



# The essential lighting for the streets

## EssentialForce

With a measured efficacy of up to 150 lm/W and good optical performance the EssentialForce family ensures an optimal value for money solution, while complying with local application standards for street lighting.

### Benefits

- Die cast aluminium housing, Grey Munsel N6.5 painting.
- Two colour temperature options available (4000K and 5000K)
- For side entry applications (33–48 mm)
- Standard surge protection: 10kV/12kA.
- CISPR15 compliant dimmable driver.
- High transparency UV resistant polycarbonate (PC) lenses.
- Easy connection to tele management systems such as Interact City, with a standard 7-pin NEMA socket, allowing for remote lighting management.

### Features

- Affordable solution for Road and Street lighting.
- Optimal measured efficacy (of up to 150 lm/W)
- Lightweight and compact for ease of installation
- EssentialForce achieves energy savings of up to 55% versus conventional lighting alternatives, with an additional savings potential when combined with control and tele management systems (Interact City).
- Long Lifetime: 50.000 hours (@L70B50) at 35 °C.

### Application

- Traffic routes: streets and avenues.
- Central areas: parks and plazas, pedestrian crossings, bike paths, parking areas.
- Large open areas: industrial yards, parking lots.

### Warnings and Safety

- Follow the mounting instructions provided by the manufacturer.

# EssentialForce

## Versions



EssentialForce

## Product details



EssentialForce

## Application conditions

Ambient temperature range -5 to +50 °C

## Approval and application

Mech. impact protection code IK08  
 Ingress protection code IP66  
 Surge Protection (Common/Differential) Luminaire surge protection level until 10 kV differential mode and 10 kV common mode

## Controls and dimming

Dimmable Yes

## General information

Luminaire light beam spread -  
 Driver included Yes  
 Lamp family code LED-HP  
 Light source replaceable Yes  
 Number of light sources 1 pc

## Initial performance (IEC compliant)

Init. Color Rendering Index >70

## Light technical

Standard tilt angle side entry -  
 Standard tilt angle posttop -

## Mechanical and housing

Color Gray  
 Overall height 137 mm  
 Overall length 300 mm  
 Overall width 107 mm

## Initial performance (IEC compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux	System Power
919306032931	BRP230 LED30 NW 18W DMLN P7 0-10 SRG12KA	4000 K	3000 lm	18 W
919306032941	BRP230 LED50 NW 31W DMLN P7 0-10 SRG12KA	4000 K	5000 lm	31 W
919306032951	BRP230 LED65 NW 42W DMLN P7 0-10 SRG12KA	4000 K	6500 lm	42 W
919306032961	BRP230 LED78 NW 52W DMLN P7 0-10 SRG12KA	4000 K	7800 lm	52 W
919306032971	BRP230 LED90 NW 65W DMLN P7 0-10 SRG12KA	4000 K	9000 lm	65 W
919306032981	BRP230 LED30 CW 18W DMLN P7 0-10 SRG12KA	5000 K	3000 lm	18 W
919306032991	BRP230 LED50 CW 31W DMLN P7 0-10 SRG12KA	5000 K	5000 lm	31 W
919306033001	BRP230 LED65 CW 42W DMLN P7 0-10 SRG12KA	5000 K	6500 lm	42 W
919306033011	BRP230 LED78 CW 52W DMLN P7 0-10 SRG12KA	5000 K	7800 lm	52 W
919306033021	BRP230 LED90 CW 65W DMLN P7 0-10 SRG12KA	5000 K	9000 lm	65 W

