Street Lamps
BAM52 Series Explosion-proof LED Street Lamps
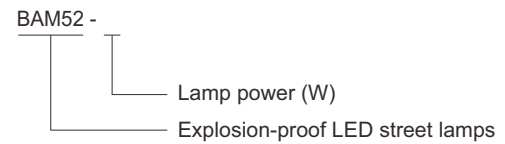
Explosion protection to
-CENELEC
-IEC
-NEC
Can be used in
Zone 2
Zone 21 and Zone 22
Please refer to mounting schematic diagram to select right lamp and mounting types on request of job site.
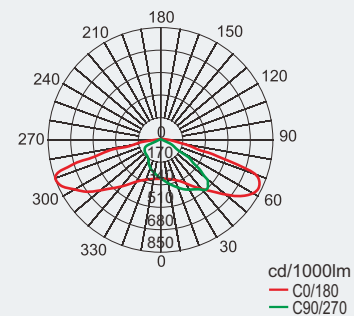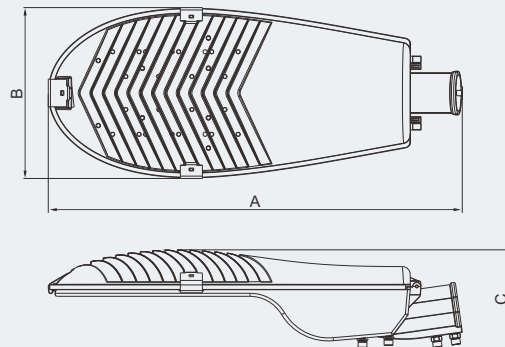Please refer to this catalogue for detailed technical data and ordering information of each light fitting.
The street lamp is supplied without pole; please specify when ordering.

Catalogue number logic

BAM52 -

Lamp power (W)

Explosion-proof LED street lamps

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

cd/1000lm
— C0/180
— C90/270

Type/Ordering code	Size(mm)			Weight (kg)	Rated luminous flux
	A	B	C		
BAM52-60	655	268	150	4.7	7200lm
BAM52-80					9600lm
BAM52-100	752	310	178	7.4	12000lm
BAM52-120				7.5	14400lm
BAM52-150	863	359	199	10.7	18000lm
BAM52-160					19200lm
BAM52-180				10.9	21600lm
BAM52-200					24000lm

We can provide lighting design and data by professional lighting software DIALUX based upon simulated site situation on request

