

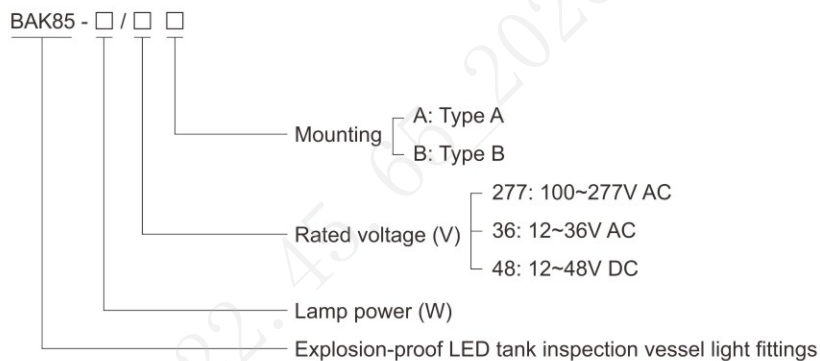
Local, Caution Spotlight Fittings

BAK85 Series Explosion-proof LED Tank Inspection Vessel Light Fittings



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- ◆ Applicable lamp and power:
 - LED lamps, energy-saving and long service life.
- ◆ Enclosure in Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021).

■ Catalogue number logic



■ Selection table

Type/Ordering code	Lamp power (W)	Rated voltage (V)	Weight (kg)
BAK85-9/277A	9	100~277V AC 50/60Hz	2.20
BAK85-9/36A		12~36V AC	
BAK85-9/48A		12~48V DC	
BAK85-9/277B	9	100~277V AC 50/60Hz	2.10
BAK85-9/36B		12~36V AC	
BAK85-9/48B		12~48V DC	

Zones 1&2; 21&22

Local, Caution Spotlight Fittings

BAK85 Series Explosion-proof LED Tank Inspection Vessel Light Fittings

Technical data

Explosion-proof LED tank inspection vessel light fittings BAK85-□/□

Explosion protection

Global (IECEX)

Gas and dust

IECEX TPS 18.0011X

Ex db op is IIC T6 Gb

Ex tb op is IIIC T80°C Db

Europe (ATEX)

TPS 18 ATEX 089761 0007X

Gas and dust

Ex II 2 G Ex db op is IIC T6 Gb

Ex II 2 D Ex tb op is IIIC T80°C Db

Certificates

IECEX; ATEX

Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-28, EN 60079-31

IEC 60079-0, IEC 60079-1, IEC 60079-28, IEC 60079-31

Material

Enclosure

Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)

Glass cover

Toughened glass, stands 4J impact

LED driver

Wide voltage input, CC-CV (constant current - constant voltage) output, power factor ≥ 0.95 , with protection against circuit and anti-electromagnetic interference, etc.

Exposed fastener

Stainless steel

Lamp

Lamp specification

International brand of LED module

Lamp power (W)

9W

Colour Temperature (CCT)

5700K

Note: cool white is available in general. Warm white or nature white is optional, please specify when ordering.

Rated voltage

100~277V AC 50/60Hz

100~250V DC

12~36V AC 50/60Hz

12~48V DC

Earthing protection

M5 (internal & external earth bolts)

Degree of protection

IP66/IP67

Ambient temperature

-40°C~+55°C

Terminal

3×1.5~2.5mm² (L+N+PE)

Cable entries

M20×1.5

Cable gland

Supplied with seal gasket and gland nut

Applicable cable outer diameter

Φ6~Φ12 (mm)



Dimension drawings (all dimensions in mm) - subject to alteration

