

ANNEX

Data Sheet

Suspension



DESIGN PLUS



A quite archetypal suspension lamp with that added functionality we value: two different sizes correspond with the proportions of your rooms. The different reflectors on the inside of the mouth-blown spherical shade enable extremely varied light effects, which nonetheless formally are part of one family.

Examples of applications:

ANNEX Suspension can be used in any number of ways and is particularly suitable for high rooms. ANNEX Suspension fits perfectly in private and commercial rooms, for a central ceiling connection or in rows, e.g. in corridors, above kitchen units, counters, reception and sales counters.

Technical data sheet

Downlight and ceiling luminaire in one and ideally suited for fitting on most ceilings, Annex is designed and conceived to ensure it is highly versatile and combines sustainable design with long-lasting LED technology. A standardized replacement system allows an easy replacement of the LED unit.

Design Prof. Uwe Fischer

Awards

Focus Open - Baden-Württemberg International Design Award, Silver 2011
 Design Plus, 2012
 German Design Award, Nominee 2013

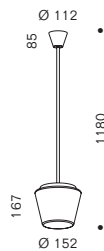


Material & surfaces



| | |
|---------------|--|
| Lighting unit | aluminium highly polished and powder coated white RAL 9010 |
| Suspension | chromed steel tube |
| Glass shade | hand-blown glass clear |
| Reflector | acrylic glass opal, aluminium polished, crystal glass with aluminium reflector |

Dimensions in mm



ANNEX Suspension M



ANNEX Suspension L

Technical data

| | | | | |
|-----------------------------------|---|--------------|---|--------------------|
| Illuminant | 2700K - CLU03J-1208C9-272H7U4 / EPREL-ID: 961804 | | 2700K - CLU04J-1212C9-272H7U4 / EPREL-ID: 961792 | |
| | 3000K - CLU03J-1208C9-302H7U4 / EPREL-ID: 961805 | | 3000K - CLU04J-1212C9-302H7U4 / EPREL-ID: 961792 | |
| Energy efficiency class | This product contains a light source of energy efficiency class F | | This product contains a light source of energy efficiency class E | |
| Power (nominal value) | 20 W | 27 W | 34 W | 41 W |
| Color temperature | 2700 K | 1630 lm | 2610 lm | 3510 lm |
| Luminous flux LED (nominal value) | 3000 K | 1680 lm | 2750 lm | 4050 lm |
| Operating voltage | primary 220-240 V AC, secondary 36 V DC | | | |
| Control | TRIAC | 0-10 V, DALI | | TRIAC 0-10 V, DALI |
| Average lifetime LED | 50.000 h* | | | |
| Warranty | 2 years | | | |
| Weight | ca. 3,8 kg | | ca. 4,5 kg | |
| Features | LED exchangeable. Glass shade tool-free mountable with bayonet lock. DALI-versions are suitable for the use in emergency lighting systems. Tube can be shortened on location | | | |




Marks




* Angabe laut Hersteller. serien Raumeuchten GmbH übernimmt für die Richtigkeit der Angabe keine Haftung.

Photometric data sheet


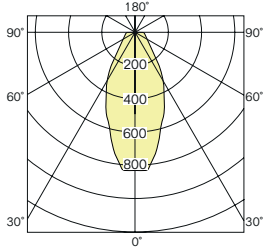
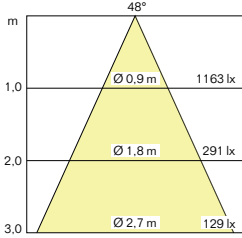

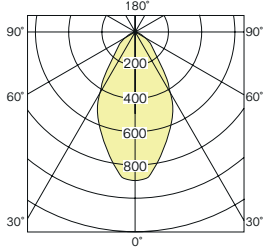
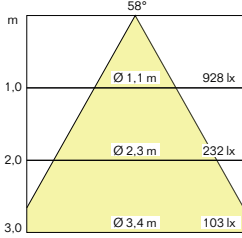

