

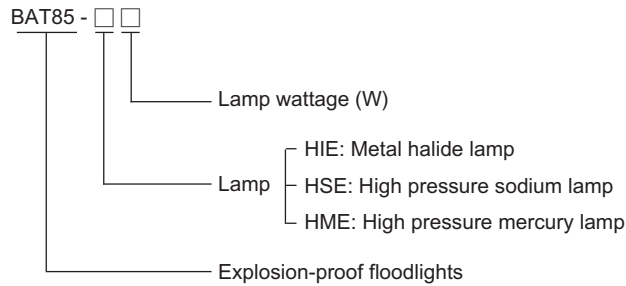


Floodlights

BAT85 Series Explosion-proof Floodlights

- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in Zone 1 and Zone 2
- ◆ Enclosure in copper-free aluminium, powder coated external surface, rape yellow (RAL1021).
- ◆ Integral control gear, easy installation and maintenance.
- ◆ Toughened glass cover resistant to temperature changes.
- ◆ The light fittings are supplied without lamp. PHILIPS lamps are recommended.

Catalogue number logic

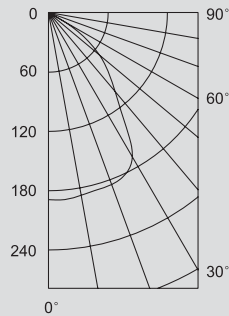


Photometric data

Photometric data of 250W metal halide lamp

Rated luminous flux:23000lm;
The data from PHILIPS lamp;
Luminous intensity distribution cd/1000lm

- 175W Metal halide lamp*0.61
- 150W High pressure sodium lamp*0.78
- 250W High pressure sodium lamp*1.22
- 175W High pressure mercury lamp*0.36
- 250W High pressure mercury lamp*0.55
- 400W Metal halide lamp*1.40
- 400W High pressure sodium lamp*2.36
- 400W High pressure mercury lamp*0.82



Angle	CP	Angle	CP
0	4066	50	1112
5	3773	55	945
10	3536	60	404
15	3385	65	292
20	3340	70	161
25	3292	75	90
30	3036	80	46
35	2475	85	0
40	1763	90	0
45	1404		

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

Zones 1&2

Technical data	
Explosion-proof floodlights	BAT85-□□
Explosion protection	<p>Gas explosion protection</p> <p>⊕ II 2 G Ex d IIC T3 ¹⁾ or xxx°C ¹⁾ Gb</p> <p>¹⁾ See Selection Table for temperature classification</p>
Certificates	LCIE 10 ATEX 3083; FM (USA); IECEx
Conformity to standards	EN 60079-0:2009, EN 60079-1:2007 IEC 60079-0:2007, IEC 60079-1:2007
Material	
Enclosure	Copper-free aluminium, powder coated external surface, rape yellow (RAL1021)
Glass cover	Toughened glass, stands 4J impact
Ballast	Choke ballast, rapid starting, stable performance
Trigger	General trigger
Capacitor	Power factor ≥ 0.85 (compensated)
Internal reflector	High-purity aluminium
Exposed fastener	Stainless steel
Lamp	
Lamp holder	E40
Available lamp	Metal halide lamp (HIE): 175W, 250W, 400W Note: HPI European standard ballast is available in general High pressure sodium lamp (HSE): 150W, 250W, 400W High pressure mercury lamp (HME): 175W, 250W, 400W
Rated voltage	220~240V 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	2 x M25 x 1.5 plug
Cable gland (optional)	DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~25.
Weight	28.50kg



Selection Table				Dimension drawings (all dimensions in mm) - subject to alteration	
Rated voltage	Lamp	Lamp wattage (W)	Temperature classification		
			-20°C ≤ Ta ≤ +40°C	-20°C ≤ Ta ≤ +55°C	
220V AC 50/60Hz	HIE	175, 250, 400	T3	T3	
	HME	175, 250, 400			
	HSE	150, 250, 400			
230V AC 50/60Hz	HIE	175, 250, 400	T3	T3	
	HME	175, 250	T3	T3	
		400	T3	208°C	
	HSE	150, 250	T3	T3	
400		T3	206°C		
240V AC 50/60Hz	HIE	175, 250, 400	T3	T3	
	HME	175, 250	T3	T3	
		400	T3	211°C	
	HSE	150, 250	T3	T3	
		400	T3	212°C	