

**GLASHÜTTE LIMBURG****Product data sheet****Recessed ceiling luminaire****12 199.1**

Project · Reference number

Date

**Application**

Recessed LED-ceiling luminaire and crystal glass inside and symmetrical narrow beam light distribution for connection to external LED power supply unit.

The used LED technique offers durability and optimal light output with low power consumption at the same time.

For installation in suspended ceilings of 3-20 mm in interior applications.

If this luminaire should be integrated into a LCN or ZigBee controlled building management system we recommend our BEGA Control light control system.

**Product description**

Recessed LED luminaire without power supply unit

Luminaire made of aluminium alloy, aluminium and stainless steel

Crystal glass

Reflector surface finish pure aluminium

Cover frame with optional finish:

Metal white Reference number **.1**

Stainless steel Reference number **.2**

polished aluminium Reference number **.3**

Fixing is achieved by using two pivoting wedge-shaped claws

Required recessed opening 165 x 165 mm

Recessed depth 97 mm

1 connecting cable with strain relief

and plug connector system for

GLASHÜTTE LIMBURG power supply unit,

dimnable 1-10 V or DALI

Safety class III

Impact strength IK06

Protection against mechanical impacts < 1 joule

**CE** – Conformity mark

**Light technique**

Recessed ceiling downlight with narrow beam light distribution.

Half beam angle 25°

Luminaire data for the light planning program DIALux for indoor lighting as well as luminaire data in EULUMDAT and IES-format you will find on our website

[www.glashuette-limborg.com](http://www.glashuette-limborg.com).

**Lamp**

Module connected wattage 23.2 W

Luminaire connected wattage 28 W

Rated temperature  $t_a = 25\text{ °C}$

Ambient temperature  $t_{a\text{ max}} = 25\text{ °C}$

**12 199.1**

Module designation 4x LED-0588/830

Colour temperature 3000 K

Colour rendering index  $R_a > 80$

Module luminous flux 3160 lm

Luminaire luminous flux 1804 lm

Luminaire luminous efficiency 64,4 lm/W

**12 199.1 K4**

Module designation 4x LED-0588/830

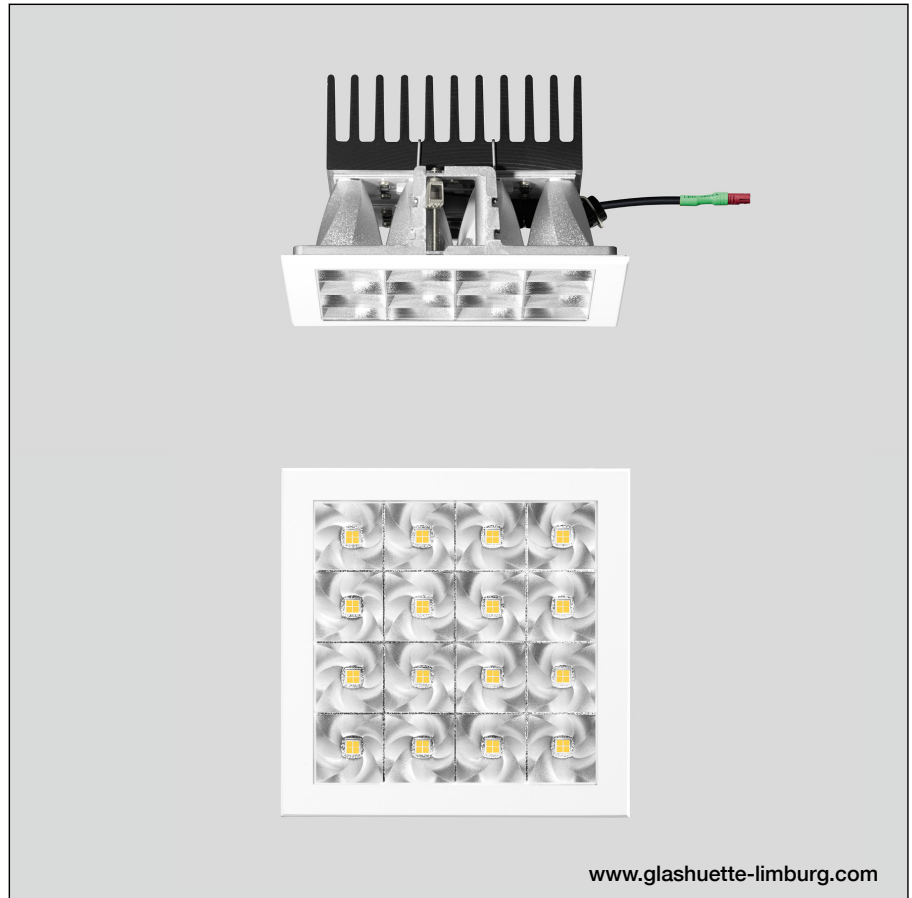
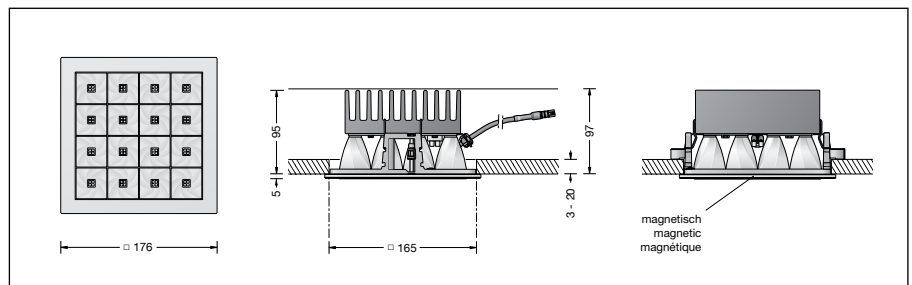
Colour temperature 4000 K

Colour rendering index  $R_a > 80$

Module luminous flux 3160 lm

Luminaire luminous flux 1804 lm

Luminaire luminous efficiency 64,4 lm/W

[www.glashuette-limborg.com](http://www.glashuette-limborg.com)**Lifetime of the LED**

Ambient temperature  $t_a = 15\text{ °C}$

– at 50,000h: L70B10

– at 125,000h: L70B50

Ambient temperature  $t_a = 25\text{ °C}$

– at 50,000h: L70B50

– at 71,000h: L70B50

max. ambient temperature  $t_a = 25\text{ °C}$

– at 50,000h: L70B50

– at 71,000h: L70B50

**Article No. 12 199.1**

Colour temperature 3000 K.

Also available with 4000 K on request.

3000 K – article number

4000 K – article number + **K4**

Finish options

- Enamel, white Code number **.1**
- Stainless steel Code number **.2**
- Polished aluminium Code number **.3**

**Accessories**

Power supply units for LED luminaires 220-240 V · 50/60 Hz with strain relief and plug connector system.

**13046** Power supply unit dimmable 1-10 V

**13047** Power supply unit DALI

The power supply units are only suitable for the operation of one LED luminaire.

For the accessories a separate instructions for use can be provided upon request.