

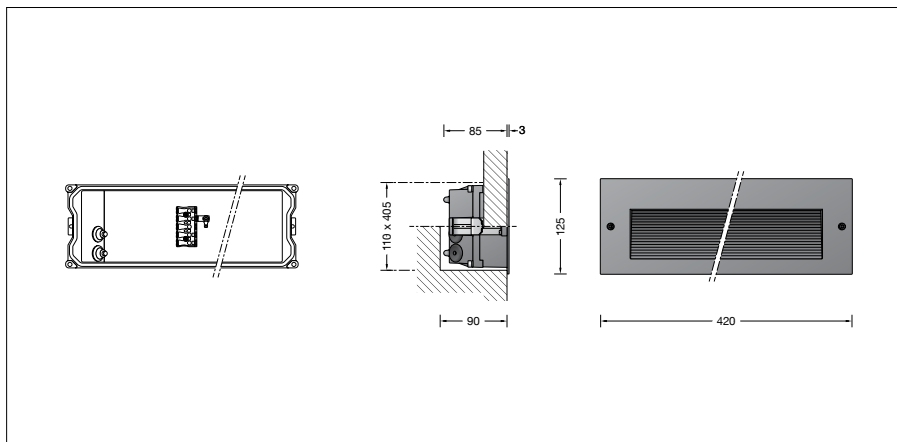
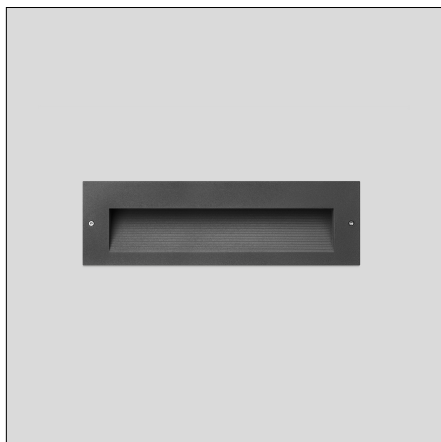
BEGA**24 883**

Recessed luminaire



Project · Reference number

Date



Product data sheet

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Tricoat® coating technology
Clear safety glass
Silicone gasket
Reflector surface made of pure aluminium
Fixing is achieved by using two adjustable
wedge-shaped claws
Required recessed opening 405 x 110 mm
Recessed depth 90 mm
2 cable entries for through-wiring of mains
supply cable ø 7-10.5 mm, max. 5 G 1.5[□]
Connecting terminal and
earth conductor terminal 2.5[□]
BEGA Ultimate Driver®
Complies with flicker requirements in
accordance with IEEE 1789,
DIN IEC/TR 63158, DIN IEC/TR 61547-1
LED power supply unit
220-240 V ~ 0/50-60 Hz
DC 176-264 V
DALI-controllable
Number of DALI addresses: 1
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
Protection class IP 65
Dust-tight and protection against water jets
Impact strength IK09
Protection against mechanical
impacts < 10 joule
10 – Safety mark
CE – Conformity mark
Weight: 2.4 kg
This product contains light sources of energy
efficiency class(es) C

Application

Recessed wall luminaire with light directed
downwards, for flush or surface mounting
installation.
Luminaire for the uniform and glare-free
illumination of ground surfaces.

Lamp

Module connected wattage	16 W
Luminaire connected wattage	18 W
Module designation	LED-1608/83040
Colour rendering index	CRI > 80
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 40\text{ °C}$
When installed in heat-insulating material	$t_{a\text{ max}} = 35\text{ °C}$

On request we can offer you modifications for
environments with higher temperatures as a
customized product.

The colour temperature of the luminaire can be
set optionally to 3000 K (factory setting) and
4000 K.

Operation at colour temperature	3000 K
Module luminous flux	2795 lm
Luminaire luminous flux	1503 lm
Luminaire luminous efficiency	83,5 lm/W

Operation at colour temperature	4000 K
Module luminous flux	2835 lm
Luminaire luminous flux	1524 lm
Luminaire luminous efficiency	84,7 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	
LED psu:	> 50,000 h
LED module:	190,000 h (L80 B50)

Ambient temperature max. $t_a = 40\text{ °C}$ (100 %)	
LED psu:	50,000 h
LED module:	140,000 h (L80 B50)

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.

Inrush current

Inrush current: 5 A / 100 µs
Maximum number of luminaires of this
type per miniature circuit breaker:
B 10A: 56 luminaires
B 16A: 90 luminaires
C 10A: 56 luminaires
C 16A: 90 luminaires

Dark Sky

For installation with light emission downwards,
the light from this luminaire is directed evenly
and highly efficiently onto the surface to be
illuminated. No light is emitted at all into the
upper half-space of the luminaire.

Ratio of luminous flux

Luminous flux upper half-space	0,1 %
Luminous flux lower half-space	99,9 %

BUG rating according to IES TM-15-20:
1-0*-1

CEN Flux Code according to EN 13032-2:
15-64-93-100-100

* The measured value above 90° including stray
light (reflection on the luminaire housing) is U1.
However, the luminaire does not emit direct
light upwards - due to the upper luminous flux
component (less than 0.5%), the value U0 is
assigned. Further information on request.

BEGA Tricoat®

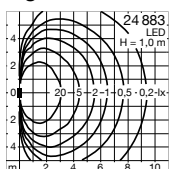
BEGA Tricoat® is a protected trademark for
a technology that we use in order to achieve
optimal corrosion resistance. These carefully
coordinated inorganic and organic coating
processes applied to extremely resistant alloys
ensure the best possible surface protection and
outstanding corrosion resistance.

Accessories

- 10 437** Installation housing for recessed
installation in walls made of concrete
or plastered brickwork
13 523 Installation housing for installation in
insulated façades (EWIS)
10 037 Plaster frame surface-mounted
13 507 Plaster frame flush

A separate instructions for use can be provided
upon request.

Light distribution



Article No. 24 883

Colour graphite or silver
graphite – article number
silver – article number + **A**