

# 304 Series™

Canopy Luminaire – Mounting R - Recessed Mount for canopy - AC (Type IV Medium)

## Product Description

The Cree 304 Series version with recessed mounting system is a fixture designed to optimize the use of LED technology for lighting petrol station forecourt canopies. 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 heatsinks specifically designed for LED canopy application. Luminaire mounts directly to the canopy deck and is secured in place with diecast aluminum trim frame. Luminaire housing is provided with factory applied foam gasket and provides for a watertight seal between luminaire housing and canopy deck. In general, the 304 Series is the ideal solution for recessed mounting in metal suspended ceilings with a maximum thickness of 1 mm. A retrofit kit is available for 1 to 38 mm thickness and for any kind of ceiling.

## Performance Summary

Utilizes BetaLED® Technology

Patented NanoOptic® Product Technology

**CRI:** Minimum 70 CRI

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

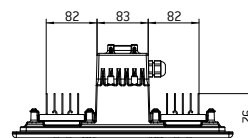
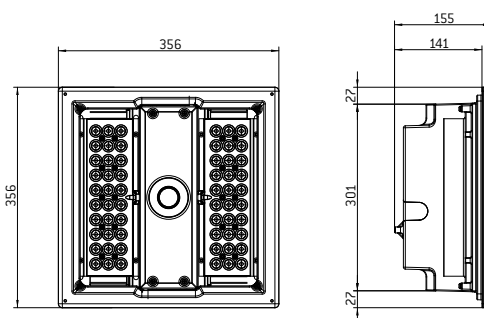
**Limited Warranty†:**

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

## Accessories

### Field Installed Accessories

**RTF-RCS-A1-304##**  
- Retrofit kit



## Ordering Information

Example: 30XACR04E43DWHI5

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

† See [www.cree-europe.com](http://www.cree-europe.com) for warranty terms



Rev. Date: 11 April 2014



## Canopy Luminaire – Mounting R - Recessed Mount for canopy - AC (Type IV Medium)

### Product Specifications

#### CONSTRUCTION & MATERIALS

- 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
- High performance heat sinks specifically designed for LED canopy application
- Luminaire mounts directly to the canopy deck and is secured in place with die-cast aluminum trim frame
- Luminaire housing is provided with factory applied foam gasket and provides for a watertight seal between luminaire housing and canopy deck
- Suitable for use in single and double skin canopies
- Designed for canopies of maximum 1mm thickness
- 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

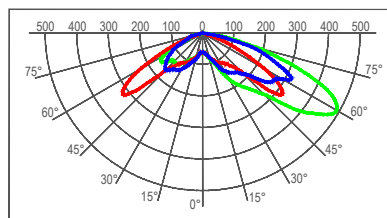
- Input Voltage:** 220-240V, 50/60Hz
- Power Factor:** > 0.9 at full load
- Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C / D breaker should be used

#### REGULATORY & VOLUNTARY QUALIFICATIONS

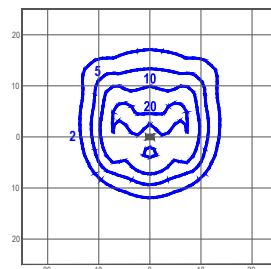
- CE / ENEC Listed
- Enclosure rated IP66 per IEC 60529
- 10kV surge suppression protection tested in accordance with IEEE /ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- RoHS Compliant

### Photometry

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



cd/klm  
 — C0 - C180 — C90 - C270 — C45 - C225



lux

Test Report #: CESTL-2013-0028

30XACR04E43  
 Mounting Height: 6m  
 Initial Delivered Lumens: 7358

#### IES Files

To obtain an IES file specific to your project, please consult [www.cree-europe.com](http://www.cree-europe.com)

### Weight

| LED Count (x10) | Weight  |
|-----------------|---------|
| 04              | 7,40 Kg |
| 06              |         |

### Lumen Output, Electrical, and Lumen Maintenance Data

| Effective Flux (lm) - AC (Type IV Medium) Distribution |                  |                  |                       |                   |                                                              |                               |
|--------------------------------------------------------|------------------|------------------|-----------------------|-------------------|--------------------------------------------------------------|-------------------------------|
| LED Count (x10)                                        | 5700K            | 4000K            | System Watts 220-240V | Total Current (A) | 50K Hours Projected Lumen Maintenance Factor @ 15° C (59° F) | L <sub>70</sub> Life* (hours) |
|                                                        | Delivered Lumens | Delivered Lumens |                       | 230V              |                                                              |                               |
| 350mA @ 25° C (77° F)                                  |                  |                  |                       |                   | 94%                                                          | >150000                       |
| 04                                                     | 4156             | 4032             | 46                    | 0.21              |                                                              |                               |
| 06                                                     | 6233             | 6047             | 66                    | 0.31              |                                                              |                               |
| 525mA @ 25° C (77° F)                                  |                  |                  |                       |                   | 93%                                                          | 149000                        |
| 04                                                     | 5984             | 5805             | 70                    | 0.30              |                                                              |                               |
| 06                                                     | 8976             | 8708             | 99                    | 0.45              |                                                              |                               |
| 700mA @ 25° C (77° F)                                  |                  |                  |                       |                   | 91%                                                          | 129000                        |
| 04                                                     | 7584             | 7358             | 91                    | 0.40              |                                                              |                               |
| 06                                                     | 11376            | 11036            | 132                   | 0.60              |                                                              |                               |

\* Based on fixture operating at 25° C