

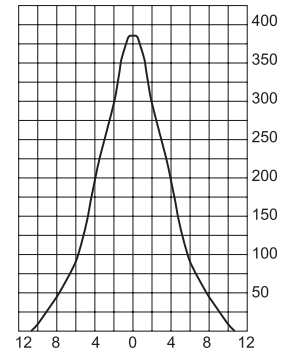
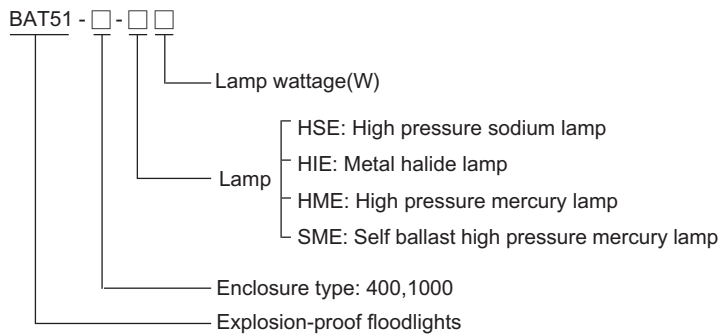


Floodlights

BAT51 Series Explosion-proof Floodlights

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in
Zone 1 and Zone 2
- ◆ 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 external surface, rape 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 wattage (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





Technical data																							
Explosion-proof floodlights	BAT51-400-□□	BAT51-1000-□□																					
Explosion protection Gas explosion protection	⊕ II 2 G Ex d IIB T4(T3)	⊕ II 2 G Ex d IIB T2																					
Certificates For gas explosion protection	PCEC (China)	PCEC (China)																					
Conformity to standards	IEC 60079-0:2004 , IEC 60079-1:2003																						
Material	Copper-free aluminium, powder coated external surface, rape yellow (RAL1021)																						
Enclosure	Powder coated carbon steel, white																						
Wire guard	Toughened glass, stands 4J impact																						
Transparent cover	Choke ballast, rapid starting, stable performance																						
Ballast	General trigger																						
Trigger	Power factor ≥ 0.85 (compensated)																						
Capacitor	High-purity aluminium																						
Internal reflector	Stainless steel																						
Exposed fastener																							
Lamp	E40																						
Lamp holder																							
Lamp wattage (W)	<table border="1"> <thead> <tr> <th>Available lamp</th> <th>⊕ II 2G Ex d IIB T4</th> <th>⊕ II 2G Ex d IIB T3</th> <th>⊕ II 2G Ex d IIB T2</th> </tr> </thead> <tbody> <tr> <td>HIE</td> <td>175W, 250W</td> <td>400W</td> <td>1000W</td> </tr> <tr> <td>HSE</td> <td>150W, 250W</td> <td>400W</td> <td>1000W</td> </tr> <tr> <td>HME</td> <td>175W, 250W</td> <td>400W</td> <td>—</td> </tr> <tr> <td>SME</td> <td>250W</td> <td>500W</td> <td>—</td> </tr> </tbody> </table>			Available lamp	⊕ II 2G Ex d IIB T4	⊕ II 2G Ex d IIB T3	⊕ II 2G Ex d IIB T2	HIE	175W, 250W	400W	1000W	HSE	150W, 250W	400W	1000W	HME	175W, 250W	400W	—	SME	250W	500W	—
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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 bolt)																						
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 trumpet shaped gland 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: 1000 mm); One explosion-proof cable gland (DQM-II-M25 x 1.5 Ex d, brass, armored, cable wiring)																						
Available cable outer diameter	Ø10 ~ Ø14 (mm)																						
Note	<ol style="list-style-type: none"> 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 P2/90 when ordering). For BAT51-1000 type: explosion-proof ballast shall be supplied. HPI European standard HIE lamp is recommended for HIE light fitting. 																						

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

