

## Accessories

Part Number	Description
013.0008	Galvanized steel pipe elbow with upper threaded end only (2"-11 Gas)
315.3210	Galvanized steel pipe elbow with both threaded ends (2"-11 Gas)
013.0010	Set of two ryton rings for receptacle support inside pipe elbow
315.1228	Base L-867, class I, size B, 24" deep
315.1062	Baseplate for L-867 base, size B, with 2"-11 Gas thread, gasket and cable clamp
332.3270	Levelling and alignment device for light on 2" dia pole
332.3240	Levelling and alignment device for light on frangible pole
332.3180	Supporting plate for device P/N 332.3240

For any information about isolating transformers and connectors, please see the specific catalogue pag

## Renewal Parts

Part Number	Description
155.7020	Complete body for approach, threshold, runway end and stop bar lights
155.7040	Complete body for approach side row and threshold wing bar lights
155.7030	Graduated support with screws
810.1015	Clear front glass
810.1016	Red front glass for approach side row and runway end lights
810.1017	Green front glass
810.1060	Red front glass for FAA stop bar lights
325.0271	Silicone gasket for front glass
321.4150	Aluminium ring for front glass mounting
705.1653	Stainless steel cap nut for glass ring locking
321.6100	Aluminium reflector
760.3140	65 W tungsten-halogen lamp, 6.6 A, PK 30/d base
760.3160	100 W tungsten-halogen lamp, 6.6 A, PK 30/d base
760.3170	150 W tungsten-halogen lamp, 6.6 A, PK 30/d base
760.3080	200 W tungsten-halogen lamp, 6.6 A, PK 30/d base
325.0230	Silicone gasket for rear door
323.2457	L-823 two-pole plug with teflon cable leads, 45 cm long for FAA stop bar lights
323.2460	L-823 two-pole plug with neoprene cable leads, 50 cm long
323.2710	L-823 two-pole plug with neoprene cable leads, 90 cm long
323.2720	L-823 two-pole plug with neoprene cable leads, 140 cm long
323.2730	L-823 two-pole plug with neoprene cable leads, 190 cm long
323.2740	L-823 two-pole plug with neoprene cable leads, 240 cm long
732.5513	Gland for cable lead
303.6060	Breakable coupling with 2"-11 Gas thread and groove, for direct coupling to the graduated support
303.6130	Breakable coupling with 2"-11 Gas thread and groove, for coupling to pole of length up to 50 cm
303.6120	Breakable coupling with 2"-11 Gas thread and groove, for coupling to pole of length between 60 and 100 cm
303.6110	Breakable coupling with 2"-11 Gas thread and groove, for coupling to pole of length between 110 and 150 cm
303.6100	Breakable coupling with 2"-11 Gas thread and groove, for coupling to pole of length between 160 and 200 cm
315.3010	Mounting pole, 10 cm long, 2" dia.
315.3230	Mounting pole, 50 cm long, 2" dia.
315.3240	Mounting pole, 100 cm long, 2" dia.
315.3250	Mounting pole, 150 cm long, 2" dia.
315.3260	Mounting pole, 200 cm long, 2" dia.



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# FAU

## Elevated Approach Threshold and Runway End Light



Compliances: ICAO Annex 14  
NATO STANAG 3316  
FAA AC 150/5345-46 (L-862S)

FAU

### Applications

The FAU is a high intensity elevated light. The FAU lights are used for any category I, II and III ICAO and military approach, approach side row, threshold, threshold wing bar and runway end lighting. This fitting is also used for FAA stop bar lighting.

### Features

**BODY:** made of aluminium, it contains a pure, polished and anodized aluminium reflector and the lamp support; a glass is mounted in front of the reflector supported by means of an aluminium ring with silicone gasket. The light is accessible for maintenance and relamping through a rear door with silicone gasket, lockable by means of a screwed knob. A cable gland is provided for cable entry.

