

**PHILIPS**

RoadFlair Pro

Street lighting

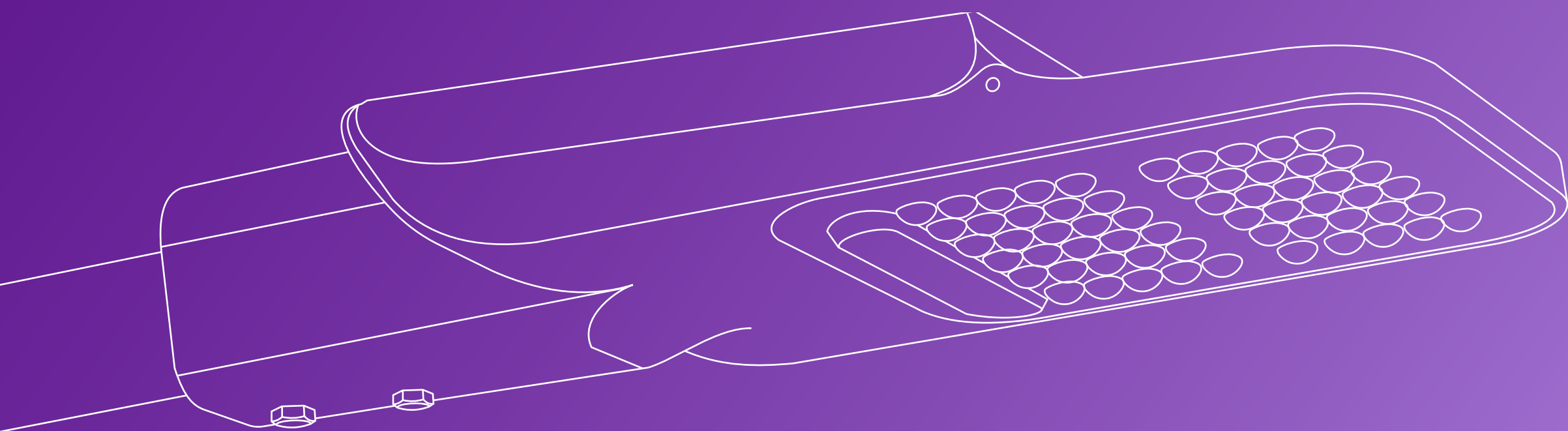
# RoadFlair Pro

Streamlined lights  
for brighter streets

[lighting.philips.com/roadflair-pro](https://lighting.philips.com/roadflair-pro)



# Contents





# Meet RoadFlair Pro

Municipalities value energy savings more than ever, as energy price hikes put increasing pressure on budgets. Street lighting consumes substantial energy, so large-scale upgrades to energy-efficient LED street lights are essential to cities' cost-saving efforts.

RoadFlair Pro has been upgraded to minimize costs while maximizing efficacy, safety, and functionality. And the best part — RoadFlair Pro offers streamlined design, so it maintains an attractive aesthetic on city streets.

These street lights not only look good, they also offer excellent performance. Future-proof technology combines with high efficacy, innovative design, and smart connectivity in a light that makes your streets look brighter and better.





# Product highlights





# Appealing and sustainable design

- Inspired by streamlined automobile design
- 3D ventilation and cleaning system
- Sustainable design with zero negative environmental impact (during production and product lifetime)

## High efficacy

- 160 lm/W (4000 K CCT up to 300 W)
- 195 - 200 lm/W (4000 K CCT up to 100 W)
- Increased energy efficiency reduces carbon footprint







## World-class photometric design

- Optimized efficiency and light pattern control
- 20% higher light utility\*
- Unique glare ring design
- Durable outdoor lens material for consistent photometric performance

*\*compared to next best performing competitor*

## Connected and system-ready

- NEMA 7-pin socket on top
- SR socket on bottom
- Zhaga-D4i compliant
- Smart and system-ready for energy savings and asset management







# Higher durability and reliability

- Product prioritizes safety and quality
- One-piece spigot design for optimal strength
- Efficient, tool-free gearbox opening and SPD maintenance
- Meets strict 3G vibration test standards
- Wind force test to pass category 5 typhoon
- Sulfuration test on all materials secures LED light quality throughout product lifetime
- Components selection and size of the luminaire is optimized around the Sustainable Product Design concept.





