



# TRIANO XL

## LED High Bay Fitting

### Series 3405...

#### Applications:

Indoor areas with high mounting heights or with a requirement for high illumination levels. E.g. shipyards, hangars, machine-, maintenance- and assembly shops, hardware stores etc..

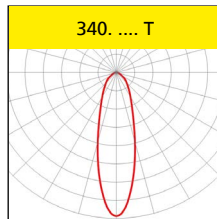
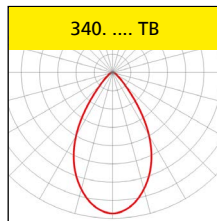
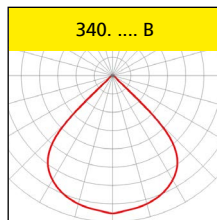
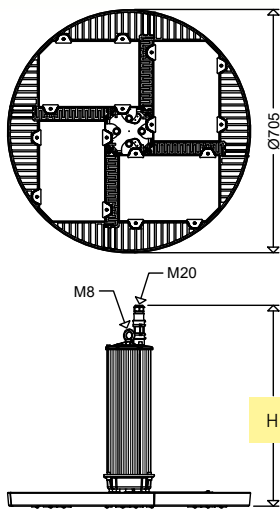
#### Design:

**LED-segments:** Robust four-part extruded aluminium housing with cooling fins, LED-modules and flat safety glasses (IK09)  
All case parts powder coated in DB 702 (mica-iron paint, grey).

**ECG-housing:** Extruded aluminium with cooling fins.

**Light distribution:** With optics wide (B), narrow-wide (TB) or narrow beam (T).

**Connection:** 3-pole (DIMD 5-pole) quick-connector (**FastConnect**). Plug mounted to the housing.  
Socket included  
**Mounting:** 1-point suspension, eyelet included.  
Delivery status:  
2 parts: LED-segments and **ECG**-housing.



#### Technical Data:

**LED module:** 4,000K, CRI > 80, service life  $L_{80} > 100,000h$  at 25°C ambient temperature, service life  $L_{70} > 100,000h$  at max. ambient temperature, Zhaga compliant

**ECG:** 220-240V, 50/60Hz, Surge voltage resistance 4kV, overload and short circuit protection.

#### Light control:

On request, the luminaires are also available with the following configurations:

**Output reduction with control phase (LR):** via 230V control input. Control phase (LST) required. Switching via control phase (LST = 230V: 100%; LST = 0V: 50%). Further dimming levels possible.

**Digital dimming with DALI interface (DIMD)** compatible with LIMAS Line and LIMAS Air Light Management System.

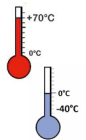
**Constant luminous flux function (CL):** Luminous flux is kept on a constant level over the entire service life of the LED-modules.

**Ambient temperature:** -25°C up to +50°C / +60°C

#### Options:

- 5,000K, light colour 850, e.g. in combination with LED high bay light fittings TRIANO or TRIANO L
- PC cover for application in food industry areas (IFS Food)
- silicone free

- for high ambient temperatures up to +70°C (H70)
- for low ambient temperatures down to -40°C (T40)



Series	H [mm]
3405 ...	510
3405 ... DIMD	590

#### Product highlights:

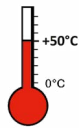
- efficient 1 : 1 - substitute for conventional high bay fittings with 1 x HME 1000W or 2 x HIT 400W
- fast mounting and commissioning due to 1-point suspension and FastConnect quick-connector
- high quality, durable ECG with overload and short circuit protection
- optimized thermal management due to segmentation of the LED modules and direct mounting to the housing. Huge heat sink, excellent heat dissipation, excellent convection
- high expectancy of life > 100.000 hours at maximum admissible ambient temperature
- colour reproduction CRI > 80, according to the workplace guide lines suitable for nearly all plant locations
- $\nabla$ -symbol, suitable for rooms with increased fire risk
- uniform illumination due to the „Multi-Layer Technology“ i.e. every individual LED illuminates the whole surface, the light curves of the individual LEDs are overlapping.
- sustainable, control gear and LED-module replaceable by qualified personnel on-site
- future proof by using standardized LED-modules (Zhaga)

**!** Properties, limitations and details for controlling LED-light fittings:  
See "Technical Supplement"

All data are correct at the time of printing. Actual technical data can be found under [www.schuch.de](http://www.schuch.de).

Article no.	Type	Dimmable	Wide beam	Narrow wide beam	Narrow beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
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## 3405...



34050 0050	<b>3405 L340B</b>	•				60	19,8
34050 0056	<b>3405 L340TB</b>		•			60	19,8
34050 0053	<b>3405 L340T</b>			•		60	19,8
34050 0200	<b>3405 L340B DIMD</b>	•	•			60	20,4
34050 0206	<b>3405 L340TB DIMD</b>	•		•		60	20,4
34050 0203	<b>3405 L340T DIMD</b>	•			•	60	20,4

200	32.000	160	HIT 400
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34050 0051	<b>3405 L470B</b>		•			60	19,8
34050 0057	<b>3405 L470TB</b>			•		60	19,8
34050 0054	<b>3405 L470T</b>				•	60	19,8
34050 0201	<b>3405 L470B DIMD</b>	•	•			60	20,4
34050 0207	<b>3405 L470TB DIMD</b>	•		•		60	20,4
34050 0204	<b>3405 L470T DIMD</b>	•			•	60	20,4

285	45.000	158	HIT 400, HME 700
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34050 0052	<b>3405 L630B</b>		•			50	19,8
34050 0058	<b>3405 L630TB</b>			•		50	19,8
34050 0055	<b>3405 L630T</b>				•	50	19,8
34050 0202	<b>3405 L630B DIMD</b>	•	•			50	20,4
34050 0208	<b>3405 L630TB DIMD</b>	•		•		50	20,4
34050 0205	<b>3405 L630T DIMD</b>	•			•	50	20,4

405	60.000	148	2 x HIT 400, HME 1000
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\* The given information is for rough orientation only. In each individual case a lighting calculation is necessary. (VG = ballast)



LIMAS Air FM



LIMAS Air FM MK



## LIMAS Air - Smart lighting control

### Applications:

Areas where luminaires are to be intelligently controlled to lower operating costs and reduce CO<sub>2</sub> emissions.

### Design:

CASAMBI® radio module with FastConnect quick-connector for easy plugging onto DIMD luminaires.

Explanations of the Light Management System LIMAS Air and the system components (sensors, switches, push-buttons, etc.) can be found at the beginning of the chapter „High Bay Fittings“.

Article No.	Type	
90547 9001	<b>LIMAS Air FM</b>	CASAMBI® radio module with FastConnect quick-connector for controlling DIMD luminaires
90547 9002	<b>LIMAS Air FM MK</b>	CASAMBI® radio module with FastConnect quick-connector and 1m cable

Explanations of the Light Management System LIMAS Air and the system components (sensors, switches, push-buttons, etc.) can be found at the beginning of the chapter „High Bay Fittings“.



## Accessories / Spare Parts

Article no.	Type	
34011 9011	<b>ABD 3405</b>	cover, clear safety glass pane, for 3405...,