**FRONT GLASS:** prismatic, it is supplied in four different types:

- clear, for approach (centreline and crossbars) lighting;
- red, for approach side row and runway end lighting;
- red, for stop bar lighting;
- green, for threshold and threshold wing bar lighting.

**GRADUATED SUPPORT:** cast aluminium, complete with graduated scales for vertical and horizontal aiming. The body is hinged to the support for vertical aiming and locked to it by means of two screws; the support can rotate on the mounting pole or breakable coupling and is fixed to it by means of three screws.

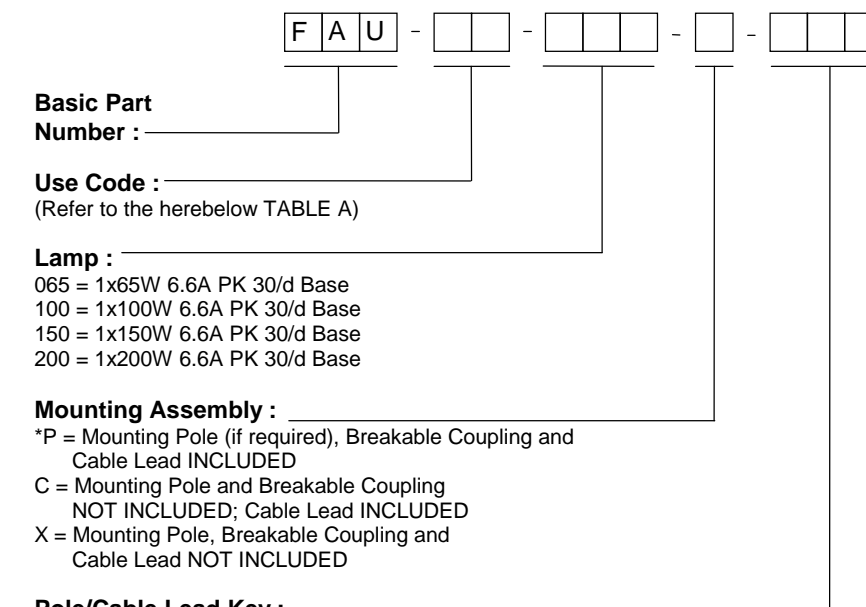
**MOUNTING POLE:** when required, consists of a 2" steel pipe, minimum 100 mm long. The 2" pipe is available up to 2 meters; for higher mounting a frangible pole is used. TABLE B on page CT-25.2 shows the "key" to order the proper length of the mounting pole.

### How to order

To the basic part number add the use code, the lamp, the mounting assembly and the key to identify the pole (or the cable lead) length.

#### EXAMPLE:

FAU-AC-150-P-050 is a clear approach light, with a 150 W lamp, 6.6 A, PK 30/d base, complete with mounting pole, 50 cm long, breakable coupling and cable lead, 90 cm long, with plug.



\* The standard threshold, threshold wing bar and runway end lights are provided without mounting pole.

TABLE A

USE CODE	APPLICATION	COLOUR	LAMP FOR SPECS		
			ICAO	STANAG	FAA
AC	Approach centreline and crossbars	CLEAR	150W	150W	/
AR	Approach side row	RED	150W	150W	/
TG	Threshold	GREEN	150W	150W	/
WG	Threshold wing bar	GREEN	200W	150W	/
ER	Runway end	RED	65W	65W	/
SB	FAA Stop bar	RED	/	/	100W

**BREAKABLE COUPLING:** made of an aluminium casting, it is provided with a breakable groove, meeting FAA Specs, with lower 2"-11 Gas male thread. Five different types are used for direct coupling to the graduated support or coupling to the mounting pole. In this last case the breaking groove depends on the pole length.

