

Hamburg

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- Administration
- Service center & Sale of spare parts
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BIKESTAR®

Schwerin

- Production

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LIGHTSTAR®
ALWAYS A LIGHT SOLUTION

Plant Hamburg

Kiebitzhörn 6-8 · D-22885 Barsbüttel
Phone +49 40 670 71 0 · Fax +49 40 670 71 200

Plant Schwerin

Gartenweg 2 · D-19073 Stralendorf
Phone +49 3869 490 0 · Fax +49 40 670 71 200

Plant Karlsruhe

Lußhardtstraße 4 · D-76689 Karlsdorf-Neuthard
Phone +49 7251 441 03 0 · Fax +49 40 670 71 200

www.jf.eu

info@jf.eu



LIGHTWEIGHT BOX BODY

up to 6,5 t GVW

Application for various transport solutions:

- ▶ furniture, textile and beverage logistics
- ▶ distribution traffic
- ▶ forwarding and courier services
- ▶ car rental companies
- ▶ home delivery



Example for scope of supply:

- ▶ lightweight box body (14 mm PET-sandwich) with double rear doors
- ▶ weight optimized substructure
- ▶ smooth aluminium outer frame
- ▶ mudguards incl. mud flaps
- ▶ floor strength 16 mm
- ▶ floor plinth aluminium
- ▶ rubber ram buffers at the rear
- ▶ translucent GRP roof
- ▶ box body lighting inside
- ▶ rear top marker lights red
- ▶ 3rd brake light (3,5 t only)
- ▶ side underrun protection (5,5 t only)
- ▶ dimensions and weights according to table

GVW	3,5 t	5,5 t	3,5 t	5,5 t
Box body length inside (in mm)	3.570	3.570	4.370	4.470
Box body width inside (in mm)	2.110	2.240	2.110	2.240
Box body height inside (in mm)	2.100	2.250	2.100	2.250
Portal width inside with rear doors/tail lift (in mm)	2.030	2.180	2.030	2.180
Portal height inside with rear doors/tail lift (in mm)	2.040	2.190	2.040	2.190
Lightweight box body with rear top flap *) and incl. standard equipment as listed	390 kg 315 kg**	430 kg 375 kg**	455 kg 365 kg**	505 kg 440 kg**
Lightweight box body with double rear doors and incl. standard equipment as listed	440 kg 365 kg**	480 kg 425 kg**	505 kg 415 kg**	555 kg 490 kg**

all values (dimensions/weights) apply with a permissible tolerance of +/- 5 %

*) plus weight of requested tail lift with approx. 180 kg - 220 kg

**MONOLITE/MONOFLOOR execution

LIGHTSTAR[®]

- ▶ **ecobox** – the aerodynamically optimized design without loss of loading space
- ▶ standard Cd value improvement of up to 40% compared to conventional bodies
- ▶ significant fuel savings and increased range with alternative drives
- ▶ resource-saving use of materials for consistent lightweight construction and CO2 savings
- ▶ state-of-the-art production processes enable chassis-independent body manufacture
- ▶ high quality standards for the contemporary look of a premium product
- ▶ wall panels optionally configurable in 14mm or 25mm
- ▶ rear portal including sealing system for different variants such as rear wall double doors, tail lift with tailgate or rear ramp
- ▶ numerous industry-specific dimensions for a wide variety of transport needs
- ▶ Extensive range of accessories for load securing elements, side doors, assistance systems, etc.
- ▶ Load securing certificate according to DIN EN 12642 Code XL

Equipment Highlights:

- ▶ **MONOLITE**[®] - the light panels for more payload
- ▶ **MONOFLOOR**[®] - the light floor for more payload
- ▶ **EASYOPEN**[®] - side sliding tarpaulin for quick loading and unloading
- ▶ aluminum outer frame either with narrow lashing eye spacing or integrated airline rails for optimal and more flexible load securing
- ▶ LED light strip for uniform illumination of the loading area
- ▶ Tail lifts from well-known manufacturers instead of rear wall double doors
- ▶ 4-sided sealing system in combination with tail lift to avoid splash water entry in the lower area
- ▶ Industry-specific load securing elements for special transport requirements
- ▶ various load securing rails (also recessed) configurable
- ▶ Different intermediate lengths possible on request

THE GOAL: TO DEVELOP THE MOST EFFICIENT BOX BODY ON THE MARKET

THE WAY: CONSUMPTION TRIPS, WIND TUNNEL TESTS AND STATE-OF-THE-ART CFD CALCULATIONS

THE RESULT: LESS RESISTANCE = BIGGER ACCOUNT BALANCE