

# LUXANO 2

## Dustproof/Waterproof LED Light Fitting with Diffuser Series 167 ... G2 / 167... G2 VARIO

### Applications:

In humid, wet and dusty indoor areas of industrial and agricultural premises, for workshops and car parks etc.

(For damp and cold ambient conditions with low duty cycles and in the case of aggressive atmosphere, please contact us)

### Applications:

**Housing:** Glass fibre reinforced polyester resin, foamed polyurethane gasket.

**Diffuser:** PMMA, frosted for glare limitation.

**Closures:** stainless steel, in order to

ensure the protection against contact.

The light fitting can be opened with a tool only.

**Reflector:** Painted, removable, completed with electronic components.

**Electrical connection:** 3-pole terminal block.

**Cable entries:** Variable, closed knock-outs on the short and long sides and on the backside, 2 blanking plugs M20.

**Mounting system:** 2 retaining clips made of stainless steel, 2 bracket for chain suspension (part of the delivery)

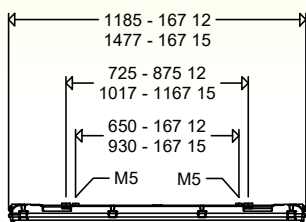
### VARIO versions with variable setting of the luminous flux

#### Applications:

Factories in which, for reasons of maximum standardization and economic storage, only one type of damp-proof luminaire is to be used, which can be used for a wide variety of lighting tasks due to its variably adjustable luminous flux.

#### Design:

As standard version but with DIP switch for setting the luminous flux without tools. The luminaire luminous flux can be set to four values. Depending on the set luminous flux, the power consumption of the light fitting and the maximum permissible ambient temperature change.



### Technical data:

**LED:** Linear modules 4,000K, CRI > 80, service life  $L_{80} > 50,000$ h at max. ambient temperature, CRI > 80,

**Type HE CS / HE VARIO / L100 / LW / ER DIMD / T40/50**

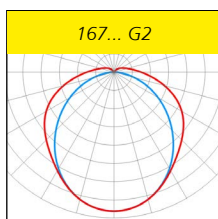
**LED:** Linear modules 4,000K, CRI > 80, service life  $L_{90} > 50,000$ h at 25°C ambient temperature, service life  $L_{80} > 70,000$ h and  $L_{70} > 100,000$ h at max. ambient temperature

**ECG:** 220-240V, 50/60Hz

**Ambient temperature:** -20°C up to see article table

### Options:

- 2,200K, 2,700K, 3,000K, 5,000K,
- quick-connector „Fast Connect“ (FC)
- 6,500K
- cable looping (RR)
- through wiring



### Product highlights of the VARIO version:

- universally usable due to variable setting of the luminous flux, depending on the requirement
- simple and quick adjustment on-site without tools
- can be changed at any time (e.g. change of use of the premises with new requirements in regard to the level of illumination)
- great versatility, thus economical storage due to standardization (only one light fitting instead of multiple versions)

### General product highlights of the LUXANO 2 series:

- homogeneous illumination by using frosted diffusers, no individual light spots visible, comfortable perception of light and excellent glare limitation
- high 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
- closures made of stainless steel
- variable cable entries, closed knock-outs on the short and long sides, and on the backside
- FastFix quick mounting system, with retaining clips made of stainless steel for variable mounting distances, without opening the fitting.
- 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](http://www.schuch.de).

Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm] <sup>1)</sup>	Luminous efficacy [lm/W]	Tmax [°C]	Substitute for *	Weight [kg] without packing material
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**NEW**

## 167... G2 / ... G2 VARIO



16700 0020	<b>167 12LG2 VARIO</b>	1	18	2.700	150	35	> 1 x 36W	1,7
			21	3.100	148	35	< 1 x 58W	
			26	3.800	146	35	> 1 x 58W	
			30	4.300 <sup>2)</sup>	143	35	2 x 36W	
16700 0021	<b>167 15LG2 VARIO</b>	1	25	3.800	152	35	> 1 x 58W	1,9
			29	4.400	152	35	2 x 36W	
			36	5.400	150	35	< 2 x 58W	
			43	6.200 <sup>2)</sup>	144	35	2 x 58W	
16700 0015	<b>167 15L100G2</b>	1	70	10.690	153	35	3 x 58W	2,0

## 167... G2 HE VARIO



### highly efficient design for reduced energy consumption

The luminaire luminous flux can be set to four values. Depending on the set luminous flux, the power consumption of the light fitting and the maximum permissible ambient temperature change.