**PLUG WITH LEADS:** it consists of two, single-pole neoprene leads, size 2.5 sq.mm, of length according to the customer requirements (minimum length 45 cm), with FAA L-823 plug; for FAA stop bar the leads are in teflon. The leads are equipped with

female faston terminal. When the light is ordered with mounting pole and breakable coupling (mounting assembly P), the cable lead length is 40 cm longer than the mounting pole length. When the light is ordered without mounting pole and breakable coupling (mounting assembly C), use the herebelow TABLE B to identify the "key" corresponding to the required length of the cable lead.

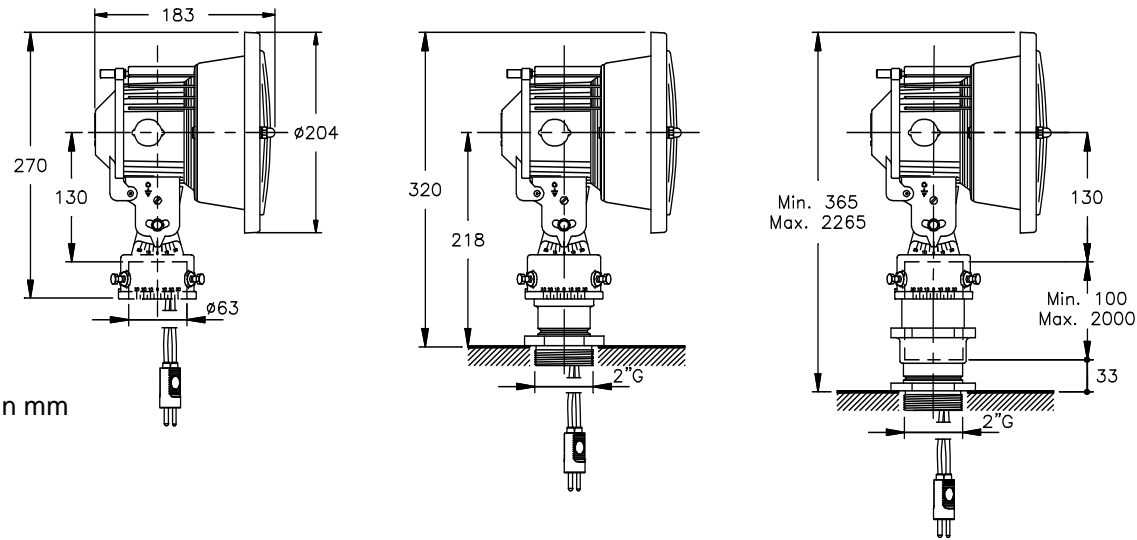
**LAMP:** one, 65 W, 100 W, 150 W or 200 W, tungsten-halogen, 6.6 A, PK 30/d base, with male faston cable leads, 1000 hour rated life. Fast relamping without need for tools or disassembling the front glass. Refer to

TABLE A on page CT-25.1 for the correct lamp rating.

**GROUNDING:** a suitable screw is provided.

**INSTALLATION:** with breakable coupling, on pipe elbow or baseplate (with 2"-11 Gas thread); with frangible pole, on a suitable concrete base. On request a suitable device with level and sight system is supplied for precise levelling and alignment of the light. Refer to TABLE C on page CT-25.3, and to ICAO, STANAG or FAA Specs for proper setting of the aiming of the lights.

**Outline Drawings**



Dimensions in mm

Mounting assembly C: without pole and breakable coupling, with cable lead

Mounting assembly P: without pole, with breakable coupling and cable lead (pole key 001)

Mounting assembly P: with pole, breakable coupling and cable lead (pole key 001 excepted)

