LEDway® Road

IP66 Street Light – Adjustable Arm Mount – TM (Type II Medium)

Product Description

Luminaire housing is all aluminum construction. All components are mercury free and recyclable. Sharp profile for low wind exposure. Tooless 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: LXDTM7102EGSVI5

L	X	D	TM	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	**TM** Type II Medium	**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 **D# Power Line Communication System (PLC)** - Power line control system with dimmable driver **G# Bi-Level Control** - Two distinct power levels, High/Low **D Dimmable Driver** - Dimmable driver 1-10V with external controller **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 **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: 14 March 2014

www.cree-europe.com Ph. +39 055 343081 Fax +39 055 34308200

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 Listed
- ENEC Listed only for class II
- Enclosure rated IP66 per IEC 60529
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2, for Class I 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

Photometry

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

cd/klm

C0 - C180 C90 - C270 C15 - C195

lux

Test Report #: CESTL-2013-0025

LXDTM704E43
Mounting Height: 6m
Initial Delivered Lumens: 7137

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

Effective Flux (lm) - TM (Type II Medium) Distribution

LED Count (x10)	5700K Delivered Lumens	4000K Delivered Lumens	System Watts 220–240V	Total Current (A) 230V	50K Hours Projected Lumen Maintenance Factor @ 15˚C (59˚F)	L_{70} Life* (hours)
350mA @ 25˚C (77˚F)						
02	2016	1955	25	0.13	94%	>150000
03	3023	2933	35	0.17		
04	4031	3911	46	0.21		
05	5039	4889	56	0.27		
06	6047	5866	66	0.31		
08	8063	7822	89	0.42		
09	9070	8800	99	0.46		
10	10078	9777	108	0.52		
11	11086	10755	117	0.58		
12	12094	11733	126	0.62		
525mA @ 25˚C (77˚F)						
02	2903	2816	37	0.17	93%	149000
03	4354	4224	52	0.24		
04	5805	5632	70	0.30		
05	7256	7040	86	0.39		
06	8708	8448	99	0.45		
08	11610	11263	141	0.59		
09	13061	12671	157	0.65		
10	14513	14079	172	0.74		
11	15964	15487	187	0.83		
12	17415	16895	203	0.89		
700mA @ 25˚C (77˚F)						
02	3679	3569	49	0.23	91%	129000
03	5518	5353	70	0.32		
04	7357	7137	91	0.40		
05	9196	8922	112	0.52		
06	11036	10706	132	0.60		
08	14714	14275	183	0.79		
09	16553	16059	203	0.86		
10	18393	17844	224	1.02		
11	20232	19628	243	1.12		
12	22071	21412	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

© 2014 Cree, Inc. and/or one of its subsidiaries. All rights reserved. For informational purposes only. Content subject to change. See www.cree.com/patents for patents that cover these products. Cree®, the Cree logo, BetaLED®, NanoOptic®, and Colorfast DeltaGuard® are registered trademarks, and the BetaLED Technology logo, Precision Delivery Grid™ and LEDway® are trademarks of Cree, Inc. or one of its subsidiaries.

www.cree-europe.com Ph. +39 055 343081 Fax +39 055 34308200