

FP150

Multi
ELECTRIC

Elevated Runway Edge and Threshold/End Light



FP150

Compliances: ICAO Annex 14
NATO STANAG 3316
FAA AC 150/5345-46

Applications

The FP150 is a high intensity bi-omnidirectional elevated light. The FP150 lights are used for any Category I, II and III ICAO, precision IFR FAA and military runway edge lighting and for precision IFR FAA threshold/end lighting.

Features

OPTICAL ASSEMBLY: consists of two Fresnel lenses mounted one inside the other. The outer lens, heat resistant clear glass, is provided to optimise the horizontal candlepower distribution. Its inner surface is prismatic, the outer is smooth for easy maintenance. The inner lens is generally one clear glass 360° piece; if required, it can consist of two 180° pieces, one or both coloured.

BODY: the die-cast aluminium body is provided with a suitable support for the PK 30/d lamp or for the GY 6.35 lamp holder. On request, the body can be supplied in a special version to allow the day marker cone installation.

LENS PLATE: made of an aluminium die-casting. The outer lens is fixed to the plate by means of three stainless steel plates with silicone gasket; the inner lens is mounted on the plate with silicone gasket and upper securing block. The lens plate is hinged to the body and secured by means of a stainless steel clamping spring.

COLUMN: the body is balanced on a die-cast aluminium column and fixed to it by means of four levelling screws. The column is provided with a breakable groove, meeting FAA Specs, with lower 2" male thread. The column is locked to the pipe elbow by means of a galvanized steel threaded ring nut.

CABLE LEAD: two, single-pole neoprene leads, size 2.5sq.mm, 0.300 m long, with FAA L-823 plug. The leads are equipped with female fast-on terminal.

LAMP: 150 W tungsten-halogen, 6.6 A, PK 30/d base, with male fast-on cable leads, 1000 hour rated life, for runway edge; 200 W tungsten-halogen, 6.6 A, G 6.35 base, 1200 hour rated life, for FAA threshold/end.

SCREEN: spun aluminium, can be mounted between the two lenses, to provide a 180° single main beam.

DAYMARKER CONE: spun aluminium, is available on request.

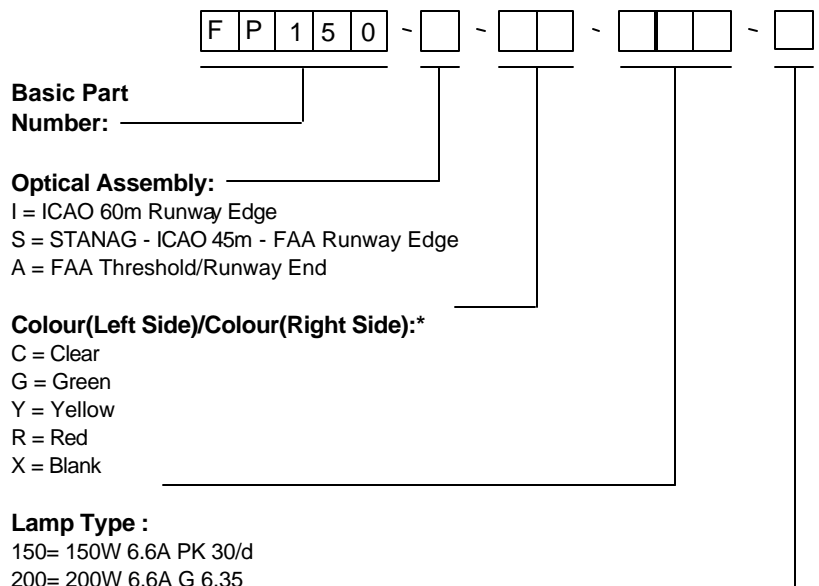
GROUNDING: a suitable screw is provided.

How to order

To the basic part number add the optical assembly, the colour for both sides and the lamp type. If required, any option can be added.

