

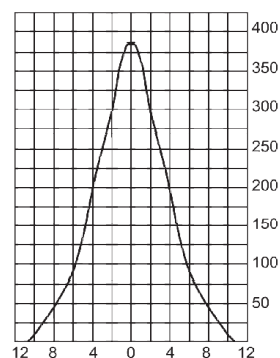
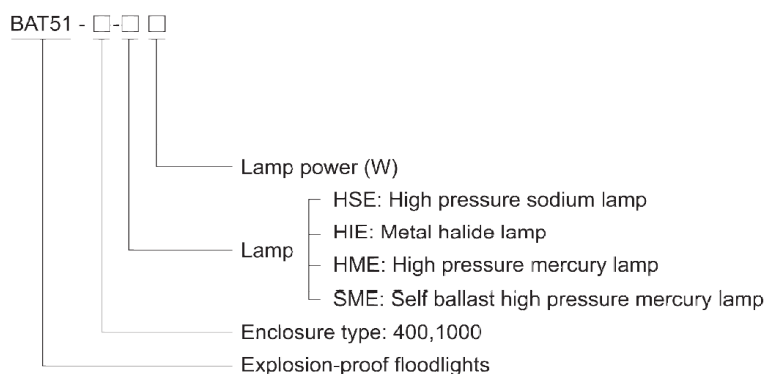
Floodlights

BAT51 Series Explosion-proof Floodlights



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- ◆ Available lamp of E40 lamp holder:
 - High pressure sodium lamp (HSE)
 - Metal halide lamp (HIE)
 - High pressure mercury lamp (HME)
 - Self ballast high pressure mercury lamp (SME)
- ◆ Two enclosure types: 400, 1000.
- ◆ Enclosure in copper-free aluminium, powder coated surface, yellow (RAL 1021).
- ◆ Installed on cradle to allow for all adjustments; adjustable in 60° or 90° .
- ◆ Toughened glass cover resistant to temperature changes.

Catalogue number logic



Luminous intensity distribution (cd/1000lm)

Selection table

Type/Ordering code	Available lamp power (W)				Weight (kg)
	HIE	HME	HSE	SME	
BAT51-400	175, 250, 400	175, 250, 400	150, 250, 400	250, 500	14.50
BAT51-1000	1000	-	1000	-	58.50

Note

1. 400 type light fittings are supplied without lamp and ballast. PHILIPS lamps are recommended.
2. 1000 type light fittings are supplied with lamp and ballast.
3. HPI European standard ballast is supplied with HIE light fitting. HPI European standard lamps are recommended.

Zones 1&2; 21&22

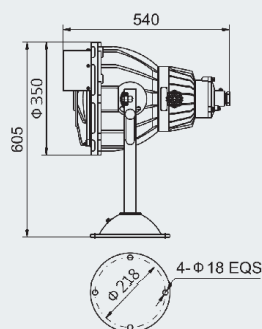
Floodlights

BAT51 Series Explosion-proof Floodlights

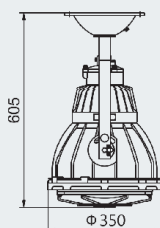
Technical data			
Explosion-proof floodlights	BAT51-400-□□		BAT51-1000-□□
Explosion protection			
Gas explosion protection	Ex II 2 G Ex d IIB T4(T3) Gb		Ex II 2 G Ex d IIB T2 Gb
Dust explosion protection	Ex II 2 D Ex tb IIIB T130°C(T190°C) Db IP65		Ex II 2 D Ex tb IIIB T290°C Db IP65
Certificates	PCEC (China); LCIE 15 ATEX_____		PCEC (China); LCIE 15 ATEX_____
Conformity to standards	EN 60079-0: 2012, EN 60079-1: 2007, EN 60079-31: 2009 IEC 60079-0: 2011, IEC 60079-1: 2007, IEC 60079-31: 2008		
Material			
Enclosure	Copper-free aluminium, powder coated surface, yellow (RAL1021)		
Wire guard	Powder coated carbon steel, white		
Transparent cover	Toughened glass, stands 4J impact		
Ballast	Electromagnetic ballast, rapid starting, stable performance		
Trigger	General trigger		
Capacitor	Power factor ≥ 0.90 (compensated)		
Internal reflector	High-purity aluminium		
Exposed fastener	Stainless steel		
Lamp	E40		
Lamp holder			
Lamp power (W)			
	Available lamp	Ex II 2 G Ex d IIB T4 Gb Ex II 2 D Ex tb IIIB T130°C Db IP65	Ex II 2 G Ex d IIB T3 Gb Ex II 2 D Ex tb IIIB T190°C Db IP65
	HIE	175W, 250W	400W 1000W
	HSE	150W, 250W	400W 1000W
	HME	175W, 250W	400W —
	SME	250W	500W —
Rated voltage	400W or below: 220~240V AC 50Hz (60Hz is optional) HIE/HSE 1000W: 230V AC 50Hz (60Hz is optional)		
Earthing protection	M5 (internal & external earth bolts)		
Degree of protection	IP65		
Ambient temperature	-20°C~+55°C		
Terminal	3 x 1.5~2.5mm ² (L+N+PE)		
Cable entries	BAT51-400 type: G3/4"; BAT51-1000 type: M25 x 1.5		
Cable gland	BAT51-400 type: with seal gasket and gland nut BAT51-1000 type: the cable between floodlight and ballast through BNG-M25 x 1.5(M)/M25 x 1.5 (M) explosion-proof flexible conduit (length: 1200 mm); One explosion-proof cable gland (DQM-II-M25 x 1.5 Ex d, brass, armored, cable wiring)		
Available cable outer diameter	Φ 10~Φ 14 (mm)		
Note	1. For BAT51-400 type: if HIE, HSE or HME lamp required, explosion-proof ballast shall not be supplied. BAZ51 series explosion-proof ballast is recommended (see P2/136~137 when ordering). 2. For BAT51-1000 type: explosion-proof ballast shall be supplied. 3. HPI European standard HIE lamp is recommended for HIE light fitting.		



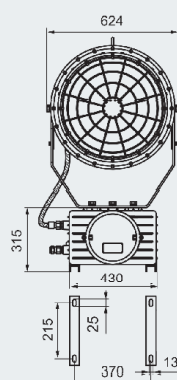
Dimension drawings (all dimensions in mm) - subject to alteration



BAT51-400 Horizontal type



BAT51-400 Ceiling type



BAT51-1000