



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.

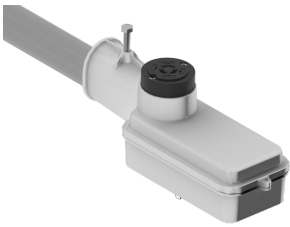
EssentialForce

Versions



EssentialForce

Product details



EssentialForce

General Information

Driver included	Yes
Lamp family code	LED-HP
Light source replaceable	Yes

Light Technical

Luminaire light beam spread	-
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Operating and Electrical

Surge Protection (Common/Differential)	Surge protection level until 10 kV differential mode and 10 kV common mode
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Mechanical and Housing

Mech. impact protection code	IK08
Ingress protection code	IP66
Standard tilt angle posttop	-
Overall length	300 mm
Overall width	107 mm

Approval and Application

Ambient temperature range	-5 to +50 °C
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Light Technical (1/2)

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
919306032931	BRP230 LED30 NW 18W DMLN P7 0-10 SRG12KA	4000 K	>70	167 lm/W	3,000 lm
919306032971	BRP230 LED90 NW 65W DMLN P7 0-10 SRG12KA	4000 K	>70	138 lm/W	9,000 lm
919306035591	BRP230 LED50 NW 31W DMLN P7 0-10 MX	4000 K	70	161 lm/W	5,000 lm
919306035611	BRP230 LED78 NW 52W DMLN P7 0-10 MX	4000 K	70	150 lm/W	7,800 lm
919306035621	BRP230 LED90 NW 65W DMLN P7 0-10 MX	4000 K	70	138 lm/W	9,000 lm
919306035931	BRP230 LED29-2S WW 18W DMLN P7 0-10	3000 K	70	161 lm/W	2,900 lm
919306035941	BRP230 LED30-2S NW 18W DMLN P7 0-10	4000 K	70	167 lm/W	3,000 lm
919306035961	BRP230 LED48-2S WW 31W DMLN P7 0-10	3000 K	70	155 lm/W	4,800 lm
919306035971	BRP230 LED50-2S NW 31W DMLN P7 0-10	4000 K	70	161 lm/W	5,000 lm
919306035991	BRP230 LED62-2S WW 42W DMLN P7 0-10	3000 K	70	148 lm/W	6,200 lm
919306036001	BRP230 LED65-2S NW 42W DMLN P7 0-10	4000 K	70	155 lm/W	6,500 lm

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
919306036021	BRP230 LED75-2S WW 52W DMLN P7 0-10	3000 K	70	144 lm/W	7,500 lm
919306036031	BRP230 LED78-2S NW 52W DMLN P7 0-10	4000 K	70	150 lm/W	7,800 lm
919306036051	BRP230 LED86-2S WW 65W DMLN P7 0-10	3000 K	70	132 lm/W	8,600 lm
919306036061	BRP230 LED90-2S NW 65W DMLN P7 0-10	4000 K	70	138 lm/W	9,000 lm

Light Technical (2/2)

Order Code	Full Product Name	Number of light sources
919306032931	BRP230 LED30 NW 18W DMLN P7 0-10 SRG12KA	1
919306032971	BRP230 LED90 NW 65W DMLN P7 0-10 SRG12KA	1
919306035591	BRP230 LED50 NW 31W DMLN P7 0-10 MX	-
919306035611	BRP230 LED78 NW 52W DMLN P7 0-10 MX	-
919306035621	BRP230 LED90 NW 65W DMLN P7 0-10 MX	-
919306035931	BRP230 LED29-2S WW 18W DMLN P7 0-10	-
919306035941	BRP230 LED30-2S NW 18W DMLN P7 0-10	-
919306035961	BRP230 LED48-2S WW 31W DMLN P7 0-10	-

Order Code	Full Product Name	Number of light sources
919306035971	BRP230 LED50-2S NW 31W DMLN P7 0-10	-
919306035991	BRP230 LED62-2S WW 42W DMLN P7 0-10	-
919306036001	BRP230 LED65-2S NW 42W DMLN P7 0-10	-
919306036021	BRP230 LED75-2S WW 52W DMLN P7 0-10	-
919306036031	BRP230 LED78-2S NW 52W DMLN P7 0-10	-
919306036051	BRP230 LED86-2S WW 65W DMLN P7 0-10	-
919306036061	BRP230 LED90-2S NW 65W DMLN P7 0-10	-

