

304 Series™

Parking Structure Luminaire – Mounting O – TS (Type II Short)

Product Description

Cree 304 Series is a highly versatile fixture which adapts to a wide range of applications: from gas station forecourt canopies, to industrial installations and tunnel lighting. The mounting system allows for extremely rapid and simple ceiling installation. Luminaire is constructed from rugged die cast and extruded aluminum components. LED driver is mounted in a sealed weathertight center chamber that allows for access from below the luminaire.

High performance aluminum heat sinks specifically designed for LED parking structure application. Mounting brackets designed to mount directly over existing flat ceilings for direct mount.

Performance Summary

Utilizes BetaLED® Technology

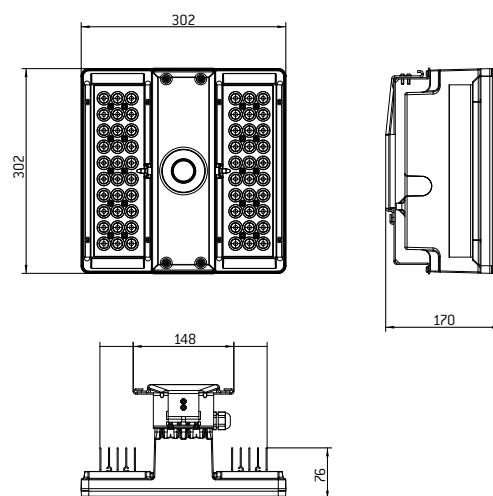
Patented NanoOptic® Product Technology

CRI: Minimum 70 CRI

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

Limited Warranty†:

10 years on luminaire / 10 years on Colorfast DeltaGuard® finish



Ordering Information

Example: 30XTS004E43DWHI5

| 30 | X | TS | O | 04 | E | 43 | WH | I5 |
|---------|------------------|---------------------|------------------------------------|----------------|-----|--|---|--|
| Product | Insulation Class | Optic | Mounting | LED count x 10 | GEN | Options | Color Options | Drive Current |
| 30 | x Class 1 | TS Type II Short | O Fixed ceiling mounting system | 04 06 | E | no code 5700K 43 4000K Color Temperature - Color temperature per luminaire D 1-10V Dimming - Control by others - Refer to dimming spec sheet for availability and additional information - Can't exceed specified drive current K# Light Control with Occupancy Sensor - Flux dimming control with occupancy sensor E Light Control with Occupancy Sensor with remote control - Flux dimming control with occupancy sensor with remote control N# Reprogrammable Virtual Midnight - Reprogrammable 2 levels option with virtual midnight | WH White (Standard) SV Silver BK Black BZ Bronze SB Silver Bronze | no code 700mA I5 525 mA I3 350 mA |

† See www.cree-europe.com for warranty terms



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www.cree-europe.com

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Product Specifications

CONSTRUCTION & MATERIALS

- Constructed from rugged die cast and extruded aluminum components
- LED driver is mounted in a sealed weathertight center chamber that allows for access from below the luminaire
- High performance heat sinks specifically designed for LED parking structure application
- Mounting bracket is designed to mount directly over existing flat ceilings for direct mount
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Available colours are White, Silver, Silver Bronze, Bronze and Black

ELECTRICAL SYSTEM

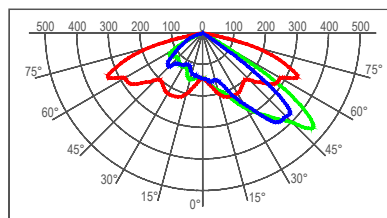
- Input Voltage:** 220-240V, 50/60Hz
- Power Factor:** > 0.9 at full load
- Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C / D breaker should be used

REGULATORY & VOLUNTARY QUALIFICATIONS

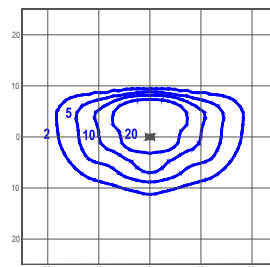
- CE / ENEC Listed
- Enclosure rated IP66 per IEC 60529
- 10kV surge suppression protection tested in accordance with IEEE /ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- RoHS Compliant

Photometry

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



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



lux

Test Report #: CESTL-2013-0072

30XTS004E43
 Mounting Height: 6m
 Initial Delivered Lumens: 8058

IES Files

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

Weight

| LED Count (x10) | Weight |
|-----------------|--------|
| 04 | 8 Kg |
| 06 | |

Lumen Output, Electrical, and Lumen Maintenance Data

| 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) | | | | | 94% | >150000 |
| 04 | 4551 | 4425 | 46 | 0.21 | | |
| 06 | 6827 | 6623 | 66 | 0.31 | | |
| 525mA @ 25° C (77° F) | | | | | 93% | 149000 |
| 04 | 6554 | 6358 | 70 | 0.30 | | |
| 06 | 9831 | 9537 | 99 | 0.45 | | |
| 700mA @ 25° C (77° F) | | | | | 91% | 129000 |
| 04 | 8306 | 8058 | 91 | 0.40 | | |
| 06 | 12459 | 12087 | 132 | 0.60 | | |

* Based on fixture operating at 25° C