# Product range

## Standard configuration options



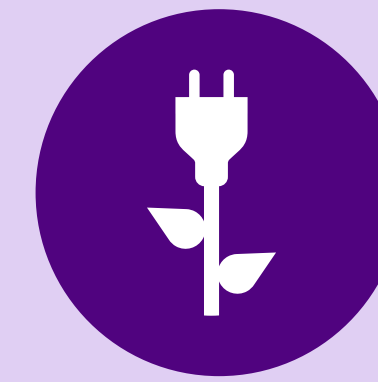
## System-ready configuration options





# The street lights your city needs

## Key benefits for your city



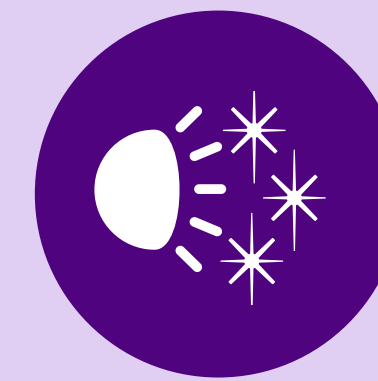
### Optimal energy savings

High efficacy for energy savings and sustainability



### Easy to service and maintain

Easy access to SPD, driver, and gear compartment. Hassle-free installation



### World-class photometric

Optimized efficiency and light pattern control



### Reliable

Quality components combined with durable design



### Future-proof and connected

Interact Ready. Can be paired with IoT systems and lighting applications



# Application areas



Lighting for  
residential and  
connecting roads



Lighting for  
urban roads and  
parking lots



Uniform  
expressway  
lighting



Lighting for  
suburban roads  
and pathways



# Designed for serviceability

## Why Service tag

Service tag features a QR-based identification system that gives you instant access to critical information during unpacking, installation, diagnostics, fault reporting and programming.

Simply scan the tag with a smartphone or tablet running the Philips Service tag app, and you can access information about the contents of the box and troubleshooting details specific to the luminaire. Service tag also allows you to source spare parts and restore factory settings in the field. It's that simple.



### Easy access to relevant information

Improves installation process by providing easy access to product configuration information



### Most effective maintenance

Enables more effective maintenance operations by identifying spare parts



### Digital maintenance

Allows you to pre-program spare parts to factory settings

## Service tag

- Simplifies installation and servicing
- Provides 24/7 access to luminaire and spare parts information
- Allows on-the-spot driver reprogramming