16704 0001	<b>167 12LG2 HE VARIO</b>	1	20	3.240 <sup>2)</sup>	162	40	1 x 58W	1,7
			25	4.020	161	40	>1 x 58W	
			29	4.620	159	40	2 x 36W	
			34	5.280	155	35	>2 x 36W	
16704 0002	<b>167 15LG2 HE VARIO</b>	1	25	4.050	162	40	>1 x 58W	2,0
			31	4.960	160	40	2 x 36W	
			36	5.810 <sup>2)</sup>	161	40	2 x 58W	
			43	6.660	155	35	>2 x 58W	

**NEW**

## 167... G2 AUS / ... G2 VARIO AUS



#### Notes:

1. In case of horizontal installation, the light fitting must be fixed directly with screws (washer and pressure disk are included) or it must be mounted with reinforced retaining clips (see accessories)!
2. The light fitting is not to be used in areas with high mechanical stress (wind) or seldom usage (i.e. maintenance and inspection only).
3. We recommend our series 144... in AUS-version or a weather roof within very critical environmental conditions.

### for application in unprotected outdoor areas

#### Applications:

In protected and unprotected outdoor areas, mounted to walls, ceilings, catwalks, under canopies, bus stops, train stations, subways, construction sites, etc.

#### Design:

As type 167... G2, but:

Diffuser: UV proof

Gasket: silicone

Pressure compensation element: M20

Entries: 1 gland M20 at one small side, pressure compensation element M20 at the other small side.

Mounting system: 2 reinforced retaining clips (also suitable for horizontal wall mounting) made of stainless steel (part of the delivery)

16701 0030	<b>167 12LG2 VARIO AUS</b>	1	18	2.700	150	35	> 1 x 36W	1,7
			21	3.100	148	35	< 1 x 58W	
			26	3.800	146	35	> 1 x 58W	
			30	4.300 <sup>2)</sup>	143	35	2 x 36W	
16701 0031	<b>167 15LG2 VARIO AUS</b>	1	25	3.800	152	35	> 1 x 58W	1,9
			29	4.400	152	35	2 x 36W	
			36	5.400	150	35	< 2 x 58W	
			43	6.200 <sup>2)</sup>	144	35	2 x 58W	
16701 0020	<b>167 15L100G2 AUS</b>	1	70	10.690	153	35	3 x 58W	2,0

1) possible setting range

2) Factory setting

\* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm] <sup>1)</sup>	Luminous efficacy [lm/W]	Tmax [°C]	Substitute for *	Weight [kg] without packing material
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**NEW**

## 167... G2 IFS / ... G2 VARIO IFS



### Notes:

The light fittings in Version IFS are not suitable for cleaning with cleaning agents or disinfectants as well as the cleaning with water-jet units.

### for application in food industry areas

#### Applications:

Food industry or food processing factories, suppliers to the food industry who are falling in the International Featured Standard Food, BRC, HACCP or who are subject to comparably strict requirements.

#### Design:

Same as type 167... G2 but:  
Diffuser: cover Polycarbonate, frosted.

16719 0020	<b>167 12LG2 VARIO IFS</b>	1	18	2.700	150	35	> 1 x 36W	1,7
			21	3.100	148	35	< 1 x 58W	
			26	3.800	146	35	> 1 x 58W	
			30	4.300 <sup>2)</sup>	143	35	2 x 36W	
16719 0021	<b>167 15LG2 VARIO IFS</b>	1	25	3.800	152	35	> 1 x 58W	1,9
			29	4.400	152	35	2 x 36W	
			36	5.400	150	35	< 2 x 58W	
			43	6.200 <sup>2)</sup>	144	35	2 x 58W	
16719 0015	<b>167 15L100G2 IFS</b>	1	70	10.690	153	35	3 x 58W	2,0

1) possible setting range  
2) Factory setting

\* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

## 167... G2 DIMD



### dimmmable via DALI interface

#### Design:

Same as standard version, but with DALI2-ECG and 2 additional clamping points, marked with DA, the polarity does not matter. Dimming level 1 -100%.  
Compatible with LIMAS Line Light Management System.

#### Note:

The lines to the control inputs must be mains voltage-proof and can be carried along in the connecting cable.

