

**BEGA****50 616.5**

Pendant luminaire for indoor use

Project · Reference number

Date

**Product data sheet****Application**LED ceiling luminaire downlight · indoor  
luminaire with broad spread light distribution.**Product description**

Pendant luminaire downlight »GENIUS«  
 Die-cast aluminium housing,  
 Velvet black enamel finish  
 Reflector surface made of pure aluminium  
 Optical silicone lens  
 Trim ring · Chrome finish  
 Safety glass  
 Black flex suspension  $3 \times 0.75 \square$   
 Overall length of luminaire approx. 2000 mm  
 Connection terminal  $2.5 \square$   
 Earth conductor connection  
 LED power supply unit  
 $220-240 \text{ V} \sim 0/50-60 \text{ Hz}$   
 $\text{DC } 176-280 \text{ V}$   
 Safety class I  
**CE** – Conformity mark  
 Weight: 1.4 kg

**Inrush current**

Inrush current:  $5 \text{ A} / 50 \mu\text{s}$   
 Maximum number of luminaires of this  
 type per miniature circuit breaker:  
 B10A: 31 luminaires  
 B16A: 50 luminaires  
 C10A: 52 luminaires  
 C16A: 85 luminaires

**Lamp**

Module connected wattage	11.5 W
Luminaire connected wattage	13.7 W
Rated temperature	$t_a = 25 \text{ }^\circ\text{C}$
Ambient temperature	$t_{a \text{ max}} = 30 \text{ }^\circ\text{C}$

**50 616.5 K3**

Module designation	LED-0800/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2025 lm
Luminaire luminous flux	1575 lm
Luminaire luminous efficiency	115 lm/W

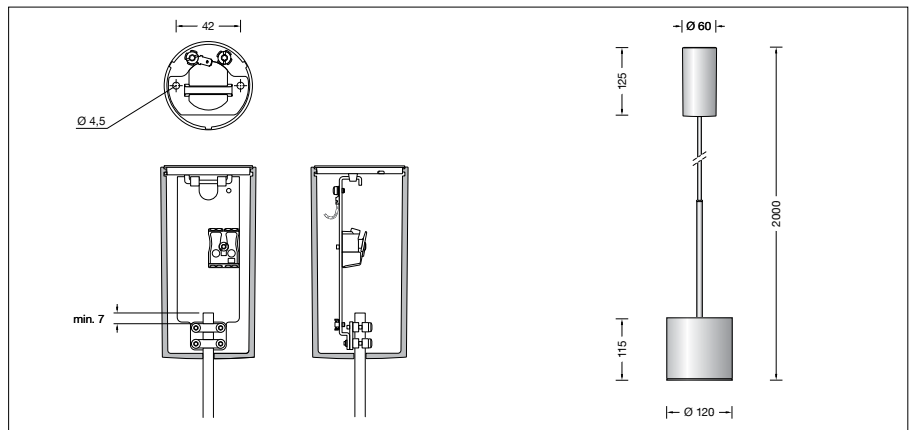
**50 616.5 K4**

Module designation	LED-0800/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2080 lm
Luminaire luminous flux	1618 lm
Luminaire luminous efficiency	118,1 lm/W

**Service life of the LED**

Ambient temperature  $t_a = 25 \text{ }^\circ\text{C}$   
 – at 370,000h: L70 B50

max. ambient temperature  $t_a = 30 \text{ }^\circ\text{C}$   
 – at 350,000h: L70 B50

**Lighting technology**

Half beam angle  $62^\circ$   
 Luminaire data for the light planning program  
 DIALux for outdoor lighting, street lighting and  
 interior lighting as well as luminaire data in  
 EULUMDAT and IES format are available on our  
 website [www.bega.com](http://www.bega.com).

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LED colour temperature optionally 3000 K  
 or 4000 K  
 3000 K – Article number + **K3**  
 4000 K – Article number + **K4**

## Optional finishes

- Velvet white enamel finish Code number **.1**
- Velvet black enamel finish Code number **.5**