

**BEGA****24 816**

Surface washer



Project · Reference number

Date

## Product data sheet

### Application

LED surface washer with asymmetrical light distribution for the spatial illumination of surfaces. For the illumination of ceilings, walls and ground surfaces.

The adjustability of the direction of the beam allows the luminaires to be oriented towards the requirements of the lighting situation.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel  
 BEGA Unidure® coating technology  
 Clear safety glass  
 Reflector made of pure anodised aluminium  
 Swivel range around the horizontal axis  
 +90° to -30° in increments of 10°  
 Mounting plate with 3 fixing holes ø 5.5 mm  
 Angle 120° · Pitch circle ø 85 mm  
 2 cable entries for through-wiring of mains supply cable ø 7-10.5 mm, max. 5G1.5<sup>□</sup>  
 Connecting terminal 2.5<sup>□</sup> with plug connection  
 Earth conductor connection  
 LED power supply unit  
 220-240 V ~ 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 65  
 Dust-tight and protection against water jets  
 Impact strength IK10  
 Protection against mechanical impacts < 20 joule  
 – Safety mark  
 – Conformity mark  
 Weight: 5.2 kg

### Lamp

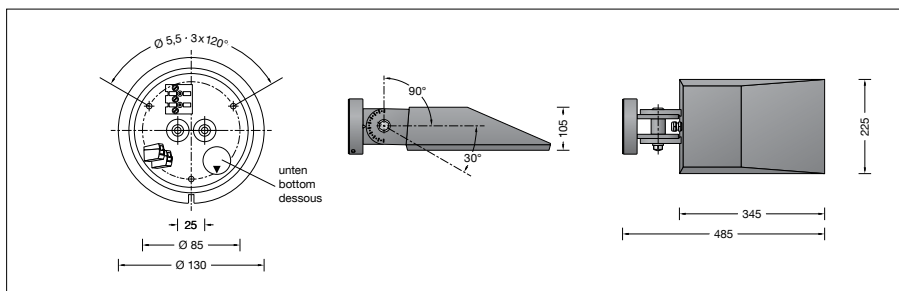
Module connected wattage 55.3 W  
 Luminaire connected wattage 61 W  
 Rated temperature  $t_a = 25\text{ °C}$   
 Ambient temperature  $t_{a\text{ max}} = 25\text{ °C}$

### 24 816 K4

Module designation LED-0773/840  
 Colour temperature 4000 K  
 Colour rendering index CRI > 80  
 Module luminous flux 7620 lm  
 Luminaire luminous flux 6674 lm  
 Luminaire luminous efficiency 109,4 lm/W

### 24 816 K3

Module designation LED-0773/830  
 Colour temperature 3000 K  
 Colour rendering index CRI > 80  
 Module luminous flux 7620 lm  
 Luminaire luminous flux 6674 lm  
 Luminaire luminous efficiency 109,4 lm/W



### Service life · Ambient temperature

Rated temperature  $t_a = 25\text{ °C}$   
 LED psu: > 50,000h  
 LED module: 83,000h (L80B50)  
 100,000h (L70B50)

Ambient temperature  $t_{a\text{ max}} = 25\text{ °C}$  (100 %)  
 LED psu: 50,000h  
 LED module: 83,000h (L80B50)  
 100,000h (L70B50)

### Light technique

Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting as well as luminaire data in EULUMDAT- and IES-format you will find on the BEGA web page [www.bega.com](http://www.bega.com).

### Inrush current

Inrush current: 10 A / 200  $\mu$ s  
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B10A: 19 luminaires  
 B16A: 30 luminaires  
 C10A: 31 luminaires  
 C16A: 51 luminaires

### Article No. 24 816

LED colour temperature optionally 4000K or 3000K  
 4000 K – Article number + **K4**  
 3000 K – Article number + **K3**

Colour graphite or silver  
 graphite – article number  
 silver – article number + **A**

### Light distribution