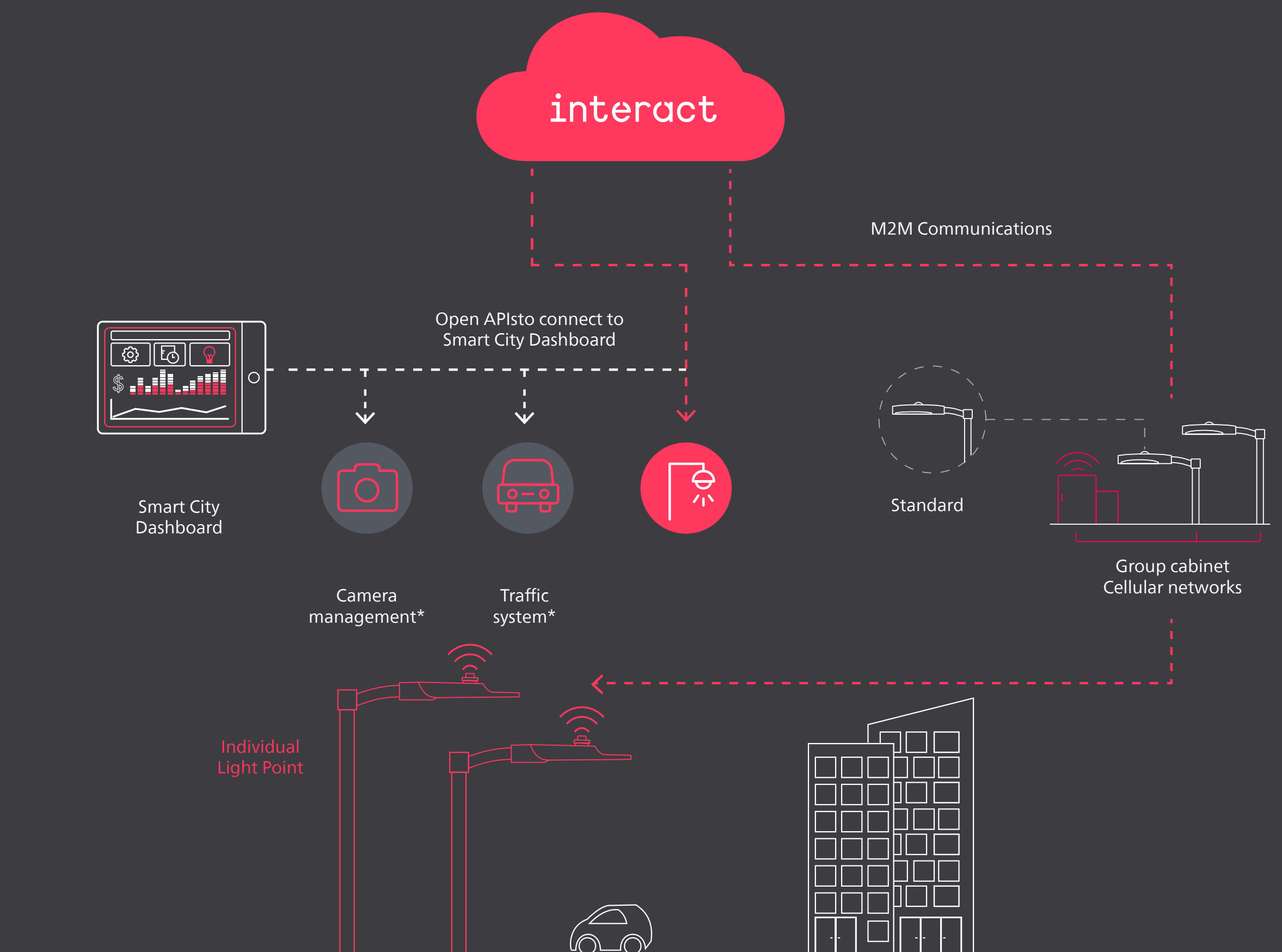




# Connect to Interact

Interact turns your street lighting into a connected network capable of hosting sensors and other IoT-enabled devices. It allows you to tap into a wide range of lighting and non-lighting benefits such as scheduling, presence detection, noise monitoring, and incident detection.

RoadFlair Pro is ready to be connected to Interact. Simply twist the Philips outdoor lighting control node in the Zhaga system-ready socket on top.



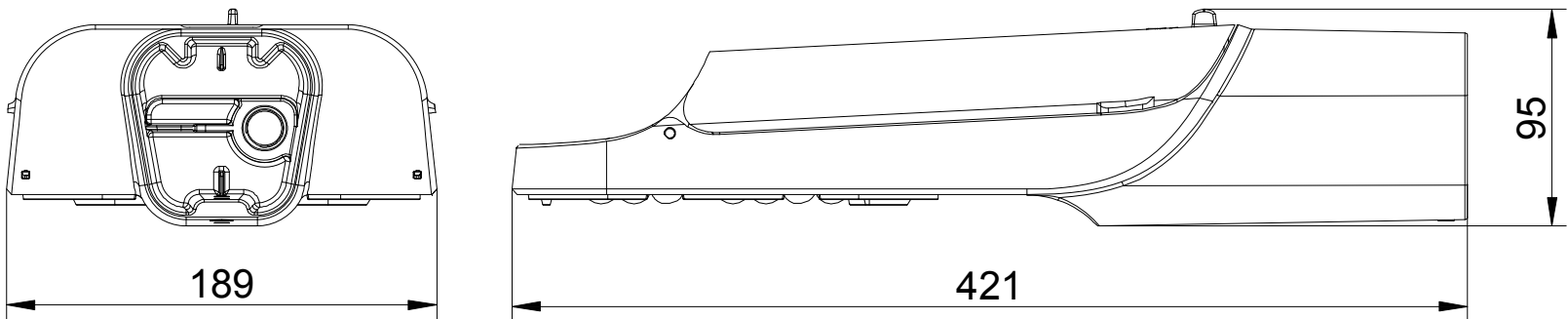
For more information about Interact visit:  
[www.interact-lighting.com/city](http://www.interact-lighting.com/city)