Zones 2; 21&22
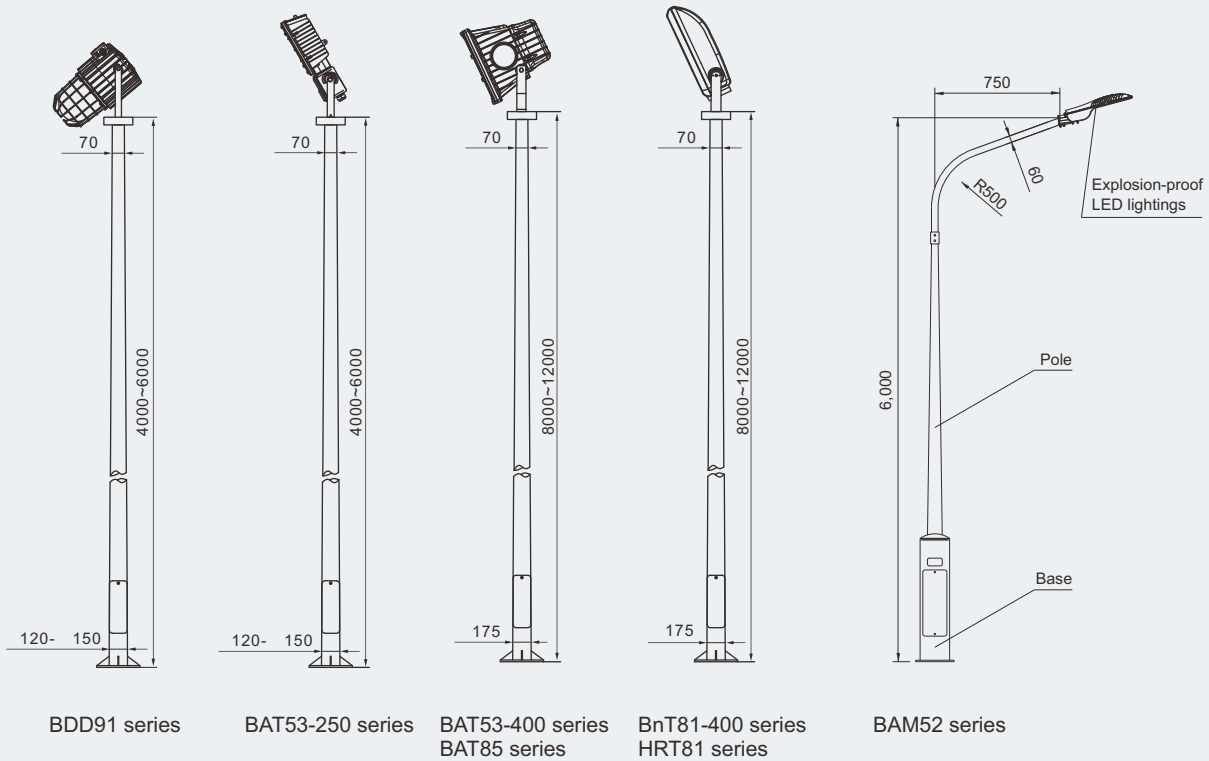
Technical data

Explosion-proof LED street lamps   BAM52-

Explosion protection

Global (IECEx)	IECEx CNEX 23.0002X
Gas and dust	Ex nR IIC T6...T5 Gc
	Ex tb IIIC T80℃...T95℃ Db
Europe (ATEX)	CNEX 23 ATEX 0004 X (gas); CNEX 23 ATEX 0005 X(dust)
Gas and dust	⟨Ex⟩ II 3 G Ex nR IIC T6...T5 Gc
	⟨Ex⟩ II 2 D Ex tb IIIC T80℃...T95℃ Db

Certificates   IECEx; ATEX

Conformity to standards   EN 60079-0, EN 60079-15, EN 60079-31
IEC 60079-0, IEC 60079-15, IEC 60079-31

Material

Enclosure	Aluminium Alloy, powder coated surface
Glass cover	Toughened glass, stands 4J impact
LED driver	Wide voltage input, CC-CV (constant current - constant voltage) output, power factor 0.95, with function of distributed current, constant current, surge-proof and anti-electromagnetic interference, and protection against overcurrent, open circuit, and short circuit
Exposed fastener	Stainless steel

Lamp

Lamp specification	LED module, Multiple LED
Lamp power (W)	60W, 80W, 100W, 120W, 150W, 160W, 180W, 200W
Colour Temperature (CCT)	Cool white: 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, 130~250V DC

Degree of protection   IP66

Ambient temperature   -40 ...+45 /+55

Terminal   3×1.5~4mm^2 (L+N+PE)

Mounting   street lamp type

Cable entries   1×M20×1.5 cable gland (DQM-I Ex e, metal unarmored)

Selection table for BAM52-

Type of production	Rated power	Ambient temperature / temperature classification			
		Ta≤+45℃		Ta≤+55℃	
BAM52-60	60W	--	--	T6	T80℃
BAM52-80	80W				
BAM52-100	100W				
BAM52-120	120W				
BAM52-150	150W	T6	T80℃	T5	T95℃
BAM52-160	160W				
BAM52-180	180W				
BAM52-200	200W				

Street Lamps
Explosion-proof Street Lamps

Mounting schematic diagram of platform type street lamp

70	70	70	70	750
4000~6000	4000~6000	8000~12000	8000~12000	6,000 R500 60
				Explosion-proof LED lightings
				Pole
				Base
120- 150	120- 150	175	175	
BDD91 series	BAT53-250 series	BAT53-400 series BAT85 series	BnT81-400 series HRT81 series	BAM52 series

Reference diagram of street lamp mounting base

280
280
280
24× 50

Mounting base
Used for: platform street lamp, the height of the pole: 6m to 9m

50
R12
(226)
320
(226)
320

Mounting base

Used for:
1. Bent arm type street lamp.
2. Platform type street lamp, the height of the pole: 10m to 12m.

Prepared bolt
Concrete
850
1000
G1 1/4"
Prepared wiring pipe
Strengthen steel frame
1200

Mounting base

WAROM