16700 0032	<b>167 15L34G2 DIMD</b>	1	28	3.850	138	35	1 x 58W	2,0
16700 0033	<b>167 12L42G2 DIMD</b>	1	30	4.100	137	35	2 x 36W	1,7
16700 0034	<b>167 15L60G2 DIMD</b>	1	43	6.000	140	35	2 x 58W	2,0
16700 0035	<b>167 15L100G2 DIMD</b>	1	70	10.690	153	35	3 x 58W	2,2

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**Dustproof/Waterproof  
Light Fittings**

Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm] <sup>1)</sup>	Luminous efficacy [lm/W]	Tmax [°C]	Substitute for *	Weight [kg] without packing material
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## 167... G2 DIMC



### with Corridor Mode

#### Applications:

Areas where light fittings are controlled via motion detector or door contact, e.g. storage areas, shelf aisles. Areas with high energy-saving potential at times without presence of persons, e.g. car parks, warehouses, aisles, cold stores etc.

#### Design:

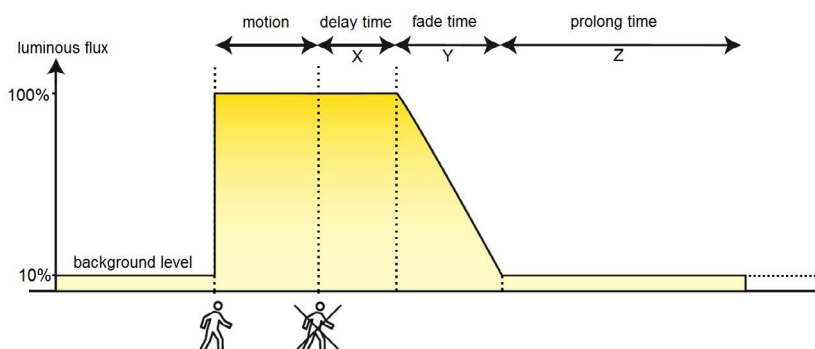
Same as standard version, but with dimmable ECG and additional clamping point, marked with L'.

#### Technical data:

The Corridor Mode allows easy power reduction at a fixed value by means of an ordinary 230V control voltage.

#### Default settings:

- 100% luminous flux as long as the control phase is active.
- holding time of 100% luminous flux after switching off the control phase = 0 seconds. By setting the switch-off delay of the motion detector the customer can select an individual holding time
- dimming ramp 30 seconds
- 10% luminous flux when no movement is detected (reduced operation).
- automatic cutoff deactivated (light fitting never switches off and provides a background illumination of 10%, but can be switched off by user at any time).



16700 0036	<b>167 15L34G2 DIMC</b>	1	28	3.850	138	35	1 x 58W	2,0
16700 0037	<b>167 12L42G2 DIMC</b>	1	30	4.100	137	35	2 x 36W	1,7
16700 0038	<b>167 15L60G2 DIMC</b>	1	43	6.000	140	35	2 x 58W	2,0
16700 0039	<b>167 15L100G2 DIMC</b>	1	70	10.690	153	35	3 x 58W	2,2

## 167... G2 DIMC-Z30



### with Corridor Mode and automatic switch-off function

#### Design:

As DIMC version but with automatic switch-off after 30 minutes.

#### Default settings different from DIMC types:

- automatic cutoff activated (10% background illumination for 30 minutes, then the light fitting is switched off [0%]).

16700 0066	<b>167 15L34G2 DIMC-Z30</b>	1	28	3.850	138	35	1 x 58W	2,0
16700 0067	<b>167 12L42G2 DIMC-Z30</b>	1	30	4.100	137	35	2 x 36W	1,7
16700 0068	<b>167 15L60G2 DIMC-Z30</b>	1	43	6.000	140	35	2 x 58W	2,0
16700 0089	<b>167 15L100G2 DIMC-Z30</b>	1	70	10.690	153	35	3 x 58W	2,2

\* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.



Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm] <sup>1)</sup>	Luminous efficacy [lm/W]	Tmax [°C]	Substitute for *	Weight [kg] without packing material
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NEW

## 167... G2 HE CS



### with smart LIMAS Air light control via radio

#### Applications:

Areas where no DALI lines are available or planned, but the luminaires are to be controlled intelligently.

#### Design:

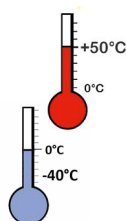
As standard version, but with CASAMBI®-enabled control gear for smart lighting control.

Explanations on smart light control as well as further system components (sensors / switches / pushbuttons etc.) can be found in the catalog section „Light Management - LIMAS Air“.

