

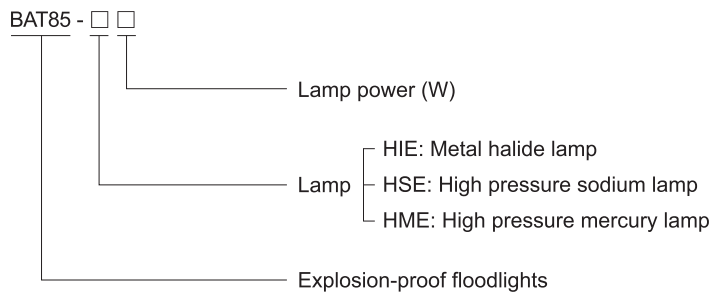
## Floodlights

### 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

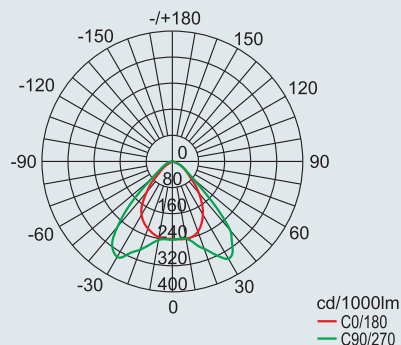


#### Photometric data

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

### BAT85 Series Explosion-proof Floodlights

Technical data	
<b>Explosion-proof floodlights BAT85-□□</b>	
<b>Explosion protection</b>	Gas explosion protection: Ex II 2 G Ex d IIC T3 <sup>1)</sup> or xxx°C <sup>1)</sup> Gb Dust explosion protection: Ex II 2 D Ex tb IIIC T190°C <sup>1)</sup> or xxx°C <sup>1)</sup> Db IP65 <sup>1)</sup> See Selection table
<b>Certificates</b>	LCIE 10 ATEX 3083; IECEx CQM 11.0013; FM (USA); KZ.7500525.22.01.00380 (CU-TR)
<b>Conformity to standards</b>	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
<b>Material</b>	Copper-free aluminium, powder coated surface, yellow (RAL1021)
Enclosure	Toughened glass, stands 4J impact
Glass cover	Electromagnetic ballast, rapid starting, stable performance
Ballast	General trigger
Trigger	Power factor ≥ 0.90 (compensated)
Capacitor	High-purity aluminium
Internal reflector	Stainless steel
Exposed fastener	
<b>Lamp</b>	
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
<b>Rated voltage</b>	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)
<b>Earthing protection</b>	M5 (internal & external earth bolts)
<b>Degree of protection</b>	IP65
<b>Ambient temperature</b>	-20°C~+55°C
<b>Terminal</b>	3 x 1.5~2.5mm <sup>2</sup> (L+N+PE)
<b>Cable entries</b>	2 x M25 x 1.5 plugs
<b>Cable gland (optional)</b>	DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~27.
<b>Weight</b>	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	

