

LEDway® Road

IP66 Street Light – Adjustable Arm Mount – TS (Type II Short)

Product Description

Luminaire housing is all aluminum construction. All components are mercury free and recyclable. Sharp profile for low wind exposure. Toolless entry. Provided with a tenon mounting system that allows for direct arm or pole-top installation (90°) on cylindrical poles and arms with a diameter of 60mm. The adjustable bracket allows the fixture to be tilted by increments of 5° in order to maintain a horizontal position with respect to the ground, making it ideal for retrofit installations as well.

Performance Summary

Utilizes BetaLED® Technology

Patented NanoOptic® Product Technology

CRI: Minimum 70 CRI

CCT: 5700K (+/- 500K) Standard, 4000K (+/- 300K)

Warranty*:

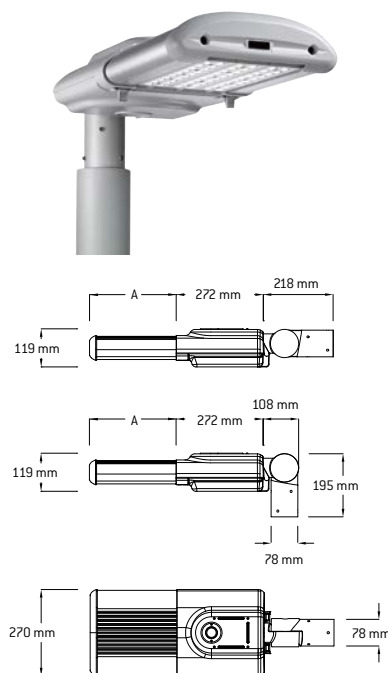
Class 1 - 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

Class 2 - 5 years on luminaire/10 years on Colorfast DeltaGuard® finish

Accessories

Field Installed Accessories

BRDSPK30 Bird Spikes for Light Engine, 20-30 LEDs	KIT ADATT. PALO 34MM Adaptor Kit for dia. 34mm poles
BRDSPK60 Bird Spikes for Light Engine, 40-60 LEDs	KIT ADATT. PALO 42MM Adaptor Kit for dia. 42mm poles
BRDSPK120 Bird Spikes for Light Engine, 80-120 LEDs	KIT ADATT. PALO 48MM Adaptor Kit for dia. 48mm poles
BRDSPKHSG Bird Spikes for Housing	



LED Count	Dimension	Measurement	Weight
20	"A"	156mm	7,52kg
30		156mm	7,92kg
40		270mm	9,22kg
50		270mm	10,42kg
60		270mm	10,52kg
80		552mm	14,72kg
90		552mm	14,82kg
100		552mm	14,92kg
110		552mm	15,02kg
120		552mm	15,12kg

Ordering Information

Example: LXDT5702EGSV15

L	X	D	TS	7	02	E	G	SV	I5
Product	Insulation Class	Model	Optic	Mounting	LED Count (x10)	Version	Options (consult company for available options)	Color Options*	Drive Current
LEDway	X Class 1 Y Class 2	D Road	TS Type II Short	7	02 03 04 05 06 08 09 10 11 12	E	No code 5700K 43 4000K K# Light Control with Occupancy Sensor** - Flux dimming control with occupancy sensor - Available up to 120 LEDs D# Power Line Communication System (PLC) - Power line control system with dimmable driver G# Bi-Level Control - Two distinct power levels, High/Low - Available up to 120 LEDs D Dimmable Driver - Dimmable driver 1-10V with external controller - Available up to 120 LEDs S# Virtual Midnight - Two levels option with virtual midnight - Available up to 100 LEDs in class 1 - Available up to 60 LEDs in class 2 T# Reprogrammable Virtual Midnight - Reprogrammable 2 levels option with virtual midnight - Available up to 120 LEDs R# Flux Dimming - Integral dimming system with plants including flux regulators - Available up to 100 LEDs in class 1 - Available from 80 to 120 LEDs in class 2	SV Silver (Standard) BK Black BZ Bronze SB Silver Bronze WH White	No Code 700mA I5 525mA I3 350mA

* Light engine portion of extrusion is not painted and will remain natural aluminum regardless of color selection

