BEGA

24 884

Recessed luminaire

10 IP 65

Project · Reference number	Date
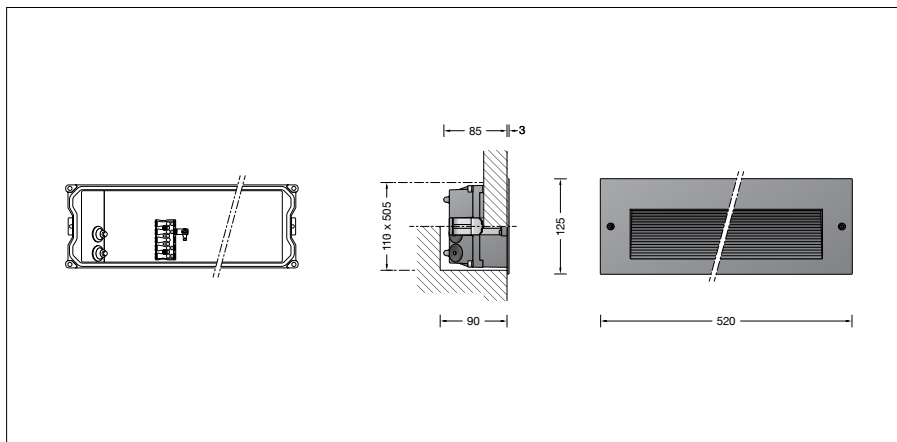
Product data sheet

Product description
Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Tricoat® coating technology
Clear safety glass
Reflector surface made of pure aluminium
Fixing is achieved by using two adjustable
wedge-shaped claws
Required recessed opening 505 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 IK10
Protection against mechanical
impacts < 20 joule
10 – Safety mark
CE – Conformity mark
Weight: 2.7 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	20.1 W
Luminaire connected wattage	22.5 W
Module designation	LED-1609/83040
Colour rendering index	CRI > 80
Rated temperature	$t_a = 25\ °C$
Ambient temperature	$t_{a\,max} = 45\ °C$
When installed in heat-insulating material	$t_{a\,max} = 40\ °C$

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	3495 lm
Luminaire luminous flux	1769 lm
Luminaire luminous efficiency	78,6 lm / W

Operation at colour temperature	4000 K
Module luminous flux	3545 lm
Luminaire luminous flux	1795 lm
Luminaire luminous efficiency	79,8 lm / W

Service life · Ambient temperature
Rated temperature t_a = 25 °C
LED psu:	> 50,000 h
LED module:	180,000 h (L 80 B 50)

Ambient temperature max. t_a = 45 °C (100 %)
LED psu:	50,000 h
LED module:	120,000 h (L 80 B 50)

Ambient temperature max. t_a = 50 °C (87 %)
LED psu:	> 50,000 h
LED module:	> 50,000 h (L 70 B 50)

BEGA Thermal Control® protects temperature-
sensitive luminaire components by
temporarily limiting the nominal power at high
temperatures.

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.

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 %
Luminous flux lower half-space	100 %

BUG rating according to IES TM-15-20:
1 – 0* – 1
CEN Flux Code according to EN 13032-2:
10 – 55 – 92 – 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.

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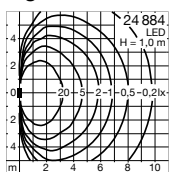type per miniature circuit breaker:
B 10A:	56 luminaires
B 16A:	90 luminaires
C 10A:	56 luminaires
C 16A:	90 luminaires

Light distribution

Accessories

10 438 nstallation housing for recessed installation in walls made of concrete or plastered brickwork

13 524 Installation housing for installation in insulated façades (EWIS)

10 038 Plaster frame surface-mounted
13 508 Plaster frame flush

A separate instructions for use can be provided upon request.

Article No. 24 884
Colour graphite or silver
graphite – article number
silver – article number + **A**