

BEGA**51 254.1**

Recessed ceiling downlight for indoor use



Project · Reference number

Date

Product data sheet

Application

Recessed ceiling luminaire · indoor luminaire with adjustable broad spread light distribution. With external DALI controllable power supply unit for installation into concrete ceilings or suspended ceilings.

Product description

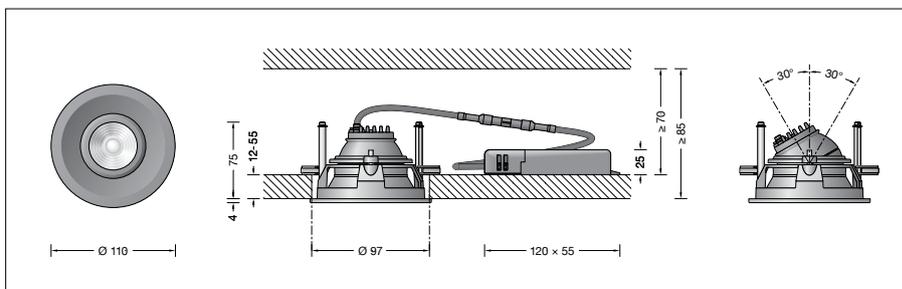
Recessed ceiling downlights with external PSU
Luminaire made of aluminium alloy, aluminium and stainless steel
Metal ceiling frame ring, Colour velvet white
Clear safety glass
Reflector surface made of pure aluminium
Optical silicone lens · BEGA Constant Optics®
Luminaire housing with 2 fixing claws and guide screws
Recessed opening \varnothing 97 mm
Required installation depth 85 mm
1 connecting cable with strain relief and plug connector system for BEGA DALI-power supply unit
External LED power supply unit 350 mA
220-240 V \sim 0/50-60 Hz
DC 176-280 V
DALI controllable
A basic isolation exists between power cable and control line
Safety class II 
CE – Conformity mark
Weight: 0.6 kg
This product contains light sources of energy efficiency class(es) E

Inrush current

Inrush current: 5 A / 50 μ s
Maximum number of luminaires of this type per miniature circuit breaker:
B 10A: 31 luminaires
B 16A: 50 luminaires
C 10A: 52 luminaires
C 16A: 85 luminaires

Light technique

Recessed luminaire with adjustable optical system, 0-30° swivel-mounted and \pm 180° infinitely rotatable.
Broad spread light distribution.
Half beam angle 58°
The symmetrical light cone can be modified to resemble flat beam light distribution for special lighting applications by replacing the cover glass. Luminaire data for the light planning program DIALux 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.



Lamp

Module connected wattage	3.8 W
Luminaire connected wattage	5.8 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 40^\circ\text{C}$
When installed in heat-insulating material	$t_{a\text{max}} = 25^\circ\text{C}$

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Module designation	LED-1164/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	515 lm
Luminaire luminous flux*	330 lm
Luminaire luminous efficiency*	56,9 lm/W

* preliminary data

Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	200,000 h (L 80 B 50)
	50,000 h (L 90 B 50)
Ambient temperature max. $t_a = 40^\circ\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	200,000 h (L 80 B 50)
	50,000 h (L 90 B 50)

Accessories

10 440 Installation housing
10 013 Exchangeable lens flat beam

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