

BEGA**84 269**

In-ground luminaire



Project · Reference number

Date

Product data sheet

Application

In-ground luminaire with half-sided light sector.
For recessed mounting in compacted surfaces,
paths and places.
An orientation and indication luminaire also for
marking peril points.
Drive-over luminaire for vehicles with pneumatic
tyres.

Please note:

Luminaire must not be used for installation in
road lanes, where the fixture is exposed to a
horizontal strain due to braking, acceleration
and change of direction.

Product description

Luminaires and installation housings made of
highly corrosion-resistant aluminium
BEGA Tricoat® coating technology
Ring made of glass fibre reinforced synthetic
material
Borosilicate glass
Reflector surface made of pure aluminium
Optical silicone lens · BEGA Hybrid Optics®
Recess housing with cable entries for cable
conduit, max \varnothing 20 mm
1,8 m water-resistant connecting cable
07RN8-F 5 G 1[□] with implemented water
stopper and 1.2 m PVC cable conduit
BEGA Ultimate Driver®
LED power supply unit
220-240 V ~ 0/50-60 Hz
DC 176-264 V
DALI controllable
A basic isolation exists between power cable
and control line
BEGA Thermal Control®
Temporary thermal regulation to protect
temperature-sensitive components without
switching off the luminaire
Safety class I
Protection class IP 67
Dust-tight and protection against temporary
immersion
Pressure load 4,000 kg (~40 kN)
Impact strength IK10
Protection against mechanical
impacts < 20 joule
Maximum surface temperature 30 °C
(measured according to EN 60598 of ta 15 °C)

CE – Conformity mark

10 DE – Safety mark

Weight: 5.9 kg

This product contains light sources of energy
efficiency class(es) D

Inrush current

Inrush current: 5 A / 100 μ s

Maximum number of luminaires of this
type per miniature circuit breaker:

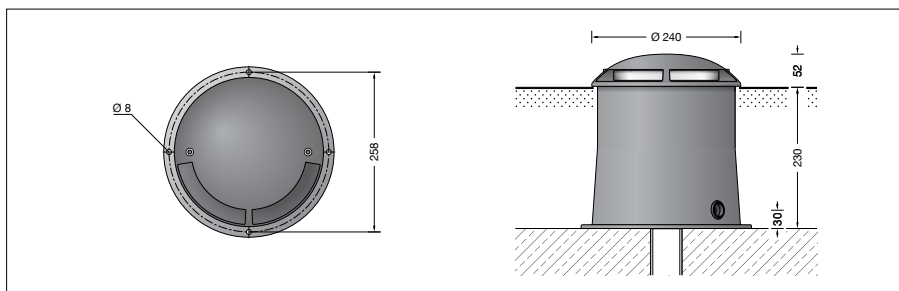
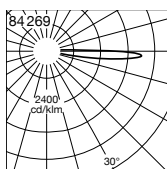
B 10 A: 56 luminaires

B 16 A: 90 luminaires

C 10 A: 56 luminaires

C 16 A: 90 luminaires

Light distribution



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.

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.

Light technique

The optical system of the luminaire directs the
light in a concentrated way horizontally to the
lamp axis.

This results in a glare free illumination of the
surface from lowest height.

The angle of reflected beam is 180°.

Accessories

70 730 Distribution box with 7 cable entries
Connection terminals 5 x 4[□]

A separate instructions for use can be provided
upon request.

Article No. 84 269

LED colour temperature optionally 2700 K,
3000 K or 4000 K

2700 K – Article number + **K27**

3000 K – Article number + **K3**

4000 K – Article number + **K4**

Lamp

Module connected wattage	12 W
Luminaire connected wattage	14 W
Rated temperature	t _a = 25 °C
Ambient temperature	t _{a max} = 50 °C
When installed in heat-insulating material	t _{a max} = 45 °C

Service life · Ambient temperature

Rated temperature t _a	= 25 °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 °C (100 %)
LED psu:	50,000 h
LED module:	> 200,000 h (L 80 B 50)
	100,000 h (L 90 B 50)

84 269 K27

Module designation	LED-1008/827
Colour temperature	2700 K
Colour rendering index	CRI > 80
Module luminous flux	1620 lm
Luminaire luminous flux	322 lm
Luminaire luminous efficiency	23 lm/W

84 269 K3

Module designation	LED-1008/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	1725 lm
Luminaire luminous flux	343 lm
Luminaire luminous efficiency	24,5 lm/W

84 269 K4

Module designation	LED-1008/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	1860 lm
Luminaire luminous flux	370 lm
Luminaire luminous efficiency	26,4 lm/W