

# ANNEX

## Data Sheet

Suspension L LED



ANNEX Suspension L LED • reflector: polished aluminum



ANNEX Suspension L LED • reflector: opal acrylic glass



ANNEX Suspension L LED • reflector: crystal glass

The Annex luminaire range is the result of a profound understanding of light and design. Various inner reflectors are available; the latter combined with the elegant glass shade create a formal unity and permit different lighting effects.

Examples of applications:  
Private and commercial spaces.  
Singly for central ceiling mounting and in series, e.g. in hallways, over kitchen worktops, bars, reception and sales counters.

### Technical data sheet

Downlight and ceiling luminaire in one ally suited for standardized ceiling mounting, Annex is designed to lend itself to a variety of uses. The new LED version combines timeless design with durable LED technology. Thanks to a standardized fitting system the LED unit can be replaced. And given the illuminant's long life, Annex Suspension with LED is an ideal choice for commercial premises.

Design: Prof. Uwe Fischer

### Awards

Baden-Württemberg International Design Award (Internationaler Designpreis Baden-Württemberg) Focus Silber 2011, German Design Award (Designpreis der Bundesrepublik Deutschland) nomination 2012

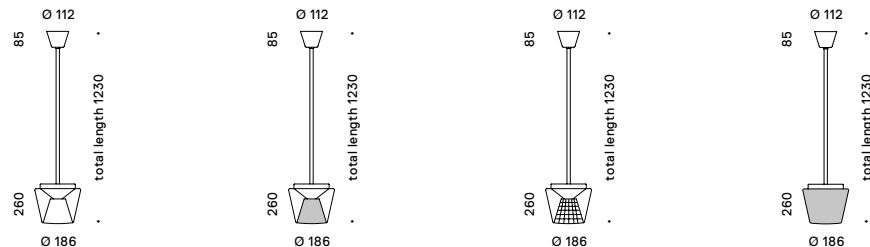


### Material & surfaces



Material canopy, suspension	aluminum			
Surface canopy	high gloss polished and powder coated RAL 9010			
Surface suspension	chrome-plated			
Glass shade	mouth-blown clear	mouth-blown clear	mouth-blown clear	mouth-blown opal
Reflector	opal acrylic glass	polished aluminum	faceted crystal glass	-

### Dimensions



### Technical data


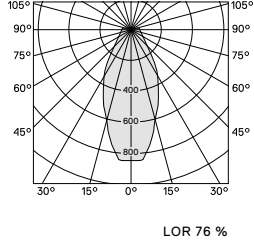

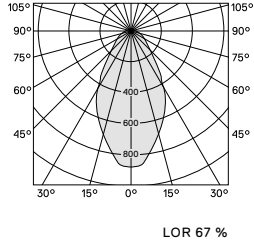

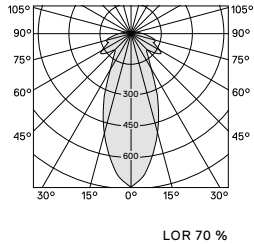

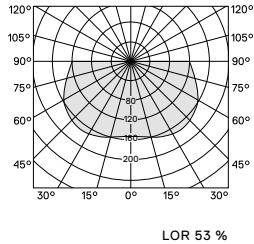
Illuminant	LED CoB (LED circuit board can be replaced by qualified staff)							
Power (nominal value) <sup>1</sup>	32 W	38 W	32 W	38 W	32 W	38 W	32 W	38 W
Luminous flux LED 2700K (nominal value) <sup>1</sup> / Color temperature 3000K	3440 lm	3950 lm	3440 lm	3950	3440 lm	3950 lm	3440 lm	3950 lm
Color rendering index	> 90 CRI (other color rendering indices available on request)							
Operating voltage	primary 220 – 240 V AC, secondary 36 V DC (power factor 0.9) (32 W and 38 W models also available as primary 110 V AC, secondary 36 V DC)							
Control <sup>4</sup>	TRIAC	DALI 1 – 10 V	TRIAC	DALI 1 – 10 V	TRIAC	DALI 1 – 10 V	TRIAC	DALI 1 – 10 V
Average lifetime LED	50.000 h <sup>2</sup>							
Energy efficiency class	A++ to A							
Guarantee	2 years							
Mounting	easy tool-free mounting of glass shade via bayonet catch							
Weight	ca. 4.5 kg							



The crossed-out wheelee bin indicates that this electrical appliance must not be disposed of via household waste. In order to protect human health and the environment against potentially hazardous substances, at the end of its lifecycle this product can be taken to a collection point close to you and disposed of free of charge there. This separate disposal enables electrical appliances to be reused or recycled.