#### Product highlights:

- each individual luminaire separately controllable
- compatible with all LIMAS Air system components
- convenient configuration and control via Bluetooth using free smartphone app (Android and iOS)
- no gateway and no internet connection required
- extensive portfolio of sensors and actuators
- high-efficiency design (HE) for reduced energy consumption
- significant reduction of operating costs and CO<sub>2</sub> reduction

16700 0090	<b>167 12L42G2 HE CS</b>	1	27	4.100	152	40	2 x 36W	1,7
16700 0091	<b>167 15L60G2 HE CS</b>	1	39	6.000	154	40	2 x 58W	2,0



NEW

## 167... T40 / H50



### for wide temperature ranges from -40°C up to +50°C

16700 0082	<b>167 15L34G2 T40 H50</b>	1	25	3.710	148	50	1 x 58W	2,0
16700 0083	<b>167 12L42G2 T40 H50</b>	1	27	4.100	152	50	2 x 36W	1,7
16700 0084	<b>167 15L60G2 T40 H50</b>	1	39	6.000	154	50	2 x 58W	2,0



## 167... G2 LW



### for application in stables and agriculture farming

#### Applications:

Pigsties with increased ammonia exposure, dairy cattle, cattle and horse barns.  
Damp, wet and dusty rooms in agricultural premises as well as rooms with increased fire risk due to combustible dusts, e.g. barns, straw and feed storage.

#### Design:

Same as type 167... G2 but with corrosion-proof and highly ammonia-resistant components.

Gasket: silicone

Cable entries: 1 gland M20 at one small side, blanking plug M20 at the other small side.

Mounting system: 2 reinforced retaining clips (also suitable for horizontal wall mounting), made of stainless steel, 2 brackets for chain suspension (part of the delivery).

#### Product highlights:

- permanently ammonia-resistant design
- corrosion-proof encapsulated electronic ballast
- highly resistant LED Modules with additional protective coating
- closures made of stainless steel
- ⚡-symbol, suitable for rooms with increased fire risk
- extremely efficient up to 174 lm/W
- none-flickering light to avoid stress and to ensure animal welfare
- DLG (German Agricultural Society) exam



16702 0013	<b>167 12L42G2 LW</b>	1	23	4.000	174	35	1 x 58W	1,7
16702 0014	<b>167 15L60G2 LW</b>	1	37	6.140	166	35	2 x 58W	2,0

\* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

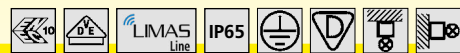
**Note:**

The light fitting 167 ... G2 ER DIMD is not suitable for use in pig stalls! We recommend using our 107... PRIMO XR LW DIMD series.



Article no.	Type	Quantity of ECG	Connected load [W]	Luminous flux [lm] <sup>1)</sup>	Luminous efficacy [lm/W]	Tmax [°C]	Substitute for *	Weight [kg] without packing material
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## 167... G2 ER DIMD



### for application in stables and agriculture farming

**Applications:**

In poultry farming in accordance with the German Animal Welfare (TierSCHNutzTV), dairy cattle, cattle and horse stables.

Damp, wet and dusty rooms in agricultural premises as well as rooms with increased fire risk due to combustible dusts, e.g. barns, straw and feed stores.

**Design:**

Like version 167 ... G2 LW but with DALI2-ECG (not encapsulated in a corrosion-proof manner) and 2 additional terminal points, labeled „DA“, polarity is irrelevant. Dimming level 1-100%.

Compatible with LIMAS Line Light Management System.

**Note:** The lines to the control inputs must be mains voltage-proof and can be carried along in the connecting cable.

16702 0023	<b>167 12L42G2 ER DIMD</b>	1	24	4.170	174	35	2 x 36W	1,7
16702 0024	<b>167 15L60G2 ER DIMD</b>	1	37	6.140	166	35	2 x 58W	2,0

\* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.

## Accessories / Spare Parts

Article no.	Type	
<b>spare glasses, PMMA, frosted</b>		
16711 9003	<b>ABD 167 12 G2</b>	cover, frosted PMMA diffuser, for 167 12 ... G2
16711 9004	<b>ABD 167 15 G2</b>	cover, frosted PMMA diffuser, for 167 15 ... G2
16711 9005	<b>ABD 167 12 G2 PC</b>	cover, frosted PC diffuser, for 167 12 ... G2
16711 9006	<b>ABD 167 15 G2 PC</b>	cover, frosted PC diffuser, for 167 15... G2
<b>Fasteners</b>		
90123 9008	<b>167G2 KE V10</b>	stainless steel (packing unit 10)
<b>Cable entries/pressure compensation elements</b>		
90063 9000	<b>2511</b>	blanking plug M20
25610 9000	<b>2561</b>	plastic cable gland M20 x 1,5
90259 9002	<b>DAE20</b>	pressure compensation element M20 for ... AUS
<b>Accessories</b>		
90049 0004	<b>167 VBC P</b>	retaining clips, reinforced for horizontal wall mount (1 pair)