BEGA

51 050.1

Ceiling luminaire for indoor use

Project · Reference number	Date

Product data sheet

Application
Ceiling luminaire · indoor luminaire impact resistant synthetic diffuser and metal housing for non-glare light deflected downwards.

Product description
Ceiling luminaire »STUDIO LINE«
Aluminium luminaire housing,
finish Colour velvet black
inside hue white
Metal luminaire mounting plate,
finish Colour velvet black
Impact resistant synthetic diffuser, white,
with bayonet closure
2 mounting holes ø 5.5 mm
Distance apart 230 mm
2 cable entries for through-wiring for mains
cable up to ø 10,5 mm max. 5 x 1.5$^\square$
Connection terminal 2.5$^\square$
Earth conductor connection
LED power supply unit
220-240 V $\sim$ 0/50-60 Hz
DC 176-280 V
During DC operation the LED power
is reduced to 15 %
DALI-controllable
Basic insulation is provided between the mains
and control cables
BEGA Thermal Control®
Temporary thermal regulation to protect
temperature-sensitive components without
switching off the luminaire
Safety class I
$C\epsilon$ – Conformity mark
Weight: 2.4 kg
This product contains light sources of energy
efficiency class(es) D

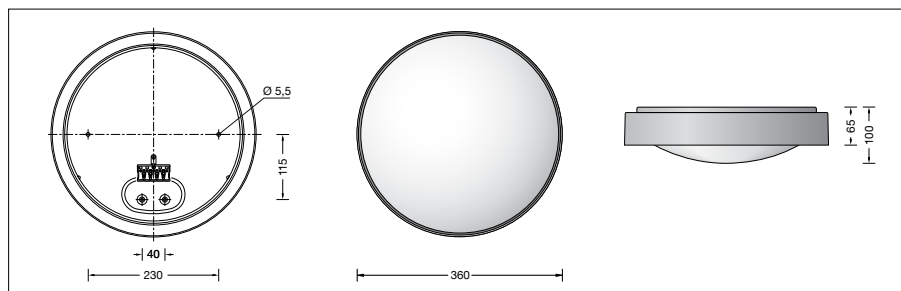### Inrush current
Inrush current: 28 A / 165 µs
Maximum number of luminaires of this
type per miniature circuit breaker:
B 10 A:	13 luminaires
B 16 A:	22 luminaires
C 10 A:	21 luminaires
C 16 A:	36 luminaires

Lamp
Module connected wattage	26.4 W
Luminaire connected wattage	29.4 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a\,max} = 50$ °C

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Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	3970 lm
Luminaire luminous flux	2803 lm
Luminaire luminous efficiency	95,3 lm / W

Service life · Ambient temperature
Rated temperature $t_a = 25$ °C
LED psu:	> 50,000 h
LED module:	195,000 h (L 80 B 50)
	50,000 h (L 90 B 50)

Ambient temperature max. $t_a = 50$ °C (100 %)
LED psu:	50,000 h
LED module:	120,000 h (L 80 B 50)
	50,000 h (L 90 B 50)

Lighting technology
Luminaire data for the DIALux lighting design
program for outdoor lighting, street lighting
and indoor lighting, as well as luminaire data in
EULUMDAT and IES format are available on the
BEGA website at www.bega.com.

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Inside colour options:
• White	Code number .1
• Matt aluminium	Code number .2
• Matt brass	Code number .4
• Matt copper	Code number .6