



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 DB702N (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) plug-type 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

Technical Data:

LED module: 5,000K, CRI > 80, lifetime L₈₀ > 100,000h at 25°C ambient temperature, lifetime L₇₀ > 70,000h at max. ambient temperature (see notes).

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

Note: Due to the inrush current of the electronic ballasts, the maximum permissible number of light fittings per circuit breaker is limited.

Ambient temperature: -20°C up to see article tables

Options:

On request also available with the following configurations (please mention in your enquiry or order):

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.

Corridor Mode (DIMC)

DALI interface (DIMD)

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

Further Options:


– 4.000K, light-colour 840

– 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)

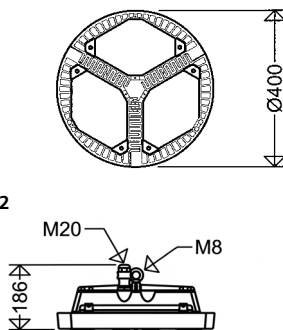
– -sign for locations with increased fire risk (D)

– silicone free

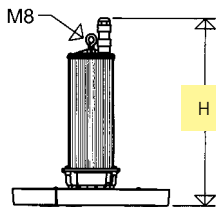
– for high ambient temperatures up to +70°C (H70)



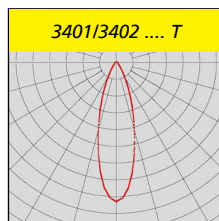
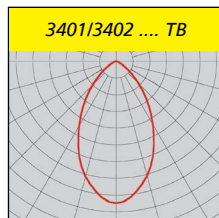
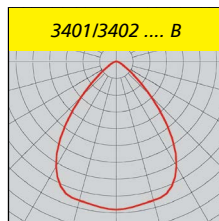
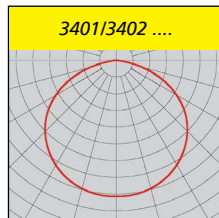
3401 L... G2



3402 L... G2



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



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 lifetime 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
- 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.

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

See "Technical Supplement"

All technical data is relevant at the time of print. Actual technical data can be found in the internet under www.schuch.de.

Article no.	Type	Quantity of ECG	Dimmable	Wide beam	Narrow wide beam	Narrow beam	Tmax [°C]	Energy efficiency class	Weight [kg] (without packing material)	Power consumption [W] **	Luminous flux [lm] **	Light output [lm/W]	Substitute for *
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3401/3402... G2

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



34010 0100	3401 L120 G2	1	•				55	A++	6,3	84	13.500	161	HME250
34010 0102	3401 L120 G2 DIMD	1	•	•			55	A++	6,3				
34010 0101	3401 L180 G2	1	•				50	A++	6,3	123	20.000	163	HIT250 HME400 HIE 400 (HI-VG)
34010 0112	3401 L180B G2	1	•				50	A++	6,1				
34010 0111	3401 L180TB G2	1		•			50	A++	6,1				
34010 0122	3401 L180T G2	1			•		50	A++	6,1	198	29.500	149	HIT400 HIE400 (HS-VG)
34010 0401	3402 L180 G2 DIMD	1	•	•			60	A++	8,2				
34010 0414	3402 L180B G2 DIMD	1	•	•			60	A++	8,0				
34010 0413	3402 L180TB G2 DIMD	1	•	•			60	A++	8,0				
34010 0432	3402 L180T G2 DIMD	1	•		•		60	A++	8,0				
34010 0400	3402 L250 G2	3	•				45	A++	8,1	198	29.500	149	HIT400 HIE400 (HS-VG)
34010 0416	3402 L250B G2	3	•				45	A++	7,9				
34010 0415	3402 L250TB G2	3		•			45	A++	7,9				
34010 0433	3402 L250T G2	3			•		45	A++	7,9				
34010 0402	3402 L250 G2 DIMD	3	•	•			45	A++	8,1				
34010 0417	3402 L250B G2 DIMD	3	•	•			45	A++	7,9				
34010 0412	3402 L250TB G2 DIMD	3	•	•			45	A++	7,9				
34010 0434	3402 L250T G2 DIMD	3	•		•		45	A++	7,9				

* see notes

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



High Bay
Fittings

Accessories / Spare Parts

Article no.	Type	
34011 9001	3401/010	spare safety glass, for BR 3401/3402... (3 glasses per fitting necessary)
34011 9002	3401/010 IFS	PC cover, for BR 3401/3402... IFS (3 glasses per fitting necessary)
34011 9003	3401/011	spare cover PMMA, prismatic structure for BR 3401/3402 (3 pieces per fitting necessary)
34011 9004	3401/012 B	spare cover PC, wide beam for BR 3401/3402... B 3 (3 glasses per fitting necessary)
34011 9005	3401/012 TB	spare cover PC, narrow-wide beam for BR 3401/3402... TB (3 glasses per fitting necessary)
34011 9006	3401/012 T	spare cover PC, narrow beam for BR 3401/3402... T (3 glasses per fitting necessary)