

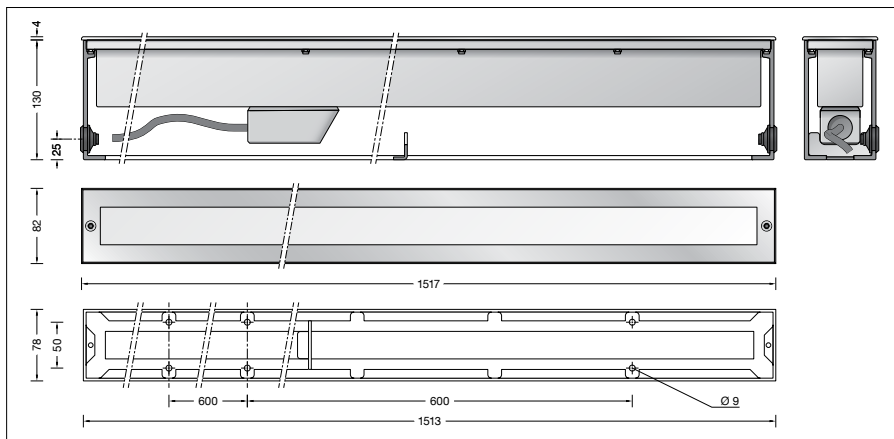
**BEGA****84 167**

In-ground luminaire



Project · Reference number

Date



## Product data sheet

### Product description

Luminaire made of aluminium alloy,  
aluminium and stainless steel  
Cover frame made of stainless steel,  
steel grade number 1.4301  
Recess housing with cable entry for cable  
conduit, max  $\varnothing$  20mm  
Matt safety glass  
BEGA Vortex Optics®  
Reflector surface made of pure aluminium  
1,8m water-resistant connecting cable  
07RN8-F 5 G 1<sup>□</sup> with implemented water  
stopper and 1.2m PVC cable conduit  
LED power supply unit  
220-240 V  $\sim$  0/50-60 Hz  
DC 176-276 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 1,000 kg (~10 kN)  
Impact strength IK09  
Protection against mechanical  
impacts < 10 joule  
Maximum surface temperature 25 °C  
(measured according to EN 60598 of  $t_a$  15 °C)  
**CE** – Conformity mark  
 – Safety mark  
Weight: 14.5 kg  
This product contains light sources of energy  
efficiency classes C

### Application

Floodlight with symmetrical 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.

### Lamp

Module connected wattage	47.4 W
Luminaire connected wattage	53.4 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 45$ °C
When installed in heat-insulating material	$t_{a \max} = 40$ °C

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

### 84 167 K27

Module designation	6x LED-0771/827
Colour temperature	2700 K
Colour rendering index	CRI > 80
Module luminous flux	8580 lm
Luminaire luminous flux	5548 lm
Luminaire luminous efficiency	103,9 lm/W

### 84 167 K3

Module designation	6x LED-0771/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	8850 lm
Luminaire luminous flux	5723 lm
Luminaire luminous efficiency	107,2 lm/W

### 84 167 K4

Module designation	6x LED-0771/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	9090 lm
Luminaire luminous flux	5885 lm
Luminaire luminous efficiency	110,2 lm/W

### Inrush current

Inrush current: 20 A / 240  $\mu$ s  
Maximum number of luminaires of this  
type per miniature circuit breaker:  
B 10A: 12 luminaires  
B 16A: 20 luminaires  
C 10A: 12 luminaires  
C 16A: 20 luminaires

### Service life · Ambient temperature

Rated temperature  $t_a = 25$  °C  
LED psu: > 50,000 h  
LED module: 137,000 h (L 80 B 50)

Ambient temperature max.  $t_a = 45$  °C (100 %)  
LED psu: 50,000 h  
LED module: 42,000 h (L 80 B 50)  
64,000 h (L 70 B 50)

### Lighting technology

Half beam angle 55°  
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](http://www.bega.com).

### BEGA Vortex Optics®

BEGA Vortex Optics® features newly  
developed twisted reflectors with a surface  
made of pure aluminium.  
The more intense concentration of the light  
enables perfect light deflection.  
This makes it possible to achieve optimal light  
distribution without artefacts.  
Thanks to excellent glare control, BEGA Vortex  
Optics® offers outstanding visual comfort.  
The interaction with the LED modules produces  
extraordinary lighting results.

### Accessories

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>

### Article No. 84 167

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**

### Light distribution