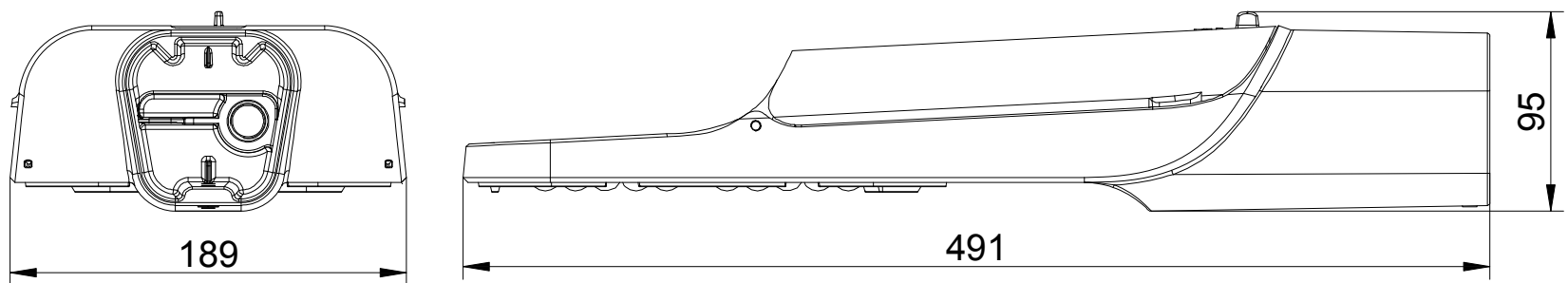
# Dimensional drawings

## Standard

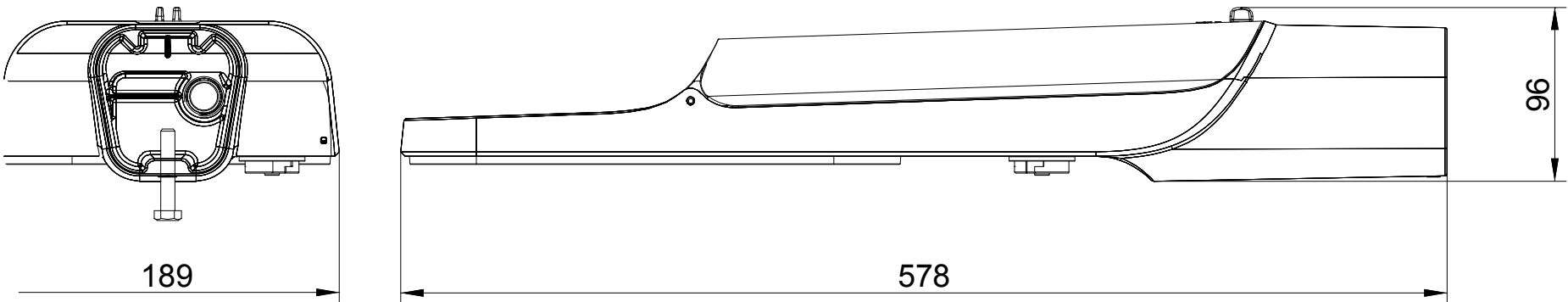
BRP591



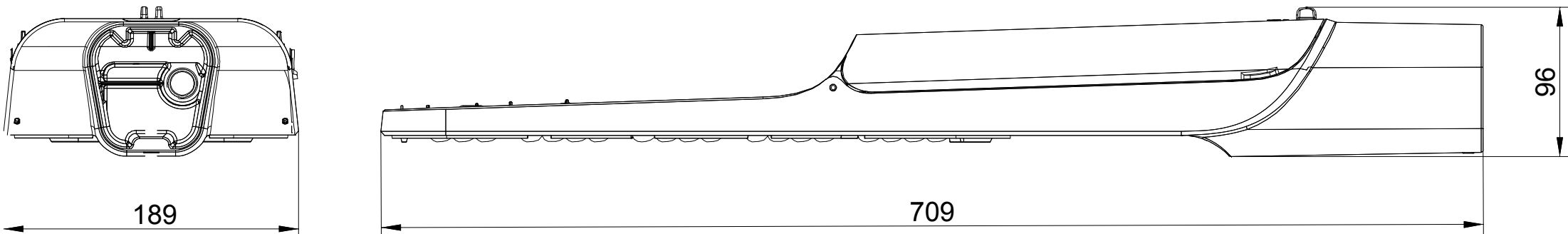
BRP592



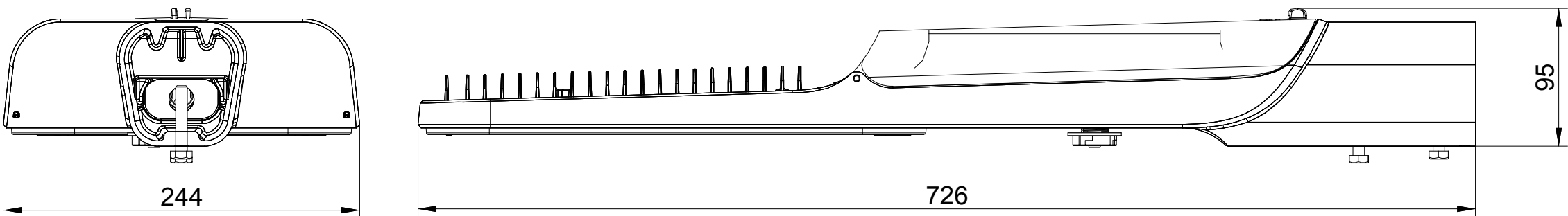
BRP593



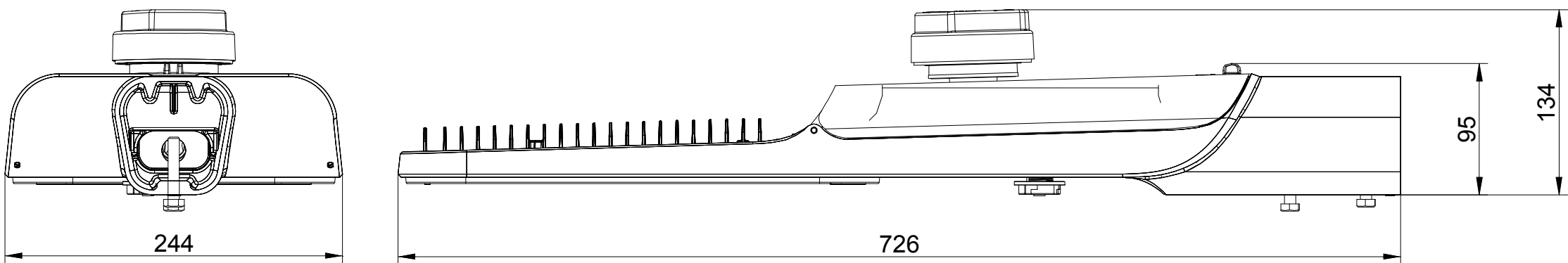
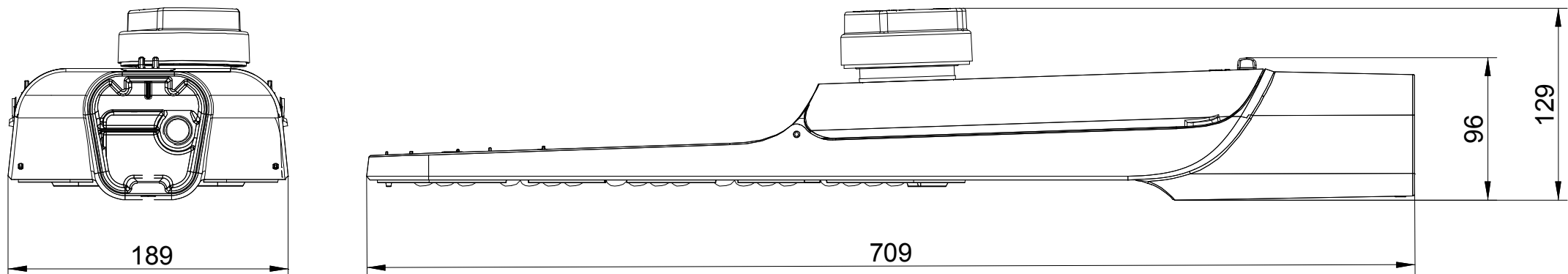
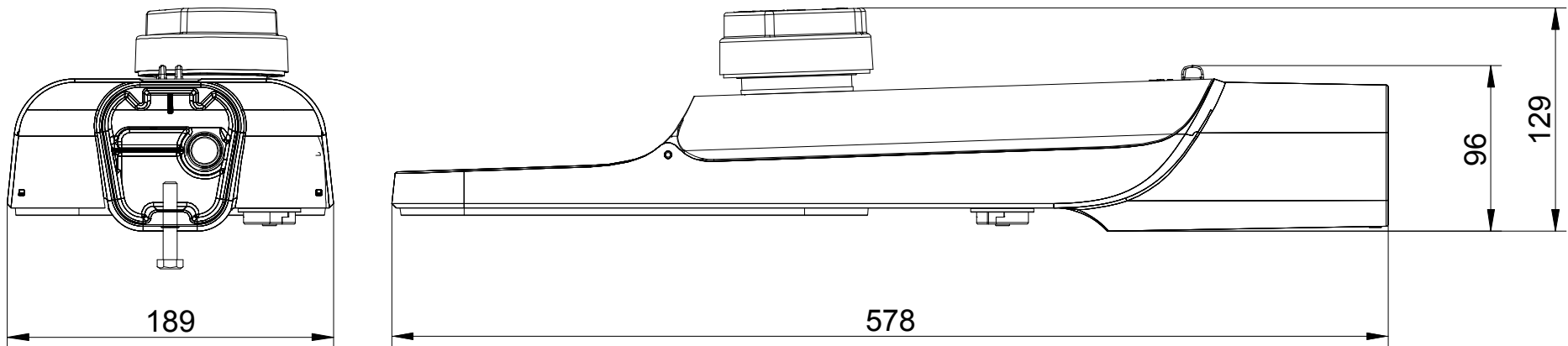
BRP594



BRP595



## System-ready





# Choice sheet

| Specifications |              |                      |      |                     |            |                  |                   |
|----------------|--------------|----------------------|------|---------------------|------------|------------------|-------------------|
| Product family | Product code | Housing              | LED  | CCT                 | Insulation | Lighting control | Interface         |
| RoadFlair Pro  | BRP59X       | Small - BRP591       | 5050 | Neutral White 4000K | Class I    | 1-10V            | NEMA 7-pin socket |
|                |              | Medium - BRP592      |      | Warm White 3000K    | Class II   | StepDim          | SR socket         |
|                |              | Mid-large - BRP593   |      | Cool White 5700K    |            | DALI 2.0         |                   |
|                |              | Large - BRP594       |      | 2700K, CRI 70       |            | DynaDim          |                   |
|                |              | Extra-large - BRP595 |      | 2200K, CRI 70       |            | Coded Mains      |                   |
|                |              |                      |      |                     |            | SR/D4i           |                   |



