

BEGA**24 398**

Ceiling mounted downlight



Project · Reference number

Date

Product data sheet

Application

Compact downlight with symmetrical narrow beam light distribution.

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Unidure® coating technology
Matt safety glass
Silicone gasket
Reflector surface made of pure aluminium
Optical silicone lens · BEGA Hybrid Optics®
2 mounting holes \varnothing 4.3mm
Distance apart 76mm
1 cable entry for mains supply cable
up to \varnothing 10,5mm
Connection terminal 2.5[□]
Earth conductor connection
BEGA Ultimate Driver®
LED power supply unit
220-240 V \sim 0/50-60 Hz
DC 176-264 V
BEGA Thermal Switch®
Temporary thermal shutdown to protect
temperature-sensitive components
Safety class I
Protection class IP 65
Dust-tight and protection against water jets
Impact strength IK07
Protection against mechanical
impacts < 2 joule
 – Safety mark
 – Conformity mark
Weight: 0.75 kg
This product contains light sources of energy
efficiency class(es) C, D

Inrush current

Inrush current: 7.8 A / 112 μ s
Maximum number of luminaires of this
type per miniature circuit breaker:

B 10A: 38 luminaires
B 16A: 61 luminaires
C 10A: 64 luminaires
C 16A: 102 luminaires

Lamp

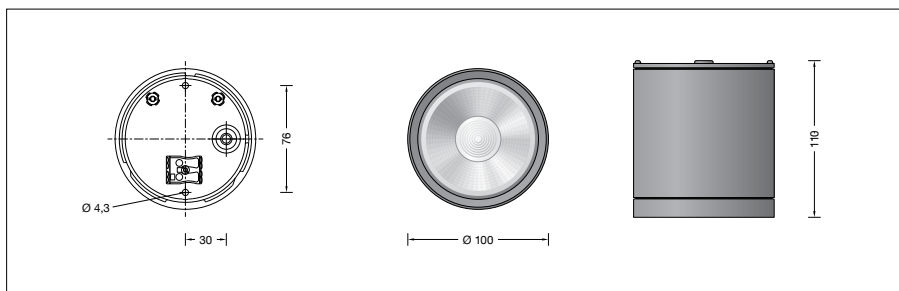
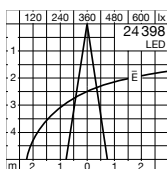
Module connected wattage 3.9 W
Luminaire connected wattage 5 W
Rated temperature $t_a = 25^\circ\text{C}$
Ambient temperature $t_{a\text{ max}} = 50^\circ\text{C}$

24 398 K3

Module designation LED-1029/830
Colour temperature 3000 K
Colour rendering index CRI > 80
Module luminous flux 645 lm
Luminaire luminous flux 482 lm
Luminaire luminous efficiency 96,4 lm/W

24 398 K4

Module designation LED-1029/840
Colour temperature 4000 K
Colour rendering index CRI > 80
Module luminous flux 685 lm
Luminaire luminous flux 512 lm
Luminaire luminous efficiency 102,4 lm/W

Light distribution**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)
100,000 h (L 90 B 50)

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

Lighting technology

Half beam angle 17°
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 our
website at www.bega.com.

Ratio of luminous flux

Luminous flux upper half-space 0 %
Luminous flux lower half-space 100 %

BUG rating according to IES TM-15-07:
1-0-0

CEN Flux Code according to EN 13032-2:
97-100-100-100

BEGA Hybrid Optics®

BEGA Hybrid Optics® offers complete
lighting control thanks to optimum refraction
and reflection. Precisely calculated reflectors
with a surface made of pure aluminium and
lenses made of ultra-clear silicone or glass
capture nearly every beam of light from the
LED modules. The interplay between lens
and reflector technologies achieves maximum
application efficiency.

Article No. 24 398

LED colour temperature optionally 3000 K
or 4000 K

3000 K – Article number + **K3**
4000 K – Article number + **K4**

Colour optionally graphite or white
Graphite – Article number
White – Article number + **W**