



TRIANO L

LED High Bay Fitting

Series 3403...

Applications:

Production areas and warehouses, maintenance and assembly shops, cool storage facilities, walkways in rack areas, hardware stores etc.

Design:

LED-segments: Robust four-part cast aluminium housing with cooling fins, LED-modules and flat safety glasses (IK09), versions (B, TB or T) with PC cover with integrated optics.

ECG-housing: Extruded aluminium with cooling fins. All case parts powder coated in DB 702 (mica-iron paint, grey).

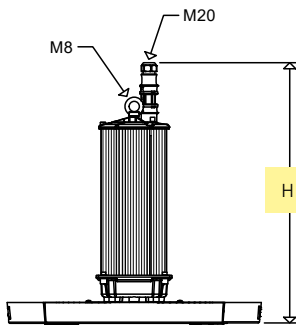
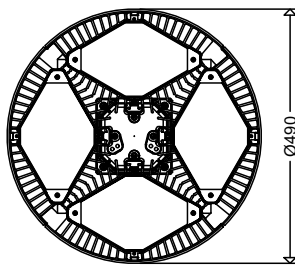
Light distribution: Without optics wide beam, with optics wide (B) narrow-wide (TB) or narrow-beam (T).

Connection: Preinstalled 3-pole (DIMD 5-pole) quick-connector (FastConnect), plug mounted to the housing, socket included.

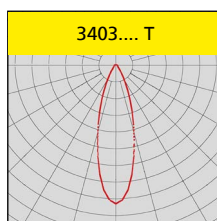
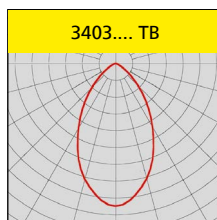
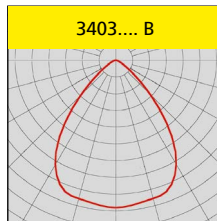
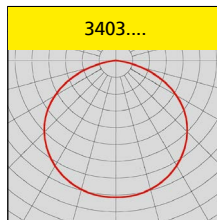
Mounting: 1-point suspension, eyelet included.

Delivery status:

2 parts: LED-segments and ECG-housing



Series	H [mm]
3403 ...	510
3403 L260.. DIMD	590
3403 L380.. DIMD	590



Technical Data:

LED module: 5,000K or 4,000K, CRI > 80, service life L_{80} > 100,000h at 25°C ambient temperature, service life L_{80} > 80,000h at max. ambient temperature

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 see article tables

Options:

- for connection to group or central battery systems (ZB) or emergency mains respectively
- PC cover for application in food industry areas (IFS Food)

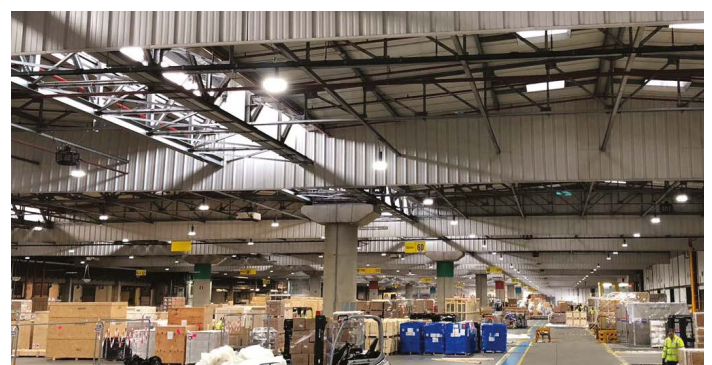
- silicone free

- for high ambient temperatures to +70°C (H70)



Product highlights:

- fast mounting and commissioning due to 1-point suspension and FastConnect quick-connector
- high quality 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 system service life of up to 100,000h (25°C), >70,000h at maximum ambient temperature
- colour reproduction $R_a > 80$, 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



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.

The versions with optics (B, TB and T) are suitable for use in food areas (IFS/HACCP).