# Ordering codes



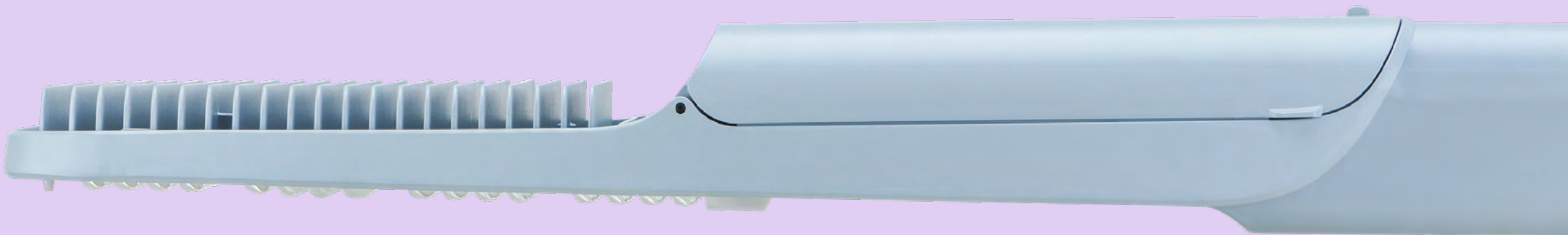
| Code         | Description                            | Flux (lm/w) | Power (W) | Efficacy (lm/W) | Weight (kg) | L*W*H (mm)  |
|--------------|----------------------------------------|-------------|-----------|-----------------|-------------|-------------|
| 911401652208 | BRP591 LED116/NW 70W DM PSA GM         | 11600       | 70        | 160             | ≈3.7        | 423*189*95  |
| 911401652608 | BRP591 LED130/NW 80W DM PSA GM         | 13000       | 80        |                 | ≈3.7        |             |
| 911401654008 | BRP591 LED143/NW 90W DM PSR GM         | 14300       | 90        |                 | ≈3.7        |             |
| 911401654608 | BRP592 LED167/NW 100W DM PSA GM        | 16700       | 100       |                 | ≈3.8        | 493*189*95  |
| 911401655308 | BRP592 LED195/NW 120W DM PSA GM        | 19500       | 120       |                 | ≈3.8        |             |
| 911401655908 | BRP592 LED203/NW 130W DM PSR GM        | 20300       | 130       |                 | ≈3.8        |             |
| 911401656608 | BRP593 LED229/NW 140W DM PSA GM        | 22900       | 140       |                 | ≈3.9        | 578*189*96  |
| 911401658908 | BRP593 LED245/NW 150W DM PSR GM        | 24500       | 150       |                 | ≈3.9        |             |
| 911401659608 | BRP594 LED301/NW 180W DM PSA GM        | 30100       | 180       |                 | ≈4.4        | 709*189*96  |
| 911401660008 | BRP594 LED329/NW 200W DM PSA GM        | 32900       | 200       |                 | ≈4.4        |             |
| 911401660408 | BRP594 LED356/NW 220W DM PSA GM        | 35600       | 220       |                 | ≈4.4        |             |
| 911401661108 | BRP594 LED392/NW 240W DM PSA GM        | 39200       | 240       |                 | ≈4.4        |             |
| 911401661408 | BRP595 LED403/NW 250W DM PSA GM        | 40300       | 250       |                 | ≈6.8        | 726*244*95  |
| 911401662108 | BRP595 LED432/NW 260W DM PSA GM        | 43200       | 260       |                 | ≈6.8        |             |
| 911401662508 | BRP595 LED459/NW 280W DM PSA GM        | 45900       | 280       |                 | ≈6.8        |             |
| 911401664008 | BRP595 LED489/NW 300W DM PSR GM        | 48900       | 300       |                 | ≈6.8        |             |
| 911401658208 | BRP593 LED242/NW 150W DM PSA P7 GM     | 24200       | 150       |                 | ≈3.9        | 578*189*129 |
| 911401661708 | BRP594 LED392/NW 240W DM PSA P7 GM     | 39200       | 240       |                 | ≈4.4        | 709*189*129 |
| 911401663808 | BRP595 LED485/NW 300W DM PSA P7 GM     | 48500       | 300       |                 | ≈6.8        | 726*244*134 |
| 911401658808 | BRP593 LED244/NW 150W DM SR P7T SRB GM | 24400       | 150       |                 | ≈3.9        | 578*189*129 |
| 911401664108 | BRP595 LED489/NW 300W DM SR P7T SRB GM | 48900       | 300       |                 | ≈6.8        | 726*244*134 |
| 911401671508 | BRP595 LED130/NW 65W DW2 PSRD O5       | 13000       | 65        | 200             | ≈6.8        | 726*244*95  |
| 911401672008 | BRP595 LED195/NW 100W DW2 PSRD O5      | 19500       | 100       | 195             | ≈6.8        |             |

