

KBC 150 EX beacon / light



The flameproof KBC150 beacon is ATEX / IECEx Certified for use in potentially explosive atmospheres, helping to signal alarms, alerting personnel to potential dangers, or signal the need for immediate action in emergency situations. The KBC150 can also be used as part of a status light array.

ATEX/IECEx Flameproof Certification: ATEX Zone 1 and Zone 2 Certified for gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

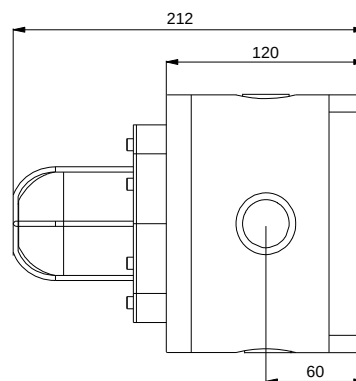
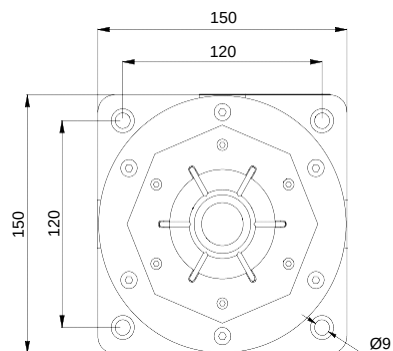
Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications

Key features: Robust and highly reliable, this Ex beacon is designed for corrosive environments and hazardous areas. Housing is moulded Glass-Reinforced Polyester (GRP), protected by an UV resistant paint. The lens is made of borosilicate glass and is available with a 316L stainless steel lens guard option.

Options: This beacon can be delivered with two different light sources:

- LED with steady, rotary or flashing options of different intensity.
- Flashing with XENON tube of different intensity.
- Four flashing frequencies are selectable.

A range of accessories is available to customise this product. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.



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MATERIAL	• Enclosure: Glass-Reinforced Polyester (GRP)		• Lens: Tempered borosilicate glass 3.3			
HOUSING COLOUR	• RED : RAL3001/3028 • BLACK : RAL9005 • ORANGE : RAL2010		• YELLOW : RAL1018 • GREEN : RAL6032		• BLUE : RAL5005 • GREY : RAL7038	
INGRESS PROTECTION	• IP66/67					
AMBIENT TEMPERATURE FOR OPERATION	• T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C					
CERTIFICATION	• ATEX, IECEX					
EX CODE	Ex • II 2 GD Ex db IIC T4 ~ T6 Gb • Ex tb IIIC T135°C ~T85°C Db					
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31					
ATEX AREA ZONE	• Gas zone: 1 & 2 Dust zone: 21 & 22					
CANDELA LENS COLOUR	• Red: 0.15 • Amber: 0.51 • Blue: 0.12 • Green: 0.49 • Yellow: 0.85 • Clear: 1					
LIGHT TYPE	Flash tube (XENON)				LED	
TRUE LIGHT INTENSITY	• 5 joules = 109 Cd • 15 joules = 395 Cd		• 10 joules = 293 Cd • 21 joules = 424 Cd		• 5 W = 128 Cd	• 10W = 312 Cd
PEAK LIGHT INTENSITY	• 5 joules = 35970 Cd • 15 joules = 83345 Cd		• 10 joules = 66804 Cd • 21 joules = 95824 Cd			
LIFETIME	• Emissions are reduced to 70% after 8 million flashes				• >50 000 hours without luminosity decreasing	
BLINKING OR ROTARY FREQUENCY (0 = steady status)	• 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min				• 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min	
CONSUMPTION	• 5 joules = 10W • 15 joules = 20W		• 10 joules = 15W • 21 joules = 25W		• 5W	• 10W
AMBIENT HUMIDITY*	• Up to 95%*					
POWER SUPPLY	• 12-48V DC • 100-240V AC (50/60hz)					
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5					
WORKING CURRENT LED	• Power	12V DC	24V DC	48V DC	110V AC	220V AC
	• 5W	530 mA	260 mA	120 mA	80 mA	40 mA
	• 10W	1100 mA	530 mA	240 mA	160 mA	80 mA
WORKING CURRENT XENON	• Energy	12V DC	24V DC	48V DC	110V AC	220V AC
	• 5J	460 mA	280 mA	140 mA	60 mA	35 mA
	• 10J	850 mA	490 mA	250 mA	100 mA	60 mA
	• 15J	1200 mA	700 mA	360 mA	140 mA	80 mA
	• 21J	NA	960 mA	480 mA	180 mA	110 mA
CABLES ENTRY	• 4 x M20, 1 x M25 & 3 x M20, 1 x 1/2" NPT & 3 x M20, 1 x 3/4" NPT & 3 x M20. Additional adaptors can be supplied as well as cable glands, please specify.					
TERMINAL	• From 22 to 14 AWG - from 0.50 mm2 to 2.5 mm2					
NET WEIGHT	• 3.6 Kg					

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required)

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Product	Certification	Lens colour	Light type	Supply	Duty label	Tag label	Lens guard	Connection	Housing colour	Standard
KBC	150 R	X10	DC	N	Y	Y	A	RD	N	



KBC	= BEACON
150	= HAZARDOUS AREA
151	= NON-CERTIFIED
R	 = RED
A	 = AMBER
B	 = BLUE
G	 = GREEN
Y	 = YELLOW
C	 = CLEAR
X05	= XENON 5J
L05	= LED 5W
X10	= XENON 10J
L10	= LED 10W
X15	= XENON 15J
X21	= XENON 21J
DC	= 12 - 48V DC
AC	= 100 - 240V AC
Y	= YES (SEE LIST)
N	= NO

N/A	
RD	 = RED (STD)
YW	 = YELLOW
BU	 = BLUE
BL	 = BLACK
GN	 = GREEN
GY	 = GREY
OJ	 = ORANGE
OR	 = OTHER
A = 4 x M20 x 1.5	
B = 1 x M25 x 1.5 & 3 x M20 x 1.5	
C = 1 x 1/2" NPT & 3 x M20 x 1.5	
D = 1 x 3/4" NPT & 3 x M20 x 1.5	
Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.	
Y	= YES
N	= NO
Y	= YES
N	= NO