

# STEADY BEACONS EExd(e), Weatherproof SM87 LU1/3 Ranges



SM87 LU1 – Fluorescent



SM87 LU3 – Filament

## Introduction

These certified steady beacons have been designed for use in harsh environmental conditions. The marine grade **stainless steel** or **alloy** enclosures are suitable for use offshore or onshore, where light weight combined with corrosion resistance and strength is required. Units can be painted to customer specification and fitted with identification labels.

- ★ Zone 1 and Zone 2 use.
- ★ EExd IIC T4/T6.
- ★ \*ATEX approved Ex II 2GD.
- ★ BASEEFA certified.
- ★ \*UL listed for USA and Canada
  - Class I, Div. 1, Groups C & D.
  - Class I, Zone 1, AExd IIB.
- ★ \*CSA certified.
- ★ \*GOST 'R' & 'K' certified.
- ★ Chinese (CQST) certified.
- ★ Brazilian (Inmetro) certified.
- ★ Fluorescent.
- ★ Filament.
- ★ IP66 and IP67.
- ★ Corrosion Resistant.
- ★ Fluorescent version suitable for obstruction or warning lighting.
- ★ Optional EExe terminal chamber.
- ★ Optional guard.

\*Model dependent.

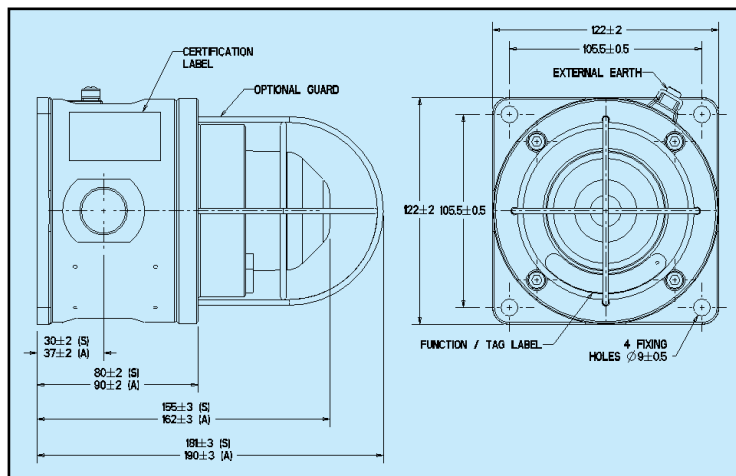
MEDC Ltd, Colliery Road,  
Pinxton, Nottingham NG16 6JF, UK.  
Tel: +44 (0)1773 864100  
Fax: +44 (0)1773 582800

MEDC International, 5829 West Sam Houston Parkway,  
North, Suite 1005, Houston, Texas 77041, USA.  
Tel: +1 (713) 937 9772  
Fax: +1 (713) 937 9773

MEDC Norway, Auglaendsmyraa 6,  
4016, Stavanger, Norge.  
Tel: +47 913 92 289  
Fax: +47 914 46 030

Sales Enq. Fax: +44 (0)1773 582830 Sales Orders Fax: +44 (0)1773 582832  
E-Mail: sales@medc.com Web: www.medc.com





Certification: SM87LU3 – EExd IIC T4 (Filament) –55°C to +40°C.  
 SM87LU1 – EExd IIC T3 (Filament) –55°C to +55°C.  
 – EExd IIC T6 (Fluorescent) –20°C to +55°C.  
 – EExd IIC T5 (240V).  
 – EExd IIC T4 (254V).  
 – Cert. No. Baseefa 03ATEX0222X.  
**UL Listed for USA & Canada:**  
 – Class I, Div. 1, Groups C & D and  
 – Class I, Zone 1, Listing No. E187894.  
 SM87LU1 & LU3 – CSA Certified for Class 1, Div. 1 & 2, Group D.  
 Certification No. 96406.  
 CENELEC – EN50014, 50018, 50019.  
**CSA Certification** to C22.2 Nos. 0, 0.4, 0.5, 9, 30–M1986, 94–M91, 137–M1981.  
 Class 1 Group D. Enclosure 3/4.  
 Cert. No. 96406.  
**GOST 'R' Certification:** 1 Exd IIC T4, Certification No. A-0756  
**GOST 'K' Certification:** Exd ICC T4,  
**Chinese (CQST) Certification:** Exd IIC T4/T5/T6 (LU1 & LU3 only).  
**Brazilian (Inmetro) Certification:** BR-Ex d IIC T3/T4/T5/T6

## Specification

Models:	SM87 LU1 – Fluorescent, EExd & UL Listed, CSA & GOST Certified. SM87 LU3 – Filament, EExd & UL Listed, CSA & GOST Certified.
Voltage:	24, 48V d.c., 110V 220V 240V 254V a.c. 50Hz as standard. 60Hz available if required.
Fluorescent:	10 Watt tube light output 600 Lumens (240V + 254V a.c. versions). 5 Watt tube max. light output 250 Lumens (d.c. versions & 110V a.c.).
Filament:	Single filament fitted as standard 10 watts. Others may be available, please contact MEDC with your requirements.
Terminals:	4 off for up to 2.5mm <sup>2</sup> cable.
Entries:	SM87 LU1 – Up to 3 x 20mm or 25mm (not on RHS). SM87 LU3 – Up to 4 x 20mm or 25mm.
Material:	Grade 316 ANC4B Stainless Steel or Aluminium Alloy LM25TF with glass lens.
Weight:	Stainless Steel – 3.8kg each. Alloy – 2.5kg.
Finish:	Epoxy paint finish as standard or to customer's specification.
Power	7 Watts for 24V d.c., 48V d.c., 110V a.c., 220V a.c.
Consumption:	14 Watts for 240V a.c. (LU1) 15 Watts for 254V a.c.

## Ordering Requirements

The following code is designed to help in the selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

Model	Certification	Voltage	Lens colour	Lens Guard	Entries	Tag/Duty Label	Unit Finish
Type Code	Certification Code	Voltage Code	Colour Code	Guard Code	Entries Code	Label Code	Finish Code
Fluorescent EExd (Alloy)† SM87LU1A	ATEX B	24V d.c. 024	Red R	None N	20mm 1	None N	Red R
Fluorescent EExd (Stainless Steel)* SM87LU1S	UL Listed UL	48V d.c. 048	Blue B	Yes Y	25mm 2	Yes Y	Blue B
Filament EExd (Alloy)† SM87LU3A	CSA Certified C	110V a.c. 110	Green G		Other please specify 3	(Please specify)	Yellow Y
Filament EExd (Stainless Steel)* SM87LU3S	GOST 'R' Certified G	220V a.c. 220	Amber A		Top *T		Yellow/Black Stripes X
	GOST 'K' Certified K	240V a.c. 240	Yellow Y		Bottom *B		Grey G
	Chinese (CQST) Q	254V a.c. 254	Clear C		RHS (not on LU1) *R		White W
	Inmetro DM				LHS *L		Special Finish S

\*Not available UL Listed  
 †Not available CSA Certified.

### Example

An EExd fluorescent in alloy with a clear lens suitable for 24V d.c., 2 x 20mm through entry, finished in grey would be our ref: SM87LU3A024CN1R1LNG.



All the above specifications, dimensions, weights and tolerances are nominal (typical) and MEDC reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.