

BEGA**24 415**

Ceiling mounted downlight

IP 65

Project · Reference number

Date

Product data sheet

Application

LED hall downlights with asymmetrical wide beam light distribution for the illumination of large and tall rooms such as departure halls, factories, sports halls and auditoriums.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Clear safety glass
 Silicone gasket
 Reflector surface made of pure aluminium
 2 stainless steel mounting rails for installation on existing on-site structures
 or
 Mounting with mounting frame **13575** under ceilings and cantilever plates or from high ceilings with steel cable set **13582** (see accessories)
 Connection box with 2 cable entries for through-wiring of the mains supply cable from \varnothing 5-13 mm, max. $5 \times 2,5^2$
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 164-276 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
 ⚡ Ballproof according to DIN VDE 0710 part 13
 Protection class IP 65
 Dust-tight and protection against water jets
 Impact strength IK08
 Protection against mechanical impacts < 5 joule
 CE – Conformity mark
 Weight: 15.0 kg

Lamp

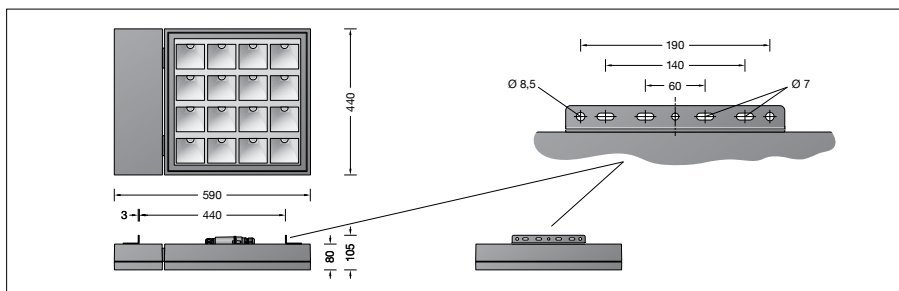
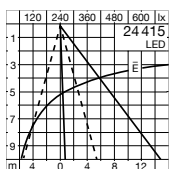
Module connected wattage	152.8 W
Luminaire connected wattage	170 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 50^\circ\text{C}$

24 415 K3

Module designation	4x LED-1000/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	27560 lm
Luminaire luminous flux	15496 lm
Luminaire luminous efficiency	91,2 lm/W

24 415 K4

Module designation	4x LED-1000/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	28380 lm
Luminaire luminous flux	15957 lm
Luminaire luminous efficiency	93,9 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 (L80 B50) 100,000 h (L90 B50)

Ambient temperature $t_{a\text{max}} = 50^\circ\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	145,000 h (L80 B50)

Light technique

Asymmetrical wide beam light distribution
 Half beam angle 59/56°
 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 are available on the BEGA website at www.bega.com.

Inrush current

Inrush current: 122 A / 170 μs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B10A: 3 luminaires
 B16A: 5 luminaires
 C10A: 3 luminaires
 C16A: 5 luminaires

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

Accessories

13575 Mounting frame
13582 Steel cable set

A separate instructions for use can be provided upon request.