



TRIANO 2nd Generation

LED High Bay Fitting Series 3401/3402... G2

Applications:

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

Design:

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

ECG-housing 3401...: Cast aluminium

ECG-housing 3402...: 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).

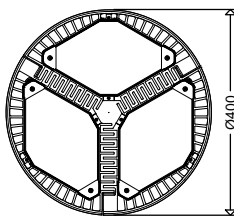
Connection: 3-pole (DIMD 5-pole) quick-connector (**FastConnect**), plug mounted to the housing, socket included.

Mounting: 1-point suspension, eyelet included.

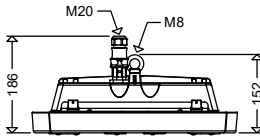
Delivery status:

Series 3402...: 2 parts, LED-segments and ECG-housing.

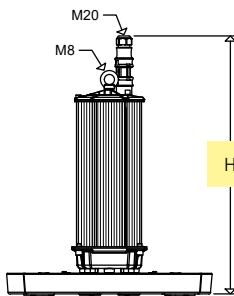
Series 3401...: 1 part



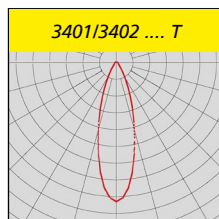
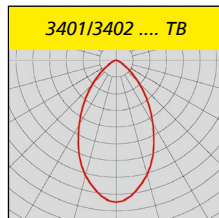
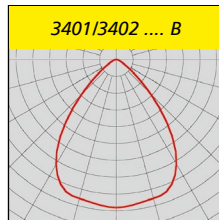
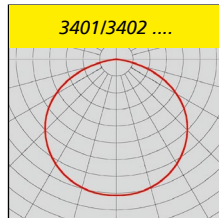
3401 L... G2



3402 L... G2



Series	H [mm]
3402 L180 DIMD	590
3402 L250	510
3402 L250 DIMD	510



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:

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
- ball sports proof version (only Series 3402)



- PC cover for application in food industry areas (IFS Food)
- silicone free
- for high ambient temperatures up 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 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.

High Bay Fittings



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

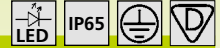
See "Technical Supplement"

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

Versions with PC-Optics are suitable for use in IFS-applications!

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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3401/3402... G2



3401...



34010 0100	3401 L120 G2		•			55	6,3	84	13.500	161	HME250
34010 0102	3401 L120 G2 DIMD	•	•			55	6,3				
34010 0101	3401 L180 G2		•			50	6,3	123	20.000	163	HIT 250, HME 400, HIE400 (HI-VG)
34010 0112	3401 L180B G2		•			50	6,1				
34010 0111	3401 L180TB G2			•		50	6,1				
34010 0122	3401 L180T G2				•	50	6,1				
34010 0401	3402 L180 G2 DIMD	•	•			60	8,2				
34010 0414	3402 L180B G2 DIMD	•	•			60	8,0				
34010 0413	3402 L180TB G2 DIMD	•		•		60	8,0				
34010 0432	3402 L180T G2 DIMD	•			•	60	8,0				

3402...



34010 0400	3402 L250 G2		•			45	8,1	198	29.500	149	HIE400 (HS-VG), HIT400
34010 0416	3402 L250B G2		•			45	7,9				
34010 0415	3402 L250TB G2			•		45	7,9				
34010 0433	3402 L250T G2				•	45	7,9				
34010 0402	3402 L250 G2 DIMD	•	•			45	8,1				
34010 0417	3402 L250B G2 DIMD	•	•			45	7,9				
34010 0412	3402 L250TB G2 DIMD	•		•		45	7,9				
34010 0434	3402 L250T G2 DIMD	•			•	45	7,9				

34010 0144	3401 L120 G2 840		•			55	6,3	84	13.500	161	HME250
34010 0130	3401 L120 G2 DIMD 840	•	•			55	6,3				

34010 0117	3401 L180 G2 840		•			50	6,3	123	20.000	163	HIT 250, HME 400, HIE400 (HI-VG)
34010 0120	3401 L180B G2 840		•			50	6,1				
34010 0121	3401 L180TB G2 840			•		50	6,1				
34010 0145	3401 L180T G2 840				•	50	6,1				
34010 0431	3402 L180 G2 DIMD 840	•	•			60	8,2				
34010 0476	3402 L180B G2 DIMD 840	•	•			60	8,0				
34010 0444	3402 L180TB G2 DIMD 840	•		•		60	8,0				
34010 0477	3402 L180T G2 DIMD 840	•			•	60	8,0				

34010 0428	3402 L250 G2 840		•			45	8,1	198	29.500	149	HIE400 (HS-VG), HIT400
34010 0463	3402 L250B G2 840		•			45	7,9				
34010 0473	3402 L250TB G2 840			•		45	7,9				
34010 0474	3402 L250T G2 840				•	45	7,9				
34010 0452	3402 L250 G2 DIMD 840	•	•			45	8,1				
34010 0478	3402 L250B G2 DIMD 840	•	•			45	7,9				
34010 0479	3402 L250TB G2 DIMD 840	•		•		45	7,9				
34010 0480	3402 L250T G2 DIMD 840	•			•	45	7,9				

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



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.

Photo: 3430 L 300 DIMD with LIMAS Air radio module



LIMAS Air FM



LIMAS Air FM MK



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	3401/010	spare safety glass, for 1 LED-module
34011 9003	3401/011 PRA	PMMA spare cover , prismatic structure for 1 LED-module
34011 9002	3401/010 IFS	PC cover withouts optics for 1 LED-module for versions IFS
34011 9004	3401/012 B	PC spare cover with wide beam optik for 1 LED-module, version B
34011 9005	3401/012 TB	PC spare cover with narrow-wide beam optics for 1 LED-module, version TB
34011 9006	3401/012 T	PC spare cover with narrow beam optics for 1 LED-module, version T