



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)

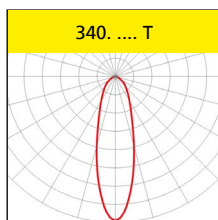
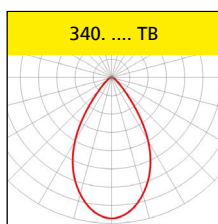
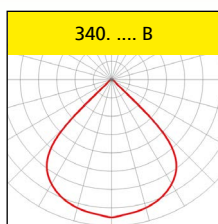
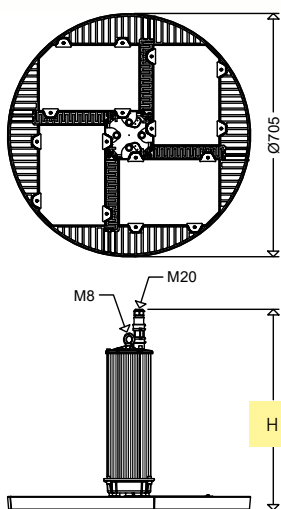
quick-connector (**FastConnect**). Plug mounted to the housing.

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 $L_{80} > 100,000$ h at 25°C ambient temperature, service life $L_{70} > 100,000$ h 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.

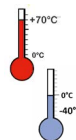
Ambient temperature: -25°C up to +50°C / +60°C

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
- -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)

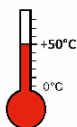
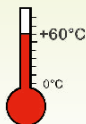
Properties, limitations and details for controlling LED-light fittings:

See "Technical Supplement"

All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

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	3405 L340B	•				60	19,8
34050 0056	3405 L340TB		•			60	19,8
34050 0053	3405 L340T			•		60	19,8
34050 0200	3405 L340B DIMD	•	•			60	20,4
34050 0206	3405 L340TB DIMD	•		•		60	20,4
34050 0203	3405 L340T DIMD	•			•	60	20,4

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

285	45.000	158	HIT 400, HME 700
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34050 0052	3405 L630B	•				50	19,8
34050 0058	3405 L630TB		•			50	19,8
34050 0055	3405 L630T			•		50	19,8
34050 0202	3405 L630B DIMD	•	•			50	20,4
34050 0208	3405 L630TB DIMD	•		•		50	20,4
34050 0205	3405 L630T DIMD	•			•	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 CO₂ 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	LIMAS Air FM	CASAMBI® radio module with FastConnect quick-connector for controlling DIMD luminaires
90547 9002	LIMAS Air FM MK	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	ABD 3405	cover, clear safety glass pane, for 3405...