

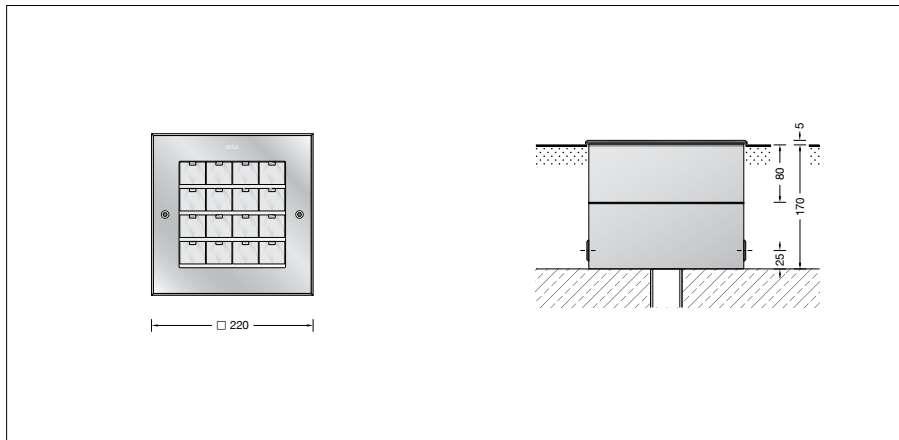
**BEGA****84 278**

In-ground luminaire

IP 67

Project · Reference number

Date



## Product data sheet

**Product description**

Luminaires and installation housings made of highly corrosion-resistant aluminium BEGA Tricoat® coating technology  
Frame made of glass fibre reinforced synthetic material

Cover frame made of stainless steel, steel grade number 1.4301

Recess housing with cable entry for cable conduit, max  $\varnothing$  20 mm

Clear safety glass

Reflector surface made of pure aluminium BEGA Vortex Optics®

1,8 m water-resistant connecting cable 07RN8-F 5 G 1<sup>□</sup> with implemented water stopper and 1.2 m PVC cable conduit

LED power supply unit

220-240 V  $\sim$  0/50-60 Hz

DC 170-280 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 5,000 kg (~50 kN)

Impact strength IK10

Protection against mechanical impacts < 20 joule

CE – Conformity mark

Weight: 7.3 kg

**Application**

LED floodlight with asymmetrical wide beam light distribution. For recessed mounting in compacted surfaces, paths and places.

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.

For walk-through public areas, we recommend skid-blocking glass – see accessories.

**Lamp**

Module connected wattage	31.4 W
Luminaire connected wattage	35.3 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 40\text{ °C}$

**84 278 K3**

Module designation	LED-1020/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	5780 lm
Luminaire luminous flux	2695 lm
Luminaire luminous efficiency	76,3 lm/W

**84 278 R K3**

Module designation	LED-1020/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	5780 lm
Luminaire luminous flux	2173 lm
Luminaire luminous efficiency	61,6 lm/W

**84 278 K4**

Module designation	LED-1020/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	6105 lm
Luminaire luminous flux	2847 lm
Luminaire luminous efficiency	80,7 lm/W

**84 278 R K4**

Module designation	LED-1020/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	6105 lm
Luminaire luminous flux	2295 lm
Luminaire luminous efficiency	65 lm/W

**Inrush current**

Inrush current: 5 A / 50  $\mu$ 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

**Lighting technology**

Half beam angle 39/50°

Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and interior lighting as well as luminaire data in EULUMDAT and IES format are available on our website [www.bega.com](http://www.bega.com).

**Service life · Ambient temperature**

Rated temperature  $t_a = 25\text{ °C}$

LED psu: > 50,000 h

LED module: 195,000 h (L.80 B50)

Ambient temperature  $t_{a\text{ max}} = 40\text{ °C}$  (100 %)

LED psu: 50,000 h

LED module: 180,000 h (L.80 B50)

**Article No. 84 278**

LED colour temperature optionally 3000 K or 4000 K

3000 K – Article number + **K3**

4000 K – Article number + **K4**

We supply this luminaire with skid-blocking glass which is denoted by **R** after the article number.

**Accessories**

**14001408R** Skid-blocking glass in accordance with EN ISO 51130 R13  
Surface abrasion in accordance with EN ISO 10545-7:

Category II

Anti-slip protection in accordance with DIN 51097 Class C

Distribution box for installation in soil

**70 730** Distribution box with 7 cable entries  
Connection terminals 5 x 4<sup>□</sup>

**71 053** Distribution box with 10 cable entries  
Connection terminals 6 x 16<sup>□</sup>

A separate instructions for use can be provided upon request.

**Light distribution**