BEGA

51 099.1

Recessed ceiling downlight for indoor use

Project · Reference number	Date

Product data sheet

Application
Ceiling luminaire downlight · Indoor luminaire with asymmetrical light distribution.
Ready-to-connect set of 3 including external phase-dimmable LED power supply unit and connection cables between the luminaires.
For installation in suspended ceilings of 3-13 mm in interior applications.

Product description
Set of 3 ready-to-connect recessed ceiling luminaire downlights including external power supply unit
Luminaire housing made of die-cast zinc finish Colour velvet white
Reflector surface made of pure aluminium
Fixing is achieved by using
2 fastening springs
Recessed opening ø 68 mm
Required installation depth 48 mm
Connection cable with 2-pole plug connector between luminaires and external LED power supply unit (see sketch)
External LED power supply unit
220-240 V ∿ 50-60 Hz
Dimmable via a leading-edge or trailing-edge dimmer
Safety class II ▣
CE – Conformity mark
Weight: 0.6 kg
This product contains light sources of energy efficiency classes E

Inrush current
Inrush current: 10 A / 40 µs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 43 luminaires
B 16 A: 68 luminaires
C 10 A: 72 luminaires
C 16 A: 116 luminaires

Lamp
Module connected wattage	4 W
Luminaire connected wattage	16 W
Rated temperature	$t_a = 25\ °C$
Ambient temperature	$t_{a\ max} = 30\ °C$

51 099.1 K27
Module designation	3x LED-1208/927
Colour temperature	2700 K
Colour rendering index	CRI > 90
Module luminous flux	1620 lm
Luminaire luminous flux	935 lm
Luminaire luminous efficiency	58,4 lm/W

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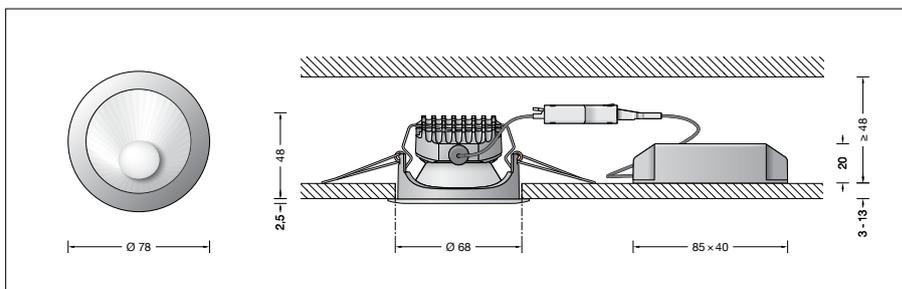|	
Module designation	3x LED-1208/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	1740 lm
Luminaire luminous flux	1005 lm
Luminaire luminous efficiency	62,8 lm/W

Service life · Ambient temperature
Rated temperature t_a = 25 °C
LED psu: > 50,000 h
LED module: 101,000 h (L80 B50)

Ambient temperature max. t_a = 30 °C (100 %)
LED psu: 50,000 h
LED module: 98,000 h (L80 B50)

Lighting technology
Asymmetrical light distribution
Half beam angle 46/48°

Article No. 51 099.1
Colour temperature 2700 K.
Also available with 3000 K on request.
2700 K – article number + **K27**
3000 K – article number + **K3**