### Photometric data sheet

Depending on the version, different light emissions and moods can be achieved: Even light distribution throughout the room with opal shade without inner reflector. More targeted with clear shade and conic opal reflector for light directly downwards and softly dispersed all round. A more dramatic lighting effect is achieved with a reflector of polished aluminum: directly downwards and diffuse via ceiling. Brilliant: with a reflector of faceted crystal glass.

			Power (measured value) <sup>1</sup>	Color Temperature	CRI	Luminous flux (measured value) <sup>1</sup>
<b>ANNEX Suspension L LED</b> Clear glass shade Reflector opal acrylic glass  		36 W	2700 K	80	2900 lm	
			90	2550 lm		
		41 W	3000 K	80	3100 lm	
			90	2650 lm		
			2700 K	80	3400 lm	
			90	3000 lm		
	3000 K	80	3600 lm			
	90	3100 lm				
Light: directed downwards, scattered all round	LOR 76 %					
<b>ANNEX Suspension L LED</b> Clear glass shade Reflector polished aluminum  		36 W	2700 K	80	2600 lm	
			90	2300 lm		
		41 W	3000 K	80	2750 lm	
			90	2350 lm		
			2700 K	80	3050 lm	
			90	2650 lm		
	3000 K	80	3200 lm			
	90	2750 lm				
Light: directed downwards, all round diffuse	LOR 67 %					
<b>ANNEX Suspension L LED</b> Clear glass shade Reflector crystal glass  		36 W	2700 K	80	2700 lm	
			90	2400 lm		
		41 W	3000 K	80	2900 lm	
			90	2450 lm		
			2700 K	80	3200 lm	
			90	2750 lm		
	3000 K	80	3300 lm			
	90	2900 lm				
Light: directed downwards, all round decorative	LOR 70 %					
<b>ANNEX Suspension L LED</b> Opal glass shade  		36 W	2700 K	80	2000 lm	
			90	1800 lm		
		41 W	3000 K	80	2100 lm	
			90	1800 lm		
			2700 K	80	2400 lm	
			90	2050 lm		
	3000 K	80	2500 lm			
	90	2150 lm				
Light diffusely scattered all round	LOR 53 %					





Please note:

You can download the photometric data (EULUMDAT) from <http://serien.com/downloads/>.

All values are rated values. Power and luminous flux are subject to an initial tolerance of +/- 10%.

Tolerance of color temperature: +/-150 K. When not otherwise indicated the values apply for an ambient temperature of 25 °C.

### Article numbers

		Output (nominal value) <sup>1</sup>	Control Technology <sup>4</sup>	CRI <sup>3</sup>	Color Temperature <sup>3</sup>	Article Number
	<b>ANNEX Suspension L LED</b> Clear glass shade Reflector opal acrylic glass	32 W	TRIAC	> 90	2700 K	AN3147
					3000 K	AN3148
	38 W	DALI	> 90	2700 K	AN3151	
				3000 K	AN3152	
				2700 K	AN3149	
				3000 K	AN3150	
	<b>ANNEX Suspension L LED</b> Clear glass shade Reflector polished aluminum	32 W	TRIAC	> 90	2700 K	AN3153
					3000 K	AN3154
	38 W	DALI	> 90	2700 K	AN3157	
				3000 K	AN3158	
				2700 K	AN3155	
				3000 K	AN3156	
	<b>ANNEX Suspension L LED</b> Clear glass shade Reflector crystal glass	32 W	TRIAC	> 90	2700 K	AN3141
					3000 K	AN3142
	38 W	DALI	> 90	2700 K	AN3145	
				3000 K	AN3146	
				2700 K	AN3143	
				3000 K	AN3144	
	<b>ANNEX Suspension L LED</b> Opal glass shade	32 W	TRIAC	> 90	2700 K	AN3135
					3000 K	AN3136
	38 W	DALI	> 90	2700 K	AN3139	
				3000 K	AN3140	
				2700 K	AN3137	
				3000 K	AN3138	

### Recommended dimmers

The following list is the result of internal tests conducted in a controlled environment. However, in some cases there is a possibility that owing to technical specifications (e. g., drivers, cables, switches, etc.) a specific combination of dimmer and LEDs does not work. As such our recommendations do not represent a guarantee.

<b>ANNEX Suspension L LED</b>	32 W	TRIAC	BERKER 286710 BUSCH JAGER 6513 U-102 Feller 40600.RL. (all variants) JUNG 225 TDE MERTEN MEG5139
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<sup>1</sup> The nominal and measured values given refer to the illuminants employed at the time the data sheet was compiled. Subject to alterations.

<sup>2</sup> Specified by the manufacturer. serien Raumeuchten GmbH assumes no liability for the accuracy of the information.

<sup>3</sup> Other versions available on request.

<sup>4</sup> Control via DALI or 1-10V requires 5-wire mains cable.