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, 9W
- Enclosure in Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021).

Catalogue number logic

BAK85 - □/□

- Rated voltage (V)
  - 277: 100~277V AC
  - 36: 12~36V AC
  - 48: 12~48V DC
- Lamp power (W)
- Explosion-proof LED tank inspection vessel light fittings

Selection table

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

Zones 1&2; 21&22

Supplied By
inatex.
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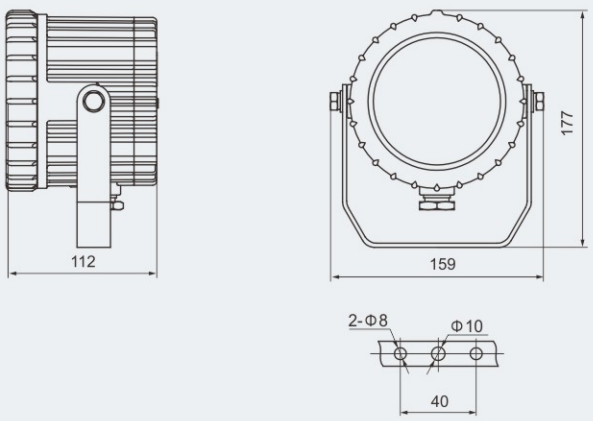
Technical data

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

Explosion protection	
Global (IECEx)	IECEx TPS 18.0011X
Gas and dust	Ex db op is IIC T6 Gb Ex tb op is IIIC T80℃ Db IP66/IP67
Europe (ATEX)	TPS 18 ATEX 089761 0007X
Gas and dust	Ⓔx II 2 G Ex db op is IIC T6 Gb Ⓔx II 2 D Ex tb op is IIIC T80℃ Db IP66/IP67
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 12~48V DC
Earthing protection	M5 (internal & external earth bolts)
Degree of protection	IP66/IP67
Ambient temperature	-40℃~+55℃
Terminal	3 x 1.5~2.5mm² (L+N+PE)
Cable entries	M20 x 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



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