Instruction Manual: UT-MT-043

**FAU without pole and breakable coupling**

**FAU with direct breakable coupling**

**FAU with pole, 100 mm long, and breakable coupling**

Shipping Weight 2.3 Kg

2.6 Kg

3.2 Kg

Shipping Volume 0.019 cu.m

0.019 cu.m

0.019 cu.m

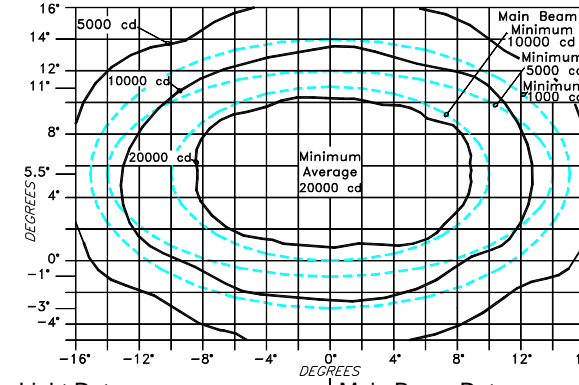
**TABLE B**

Mounting Assembly "P"		Mounting Assembly "C"	
POLE KEY	POLE LENGTH (in cm)	CABLE LEAD KEY	CABLE LENGTH (in cm)
001	NO POLE	045	45
010	10	050	50
050	50	100	100
100	100	150	150
150	150	200	200
200	200	250	250

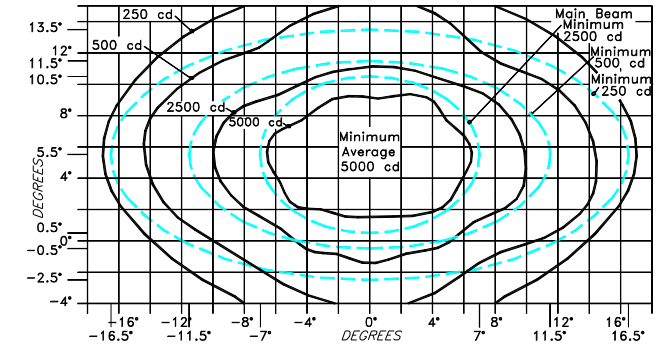
The TABLE B is given as an example only. You can order mounting poles or cable leads of length as you need, but considering that the available steps are of 10 cm and pole included between 10 cm and 2 m.

- Example 1  
You need a pole of 180 cm; the key will be 180. The light will be supplied with a cable lead of 220 cm (180 cm plus 40 cm).
- Example 2.  
You need a pole of 185 cm. This length is not available. You can choose 180 cm or 190 cm; the key is 180 or 190.
- Example 3.  
You need a fitting without mounting pole and breakable coupling, but with the cable lead of 170 cm. The key to identify your cable is 170.
- Example 4.  
You need a fitting without mounting pole and breakable coupling, but with the cable lead of 175 cm. This length is not available. You can choose 170 cm or 180 cm; the key is 170 or 180.

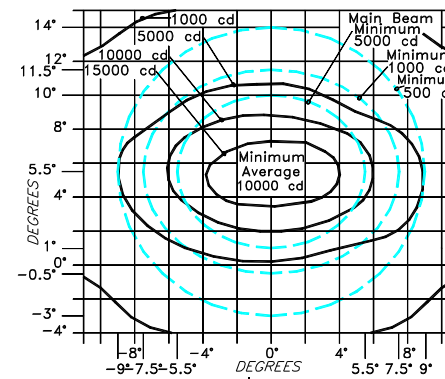
**Technical Data**



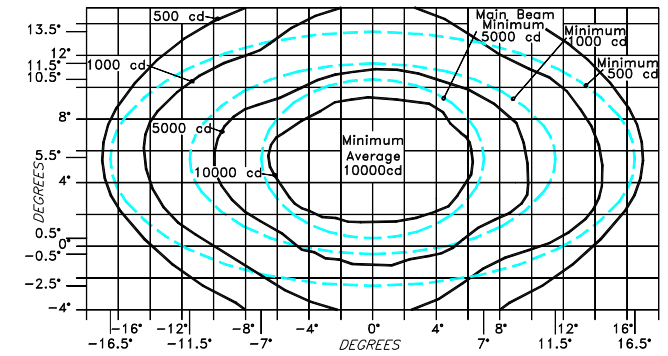
Light Data		Main Beam Data	
Use:	Approach (centreline & crossbars), ICAO	Average:	24000 cd
Lamp:	150W 6,6A	Minimum:	17600 cd
Colour:	Clear	Maximum:	27800 cd