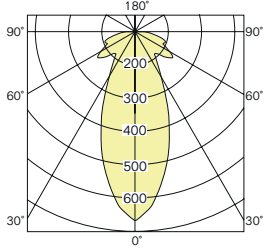
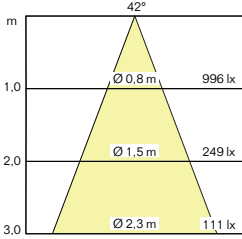
ANNEX Suspension can take on various roles as a central ceiling lamp: evenly distributed light throughout the room with a shade made of milky finished glass with no interior reflector. More targeted with a conic milk glass reflector for direct downward light, for rooms and ceilings as well. With an aluminum reflector floors and ceilings are lit gently, increasing the dramatic effect, more brilliantly with a faceted crystal glass reflector.

| | Power | CRI | CCT | Luminous flux (measured value) |
|---|-------|-----|--------|-----------------------------------|
| ANNEX Suspension M LED reflector opal | | | | |
|  <p>Light: directed downwards, distributed all around</p> | 20 W | >97 | 2700 K | 1443 lm |
| | | | 3000 K | 1525 lm |
| | | | 2700 K | 2162 lm |
| | | | 3000 K | 2284 lm |
| ANNEX Suspension M LED reflector polished | | | | |
|  <p>Light: directed downwards, diffuse all around</p> | 20 W | >97 | 2700 K | 1239 lm |
| | | | 3000 K | 1304 lm |
| | | | 2700 K | 1856 lm |
| | | | 3000 K | 1953 lm |
| ANNEX Suspension M LED reflector crystal | | | | |
|  <p>Light: directed downwards, decorative all around</p> | 20 W | >97 | 2700 K | 1311 lm |
| | | | 3000 K | 1384 lm |
| | | | 2700 K | 1965 lm |
| | | | 3000 K | 2073 lm |

 Note: The photometric data (EULUMDAT) can be downloaded from <https://serien.com/downloads/>

Photometric data sheet

ANNEX Suspension can take on various roles as a central ceiling lamp: evenly distributed light throughout the room with a shade made of milky finished glass with no interior reflector. More targeted with a conic milk glass reflector for direct downward light, for rooms and ceilings as well. With an aluminum reflector floors and ceilings are lit gently, increasing the dramatic effect, more brilliantly with a faceted crystal glass reflector.

| | | | Power | CRI | CCT | Luminous flux (measured value) |
|---|---|--|-------|-----|--------|-----------------------------------|
| ANNEX Suspension L LED reflector opal | | | | | | |
|  |  |  | 34 W | >97 | 2700 K | 3080 lm |
| | | | | | 3000 K | 3250 lm |
| | | | 41 W | >97 | 2700 K | 3520 lm |
| | | | | | 3000 K | 3750 lm |
| ANNEX Suspension L LED reflector polished | | | | | | |
|  |  |  | 34 W | >97 | 2700 K | 2770 lm |
| | | | | | 3000 K | 2900 lm |
| | | | 41 W | >97 | 2700 K | 3170 lm |
| | | | | | 3000 K | 3340 lm |
| ANNEX Suspension L LED reflector crystal | | | | | | |
|  |  |  | 34 W | >97 | 2700 K | 3000 lm |
| | | | | | 3000 K | 3150 lm |
| | | | 41 W | >97 | 2700 K | 3430 lm |
| | | | | | 3000 K | 3640 lm |

Light: directed downwards,
distributed all around

ANNEX Suspension L LED reflector polished




Light: directed downwards,
diffuse all around

ANNEX Suspension L LED reflector crystal






Light: directed downwards,
decorative all around




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Article numbers

ANNEX Suspension M

| figure | description | lamp | control | power | CCT | art.-no. |
|---|--------------------|------|---------|-------|--------|----------|
|  | reflector opal | LED | TRIAC | 20 W | 2700 K | AN3101 |
| | | | | | 3000 K | AN3102 |
| | | LED | 0-10 V | 27 W | 2700 K | AN3103 |
| | | | | | 3000 K | AN3104 |
| | | LED | DALI | 27 W | 2700 K | AN3105 |
| | | | | | 3000 K | AN3106 |
|  | reflector polished | LED | TRIAC | 20 W | 2700 K | AN3111 |
| | | | | | 3000 K | AN3112 |
| | | LED | 0-10 V | 27 W | 2700 K | AN3113 |
| | | | | | 3000 K | AN3114 |
| | | LED | DALI | 27 W | 2700 K | AN3116 |
| | | | | | 3000 K | AN3117 |
|  | reflector crystal | LED | TRIAC | 20 W | 2700 K | AN3121 |
| | | | | | 3000 K | AN3122 |
| | | LED | 0-10 V | 27 W | 2700 K | AN3123 |
| | | | | | 3000 K | AN3124 |
| | | LED | DALI | 27 W | 2700 K | AN3125 |
| | | | | | 3000 K | AN3126 |