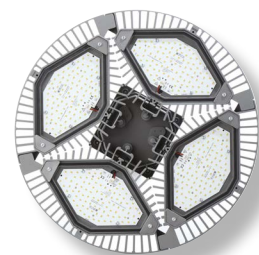
Article no.	Type	dimmmable	Wide beam	Narrow wide beam	Narrow beam	Tmax [°C]	Weight [kg] (without packing material)	Connected load [W]	Luminous flux [lm]	Light output [lm/W]	Substitute for *
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3403...

34030 0001	3403 L260		•			60	8,9	166	27.000	163	HIE 400 (HS-VG), HIT 400				
34030 0003	3403 L260B		•			60	8,9								
34030 0004	3403 L260TB			•		60	8,9								
34030 0008	3403 L260T				•	60	8,9								
34030 0200	3403 L260 DIMD	•	•			60	8,9								
34030 0202	3403 L260B DIMD	•	•			60	8,9								
34030 0203	3403 L260TB DIMD	•		•		60	8,9	256	39.500	154	HME 700, HPI 400				
34030 0206	3403 L260T DIMD	•			•	60	8,9								
34030 0002	3403 L380		•			50	8,9								
34030 0005	3403 L380B		•			50	8,9								
34030 0006	3403 L380TB			•		50	8,9								
34030 0009	3403 L380T				•	50	8,9								
34030 0201	3403 L380 DIMD	•	•			50	9,7	256	39.500	154	HME 700, HPI 400				
34030 0204	3403 L380B DIMD	•	•			50	9,7								
34030 0205	3403 L380TB DIMD	•		•		50	9,7								
34030 0207	3403 L380T DIMD	•			•	50	9,7								
34030 0031	3403 L260 840		•			60	8,9					166	27.000	163	HIE 400 (HS-VG), HIT 400
34030 0020	3403 L260B 840		•			60	8,9								
34030 0011	3403 L260TB 840			•		60	8,9								
34030 0022	3403 L260T 840				•	60	8,9								
34030 0209	3403 L260 DIMD 840	•	•			60	8,9								
34030 0215	3403 L260B DIMD 840	•	•			60	8,9								
34030 0216	3403 L260TB DIMD 840	•		•		60	8,9	256	39.500	154	HME 700, HPI 400				
34030 0217	3403 L260T DIMD 840	•			•	60	8,9								
34030 0032	3403 L380 840		•			50	8,9								
34030 0017	3403 L380B 840		•			50	8,9								
34030 0024	3403 L380TB 840			•		50	8,9								
34030 0033	3403 L380T 840				•	50	8,9								
34030 0218	3403 L380 DIMD 840	•	•			50	9,7	256	39.500	154	HME 700, HPI 400				
34030 0208	3403 L380B DIMD 840	•	•			50	9,7								
34030 0219	3403 L380TB DIMD 840	•		•		50	9,7								
34030 0220	3403 L380T DIMD 840	•			•	50	9,7								

* The given information is for rough orientation only. In each individual case a lighting calculation is necessary. (VG = ballast)



Excellent thermal management by unique design!

Each LED-Segment is completely surrounded by a highly efficient cooling fin structure. Such design creates a permanent air flow within the LED-Segments. It cools perfectly and avoids dust deposit that could prevent heat dissipation.

Outcome: Operation in high ambient temperature environment plus long life cycle.



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.

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 9001	ABD 3401	cover, clear safety glass pane (1 segment), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9003	ABD 3401 PRA	cover, clear PMMA disc with outer prisms (1 segment), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9002	ABD 3401 IFS	cover, clear PC IFS disc (1 segment), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9004	ABD 3401 B	cover, clear PC disc, wide beam (1 segment), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9005	ABD 3401 TB	cover, clear PC disc, narrow-beam wide distribution (1 segment), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...
34011 9006	ABD 3401 T	cover, clear PC disc, narrow beam (1 segment), for 3401..., 3402..., 3403..., 3410..., 3420..., 3430...