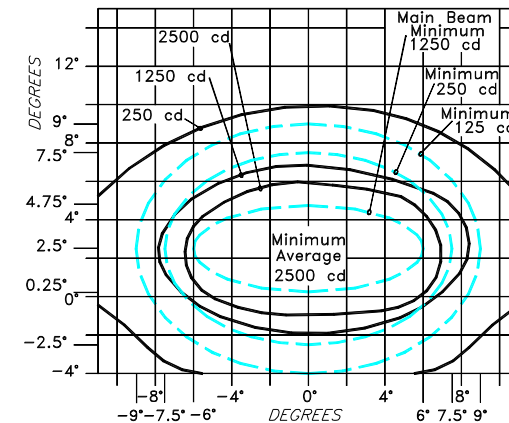
Light Data		Main Beam Data	
Use:	Approach Side Row, ICAO	Average:	6000 cd
Lamp:	150W 6,6A	Minimum:	3900 cd
Colour:	Red	Maximum:	7900 cd



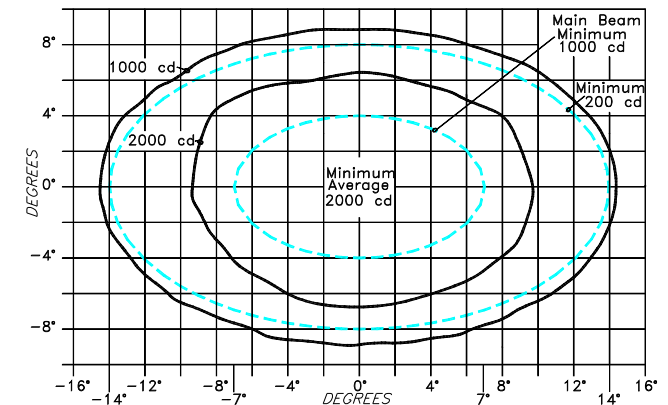
Light Data		Main Beam Data	
Use:	Threshold, ICAO	Average:	13500 cd
Lamp:	150W 6,6A	Minimum:	9000 cd
Colour:	Green	Maximum:	17000 cd



Light Data		Main Beam Data	
Use:	Threshold Wing Bar, ICAO	Average:	11000 cd
Lamp:	200W 6,6A	Minimum:	8100 cd
Colour:	Green	Maximum:	13400 cd



Light Data		Main Beam Data	
Use:	Runway End, ICAO	Average:	3700 cd
Lamp:	65W 6,6A	Minimum:	3000 cd
Colour:	Red	Maximum:	4100 cd



Light Data		Main Beam Data	
Use:	Stop Bar, FAA	Average:	3500 cd
Lamp:	100W 6,6A	Minimum:	2300 cd
Colour:	Red	Maximum:	3800 cd

**TABLE C**

APPLICATION	HORIZONTAL AIMING	VERTICAL AIMING
Approach centreline and crossbars, ICAO	0°; +2° (*)	5,5°; 6°; 7°; 8°(*)
Approach centreline and crossbars, STANAG	0°	4,5°; 5°; 5,5°; 6°(*)
Approach side row, ICAO	+2°	5,5°; 6°; 6,5°(*)
Threshold wing bar, ICAO	+3,5°	5,5°
Threshold, STANAG	0°	4,5°
Threshold wing bar, ICAO	+2°	5,5°
Threshold wing bar, STANAG	0°	4,5°
Runway end, ICAO	0°	2,5°
Runway end, STANAG	0°	4,5°
Stop bar, FAA	0°	0°

(\*) = Verify the proper setting of the aiming of the lights (horizontal and vertical) with the requirements of ICAO and STANAG Specs.