ANNEX Suspension L

| figure | description | lamp | control | power | CCT | art.-no. |
|---|--------------------|------|---------|-------|--------|----------|
|  | reflector opal | LED | TRIAC | 34 W | 2700 K | AN3147 |
| | | | | | 3000 K | AN3148 |
| | | LED | 0-10 V | 41 W | 2700 K | AN3149 |
| | | | | | 3000 K | AN3150 |
| | | LED | DALI | 41 W | 2700 K | AN3151 |
| | | | | | 3000 K | AN3152 |
|  | reflector polished | LED | TRIAC | 34 W | 2700 K | AN3153 |
| | | | | | 3000 K | AN3154 |
| | | LED | 0-10 V | 41 W | 2700 K | AN3155 |
| | | | | | 3000 K | AN3156 |
| | | LED | DALI | 41 W | 2700 K | AN3157 |
| | | | | | 3000 K | AN3158 |
|  | reflector crystal | LED | TRIAC | 34 W | 2700 K | AN3141 |
| | | | | | 3000 K | AN3142 |
| | | LED | 0-10 V | 41 W | 2700 K | AN3143 |
| | | | | | 3000 K | AN3144 |
| | | LED | DALI | 41 W | 2700 K | AN3145 |
| | | | | | 3000 K | AN3146 |




Special versions

Other Versions (CCT/CRI) and special lengths available on request.

Lighting data

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.
The specified nominal and measured values refer to the illuminants used at the time the data sheet was prepared. Omissions excepted.

Caption

| | |
|---|---|
| + C | +C indicates products with pre-programmed CASAMBI module integrated in the luminaire. The CASAMBI functionality is basically applicable to all our products. For the different possibilities of integration (depending on the temperature)–in the luminaire, in the suspended ceiling, in the switch or the distribution box) we will be pleased to inform you. CASAMBI is a lighting control system which is operated via Bluetooth and can be integrated completely into the luminaire or behind the light switch. It is controlled via mobile devices using the free CASAMBI app, making its operation simple and intuitive. CASAMBI expands the possibilities of control with new options such as dimming, the programming of specific scenarios or groups, automations and many more. For further information, please visit www.casambi.com . |
| CCT | CCT (Correlated Color Temperature) is the colour temperature of an LED and is specified in Kelvin (K). We supply LED lights with a colour temperature of 2700 K at short notice. LED lights with a color temperature of 3000 K and higher usually have longer delivery times. |
| CRI | Colour Rendering Index |
| D2W | Luminaires with this characteristic have the Dim2Warm function which, when dimmed, reproduces the colour gradient with the warmer light colour of a classic filament lamp. |
| DALI 1-10 V | 5-core mains cable required for control via DALI or 1–10 V. All LED luminaires operated with DALI power supply units are suitable for use in emergency lighting systems. |
| Lumen | The luminous flux (lumen) specifications are nominal values, i.e. pure module luminous flux values. The luminous flux indicates how much light radiates in all directions. |
| TW | Luminaires with this characteristic have variable colour temperature control from warm to cool white light. |
| UGR | Unified Glare Rating |
| IP | Protection class |
| LOR | The luminaire operating efficiency is given as a LOR value (Light Output Ratio) in percent. |
|  | The photometric data (EULUMDAT) can be downloaded from https://serien.com/downloads/ |
|  | We are happy to make the Excel file with article numbers and current prices available to our trade partners. Please contact us at: serien@serien.com |
|  | The crossed-out wheellie 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. |

At www.serien.com/downloads you will find helpful information and the latest technical data:

Data sheets, catalogues, price lists, lighting data (EULUMDAT), 3D CAD data, declarations of conformity, returns form, FAQs, assembly instructions, drilling templates and other service instructions.

Credits

©Photography: Ingmar Kurth, Rendering: serien.lighting

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