Note: Luminous flux tolerance +/- 7%; Power consumption tolerance +/- 10%  
Other flux packages and system ready options available on request



# Specification overview

| RoadFlair Pro BRP59X            |                                                             |
|---------------------------------|-------------------------------------------------------------|
| LED Type                        | 5050                                                        |
| Flux packages (lm)              | up to 48900                                                 |
| System wattage                  | up to 300W                                                  |
| CCT/color                       | 3000K / 4000K                                               |
| Other CCT options               | 5700K / 2200K / 2700K                                       |
| CRI                             | 70 (typ.)                                                   |
| System efficacy (typical@4000K) | 160lm/W / 195-200lm/W (up to 100W)                          |
| Target light distribution       | DM / DM1 / DW2 / DWV / DWP / DWP3                           |
| Surge Protection device (SPD)   | 10kV / 15kV                                                 |
| Protection class IEC            | Safety class I or Safety class II                           |
| Lifetime                        | 100k hrs L80B50 @35C Outdoor                                |
| Operation temperature           | - 40°C < Ta< 50°C                                           |
| IP                              | IP66                                                        |
| IK                              | IK08                                                        |
| Mounting                        | Side entry 42~60mm with optional adjustable spigot          |
| Material                        | Die-casting Aluminum and PC                                 |
| Maintenance                     | Toolless open for Gear Box and toolless maintenance for SPD |
| Control interface               | Analog (1-10V), StepDim, DALI, SR                           |
| System interface                | NEMA 7-pin socket at top / ZD4i SR socket at bottom         |
| Approbation                     | CB / CE / CQC / RCM / ZD4i                                  |







Signify, previously known as Philips Lighting, is the world leader in connected LED lighting systems, software and services. We proudly market the best lighting brands in the world, including Philips and Interact.

## PHILIPS

The Philips brand stands for quality and energy-efficiency in light. For over 125 years, Philips products have been at the forefront of innovation. Today Philips is recognized as the leading brand in lighting.

## interact

Interact is a portfolio of IoT-enabled software suites that manage connected lighting systems and the data that those systems collect. Interact software manages, monitors, and controls lighting systems that include connected luminaires, sensors, and other connected devices from Signify and third-party manufacturers.

### You and Signify – a reliable partnership

Close cooperation before, during and after projects is important to us. Our loyal service teams are committed to ensuring you receive both competent support and any information you require.

We work closely with local wholesalers to offer you flexible and on-time delivery, with product availability you can rely on to help you stay on top. **Plus the Signify Lighting Academy** provides you with a comprehensive range of educational resources for you to grow your expertise and get certified.

[signify.com/specifiers](https://signify.com/specifiers)

### Brighter lives, better world

Signify has been 100% carbon neutral since September 2020.

We recycle up to 90% of our manufacturing waste.

We use 100% renewable electricity.

Our paper packaging for LED lamps and luminaires is saving over 500,000 kilos of plastic waste per year.

Thank you for choosing Philips products, offered by Signify, and joining us on our mission.





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