



Koffer² – economical system

Koffer² LED Mini

Koffer² is an archetypal modern road lighting luminaire which meets the needs of today's road users and operators. Total cost over lifetime was a key consideration in the development of Koffer². The future-proof luminaire delivers outstanding optical performance, enabling optimum spacing and energy efficiency, and is easy to install and maintain. With its rectangular shape, Koffer² offers an alternative to rounded luminaires. It is available in three sizes – for mounting heights from 3.5 to 12 meters – and with dedicated masts and brackets, making it equally suitable for integration into modern urban environments or more traditional lighting designs. The Koffer² family accommodates CosmoPolis white-light technology and LED-enabled versions. Each Koffer² luminaire is fully recyclable; only the light source and driver have to be recycled separately.

Benefits

- Up to 40% improvement in total cost of ownership; payback possible within 5.5 years
- Power control technology saves up to 65% energy
- Easily upgradable for further 60% energy saving

Features

- Warm-white Luxeon Rebel LEDs
- Re-LEDing upgrade possible
- Simplified components platform

Application

- Residential areas
- Pavements and (cycle) paths

Specifications

Koffer² LED Mini

Type	BGP060
Light source	Integral LED-module
Power (+/-10%)	GreenLine (GRN): 20 to 29 W depending on LED configuration EconomyLine (ECO): 29 to 41 W depending on LED configuration
Luminous flux	GreenLine: 1328 to 2527 lm EconomyLine: 1856 to 3483 lm
Luminaire efficacy	Up to 90 lm/W
Light color	Warm white (WW) Neutral white (NW)

Specifications

Optic	Medium street optic (MSO), wide street optic (WSO), narrow street optic (NSO), low pole optic (LPO)
Optical cover	Polycarbonate cover
Options	Dimming: - Lumistep 6, 8 and 10 hours - Constant Light Output (CLO) - Mains dimming - RF antenna - 1-10 V
Materials and finishing	Housing: high-pressure die-cast aluminum, non-corrosive Gasket: silicone rubber, heat-resistant Cover: polycarbonate, frosted with clear lenses Heat sink (internal): high-pressure die-cast aluminum, non-corrosive
Color	Canopy: brilliant grey, approx RAL7043 (GR) Frame and spigot: aluminum, unpainted sandblasted

Versions



Koffer² LED Mini BGP060 road-lighting luminaire

Inrush current	20 A / 170 µs
Maintenance of lumen output - L80F10	GreenLine: 90 000 hours EconomyLine: 65 000 hours
Operating temperature range	-25 to +35 °C
Driver	Built-in (self ballasted LED-module)
Mains voltage	220-240 V / 50-60 Hz

Installation	Flexifit spigot for post-top mounting: axial entry Ø 60 - 76 mm at 10° tilt or side-entry mounting: lateral entry Ø 34 - 48 mm Recommended mounting height: 3.5 to 6 m Standard tilt angle post top: 10° standard Max SCx value by side: 0.044 m²
Maintenance	From below by opening the housing with a single quick-release clip all supported by a retention cable Multiblock for easy cabling and electrical connection Simple LifeLED Hinged front glass with quick-release clips for replacement
Accessories	Dedicated mast and wall brackets available for different mounting possibilities Side-entry reductor from 60 to 48 mm
Main applications	Residential streets, pedestrian and cycle paths

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Product details

Nano-optic matrix in BGP060