† See www.cree.com/lighting for warranty terms

** Not available in Class 2



Rev. Date: 7 October 2013



Product Specifications

BETALED® TECHNOLOGY

LEDway® Road luminaires are powered by BetaLED® Technology delivering outstanding illumination, lasting performance and optimum energy efficiency. Patented NanoOptic® technology optimizes target illumination, performance and offers flexibility with multiple optic choices. NanoOptic compliant with light pollution and photobiological safety standards

CONSTRUCTION & MATERIALS

- Housing is all aluminum construction
- Designed with 1-10V dimming capabilities. Controls by others
- Adjustable mounting arm is rugged die cast aluminum and mounts to a 60mm outer dimension tenon
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Standard is silver. Bronze, black, white, and silver bronze are also available

ELECTRICAL SYSTEM

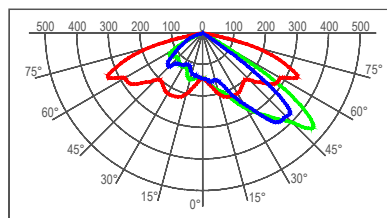
- Input Voltage:** 220 – 240Vac (capable 120-277Vac, please consult company for available configurations) 50/60Hz
- Power Factor:** > 0.9 at full load
- Total Harmonic Distortion:** < 20% at full load
- Quick disconnect harness suitable for mate and break under load provided on power feed to driver for ease of maintenance

REGULATORY & VOLUNTARY QUALIFICATIONS

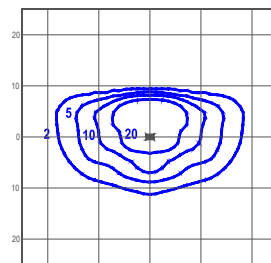
- CE / ENEC Listed
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2, for Class 1 only
- Luminaire and finish are endurance tested to withstand 5,000 hours of elevated ambient salt fog as defined in ASTM Standard B 117
- RoHS Compliant
- For more information on regulatory & voluntary qualifications please consult company

Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.



cd/klm
— C0 - C180 — C90 - C270 — C55 - C235



lux

LXDT5704E

Initial Delivered Lumens: 8058

Test Report #: CESTL-2013-0072

Mounting Height: 6m

IES Files

To obtain an IES file specific to your project, please consult www.cree-europe.com

Effective Flux (lm) - TS (Type II Short) Distribution						
LED Count (x10)	5700K	4000K	System Watts 220~240V	Total Current (A)	50K Hours Projected Lumen Maintenance Factor @ 15° C (59° F)	L ₇₀ Life* (hours)
	Delivered Lumens	Delivered Lumens		230V		
350mA @ 25° C (77° F)						
02	2400	2302	25	0.13	94%	>150000
03	3600	3453	35	0.17		
04	4799	4605	46	0.21		
05	5999	5756	56	0.27		
06	7199	6907	66	0.31		
08	9599	9209	89	0.42		
09	10799	10360	99	0.46		
10	11999	11512	108	0.52		
11	13198	12663	117	0.58		
12	14398	13814	126	0.62		
525mA @ 25° C (77° F)						
02	3356	3223	37	0.17	93%	149000
03	5034	4835	52	0.24		
04	6712	6446	70	0.30		
05	8390	8058	86	0.39		
06	10068	9670	99	0.45		
08	13425	12893	141	0.59		
09	15103	14505	157	0.65		
10	16781	16116	172	0.74		
11	18459	17728	187	0.83		
12	20137	19339	203	0.89		
700mA @ 25° C (77° F)						
02	4197	4029	49	0.23	91%	129000
03	6296	6044	70	0.32		
04	8395	8058	91	0.40		
05	10493	10073	112	0.52		
06	12592	12087	132	0.60		
08	16789	16116	183	0.79		
09	18888	18131	203	0.86		
10	20987	20145	224	1.02		
11	23085	22160	243	1.12		
12	25184	24174	264	1.26		

* Based on fixture operating at 25° C

Maximum Wind Area (lateral surface exposed to wind):		
LED Count (x10)	Arm Mount	Pole Top Mount
02 03	0.051 m2	0.061 m2
04 05 06	0.060 m2	0.070 m2
08 09 10 11 12	0.080 m2	0.090 m2