

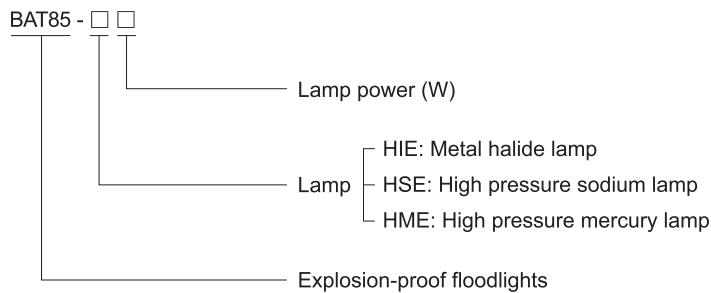
Floodlights

BAT85 Series Explosion-proof Floodlights



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 1, Groups A, B, C, D
- ◆ Enclosure in copper-free aluminium, powder coated surface, 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.
- ◆ Both American standard and European standard are available.

Catalogue number logic

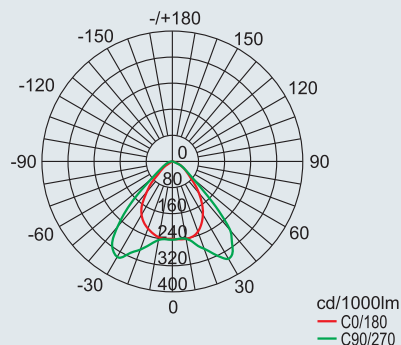


Photometric data

BAT85-□□

Rated luminous flux

175W Metal halide lamp: 16000 lm
 250W Metal halide lamp: 23500 lm
 150W High pressure sodium lamp: 18000 lm
 250W High pressure sodium lamp: 33200 lm
 175W High pressure mercury lamp: 7350 lm
 250W High pressure mercury lamp: 13000 lm
 400W Metal halide lamp: 41000 lm
 400W High pressure sodium lamp: 56500 lm
 400W High pressure mercury lamp: 22000 lm
 The data from Philips lamp



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

Zones 1&2; 21&22

Floodlights

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Technical data	
Explosion-proof floodlights BAT85-□□	
Explosion protection	Gas explosion protection: Ex II 2 G Ex d IIC T3 ¹⁾ or xxx°C ¹⁾ Gb Dust explosion protection: Ex II 2 D Ex tb IIIC T190°C ¹⁾ or xxx°C ¹⁾ Db IP65 ¹⁾ See Selection table
Certificates	LCIE 10 ATEX 3083; IECEx CQM 11.0013; FM (USA); KZ.7500525.22.01.00380 (CU-TR)
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-31 Class 3600, ANSI/ISA 60079-0, ANSI/ISA 60079-1, ANSI/IEC 60529, ANSI/UL 1598
Material	
Enclosure	Copper-free aluminium, powder coated surface, yellow (RAL1021)
Glass 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	
Lamp holder	European standard: E40, American standard: E39
Available lamp	Metal halide lamp (HIE): 175W, 250W, 400W High pressure sodium lamp (HSE): 150W, 250W, 400W High pressure mercury lamp (HME): 175W, 250W, 400W
Rated voltage	European standard: 120V, 208V, 220~240V, 250V, 277V AC 50Hz (60Hz is optional) American standard: 120V, 208V, 220~240V, 250V, 277V AC 60Hz (50Hz 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	2 x M25 x 1.5 plugs
Cable gland (optional)	DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~27.
Weight	European standard: 28.50kg American standard: 31.40kg

Selection table				Dimension drawings (all dimensions in mm) - subject to alteration			
Rated voltage	Lamp	Lamp power (W)	Temperature classes				
			-20°C ≤ Ta ≤ +40°C		-20°C ≤ Ta ≤ +55°C		
			Gas	Dust	Gas	Dust	
120V AC 50/60Hz	HIE	175, 250, 400	T3	190°C	T3	190°C	
	HSE	150, 250, 400	T3	190°C	T3	190°C	
208/220V AC 50/60Hz	HIE	175, 250, 400	T3	190°C	T3	190°C	
	HME	175, 250, 400	T3	190°C	T3	190°C	
	HSE	150, 250, 400	T3	190°C	T3	190°C	
	HIE	175, 250, 400	T3	190°C	T3	190°C	
230V AC 50/60Hz	HME	175, 250	T3	190°C	T3	190°C	
		400	T3	190°C	208°C	208°C	
	HSE	150, 250	T3	190°C	T3	190°C	
		400	T3	190°C	206°C	206°C	
240V AC 50/60Hz	HIE	175, 250, 400	T3	190°C	T3	190°C	
	HME	175, 250	T3	190°C	T3	190°C	
		400	T3	190°C	211°C	211°C	
	HSE	150, 250	T3	190°C	T3	190°C	
	400	T3	190°C	212°C	212°C		
250V AC 50/60Hz	HIE	175, 250, 400	T3	190°C	T3	190°C	
	HME	175, 250	T3	190°C	T3	190°C	
		400	201°C	201°C	216°C	216°C	
	HSE	150, 250	T3	190°C	T3	190°C	
	400	211°C	211°C	226°C	226°C		
277V AC 50/60Hz	HIE	175, 250	T3	190°C	T3	190°C	
		400	T3	190°C	208°C	208°C	
	HME	175, 250	T3	190°C	T3	190°C	
		150, 250	T3	190°C	T3	190°C	
	HSE	150, 250	T3	190°C	T3	190°C	
		400	210°C	210°C	225°C	225°C	