Operating and Electrical

Order Code	Full Product Name	Power Consumption
919306032931	BRP230 LED30 NW 18W DMLN P7 0-10 SRG12KA	18 W
919306032971	BRP230 LED90 NW 65W DMLN P7 0-10 SRG12KA	65 W
919306035591	BRP230 LED50 NW 31W DMLN P7 0-10 MX	31 W
919306035611	BRP230 LED78 NW 52W DMLN P7 0-10 MX	52 W
919306035621	BRP230 LED90 NW 65W DMLN P7 0-10 MX	65 W
919306035931	BRP230 LED29-2S WW 18W DMLN P7 0-10	18 W
919306035941	BRP230 LED30-2S NW 18W DMLN P7 0-10	18 W

Order Code	Full Product Name	Power Consumption
919306035961	BRP230 LED48-2S WW 31W DMLN P7 0-10	31 W
919306035971	BRP230 LED50-2S NW 31W DMLN P7 0-10	31 W
919306035991	BRP230 LED62-2S WW 42W DMLN P7 0-10	42 W
919306036001	BRP230 LED65-2S NW 42W DMLN P7 0-10	42 W
919306036021	BRP230 LED75-2S WW 52W DMLN P7 0-10	52 W
919306036031	BRP230 LED78-2S NW 52W DMLN P7 0-10	52 W
919306036051	BRP230 LED86-2S WW 65W DMLN P7 0-10	65 W
919306036061	BRP230 LED90-2S NW 65W DMLN P7 0-10	65 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
919306032931	BRP230 LED30 NW 18W DMLN P7 0-10 SRG12KA	Yes
919306032971	BRP230 LED90 NW 65W DMLN P7 0-10 SRG12KA	Yes
919306035591	BRP230 LED50 NW 31W DMLN P7 0-10 MX	0-10V
919306035611	BRP230 LED78 NW 52W DMLN P7 0-10 MX	0-10V
919306035621	BRP230 LED90 NW 65W DMLN P7 0-10 MX	0-10V
919306035931	BRP230 LED29-2S WW 18W DMLN P7 0-10	0-10V
919306035941	BRP230 LED30-2S NW 18W DMLN P7 0-10	0-10V
919306035961	BRP230 LED48-2S WW 31W DMLN P7 0-10	0-10V

Order Code	Full Product Name	Dimmable
919306035971	BRP230 LED50-2S NW 31W DMLN P7 0-10	0-10V
919306035991	BRP230 LED62-2S WW 42W DMLN P7 0-10	0-10V
919306036001	BRP230 LED65-2S NW 42W DMLN P7 0-10	0-10V
919306036021	BRP230 LED75-2S WW 52W DMLN P7 0-10	0-10V
919306036031	BRP230 LED78-2S NW 52W DMLN P7 0-10	0-10V
919306036051	BRP230 LED86-2S WW 65W DMLN P7 0-10	0-10V
919306036061	BRP230 LED90-2S NW 65W DMLN P7 0-10	0-10V

Mechanical and Housing

Order Code	Full Product Name	Housing Color	Standard tilt	
			angle side entry	Overall height
919306032931	BRP230 LED30 NW 18W DMLN P7 0-10 SRG12KA	Gray	-	137 mm
919306032971	BRP230 LED90 NW 65W DMLN P7 0-10 SRG12KA	Gray	-	137 mm
919306035591	BRP230 LED50 NW 31W DMLN P7 0-10 MX	Grey	0°	130 mm
919306035611	BRP230 LED78 NW 52W DMLN P7 0-10 MX	Grey	0°	130 mm
919306035621	BRP230 LED90 NW 65W DMLN P7 0-10 MX	Grey	0°	130 mm
919306035931	BRP230 LED29-2S WW 18W DMLN P7 0-10	Grey	0°	130 mm
919306035941	BRP230 LED30-2S NW 18W DMLN P7 0-10	Grey	0°	130 mm
919306035961	BRP230 LED48-2S WW 31W DMLN P7 0-10	Grey	0°	130 mm

Order Code	Full Product Name	Housing Color	Standard tilt	
			angle side entry	Overall height
919306035971	BRP230 LED50-2S NW 31W DMLN P7 0-10	Grey	0°	130 mm
919306035991	BRP230 LED62-2S WW 42W DMLN P7 0-10	Grey	0°	130 mm
919306036001	BRP230 LED65-2S NW 42W DMLN P7 0-10	Grey	0°	130 mm
919306036021	BRP230 LED75-2S WW 52W DMLN P7 0-10	Grey	0°	130 mm
919306036031	BRP230 LED78-2S NW 52W DMLN P7 0-10	Grey	0°	130 mm
919306036051	BRP230 LED86-2S WW 65W DMLN P7 0-10	Grey	0°	130 mm
919306036061	BRP230 LED90-2S NW 65W DMLN P7 0-10	Grey	0°	130 mm

