102258
LP SP 002 FX 12W 827/830/840 SF WH	12W	2700K/3000K/4000K	80	960lm	1200lm	38°	TXGL25100117755	4895271102265
LP SP 002 FX 12W 827/830/840 SF BL	12W	2700K/3000K/4000K	80	960lm	1200lm	38°	TXGL25100117855	4895271102272
LP SP 003 FX 20W 827/830/840 SF WH	20W	2700K/3000K/4000K	80	1700lm	2200lm	38°	TXGL25100117955	4895271102289
LP SP 003 FX 20W 827/830/840 SF BL	20W	2700K/3000K/4000K	80	1700lm	2200lm	38°	TXGL25100118055	4895271102296

Service contact:
Traxon Technologies Ltd.
Room 1604, 16/F, First Group Centre, 23 Wang Chiu Road,
Kowloon Bay, Kowloon, Hong Kong, China
www.traxon-ecue.com

Traxon Technologies Europe GmbH
Im Dörener Feld 8, 33100 Paderborn, Germany