EXAMPLE:

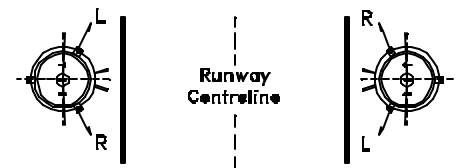
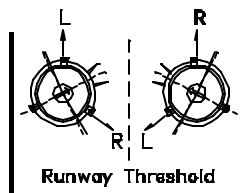
FP150-I-CY-150 is a bi-directional runway edge light, conforming to ICAO Specs for runway 60 m wide, with clear left side and yellow right side, complete with a 150 W lamp, 6.6 A, PK 30/d base.



* Colour selection

THRESHOLD/RUNWAY END

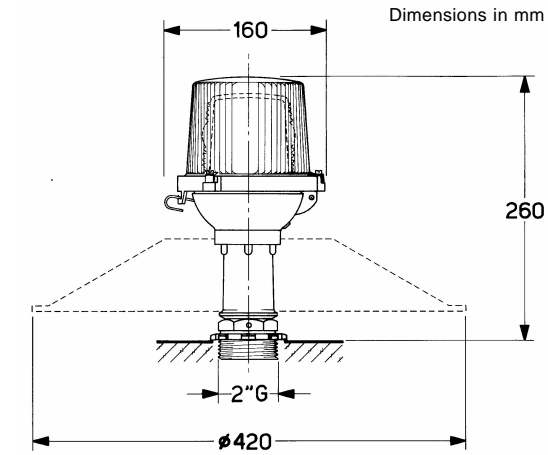
RUNWAY EDGE



INSTALLATION: on pipe elbow or Baseplate. On request, a ring with level and sight system is supplied for precise levelling and alignment of the light.

BT-21.1 May 2001

Outline Drawings

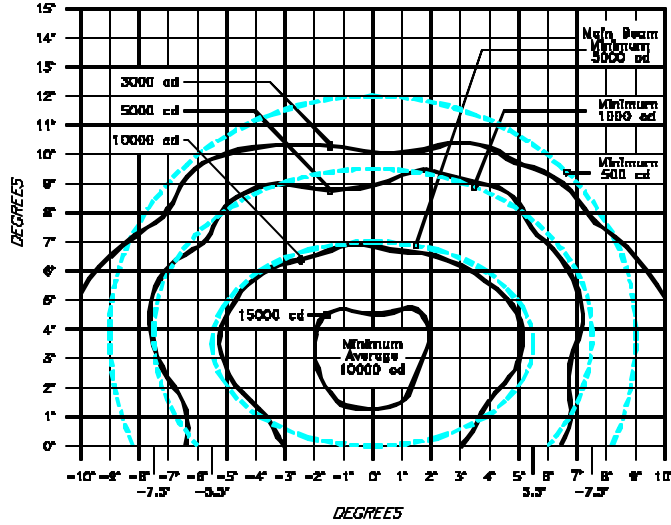


Instruction Manual: UT-MT-046

	FP150 Light (without cone)	Cone (one piece)
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Shipping Weight	2.3 Kg	0.6 Kg
Shipping Volume	0.009 cu.m	0.003 cu.m

Technical Data



Light Unit Data		Main Beam Data	
Use:	Runway edge, ICAO 45m	Average:	11700 cd
Lamp:	150W 6.6A	Minimum:	8300 cd
Colour:	White	Maximum:	15900 cd

Accessories

Part Number	Description
013.0010	Set of two ryton rings for receptacle support inside pipe elbow
013.0008	Galvanized steel pipe elbow with upper threaded end only
315.3210	Galvanized steel pipe elbow with both threaded ends
315.1227	Base L-867, Class I, Size B, 24" deep
315.1062	Baseplate for L-867 base with gasket and cable clamp (2"-11 Gas thread)
011.2056	Transformer for series circuits FAA L-831 200 W 6.6/6.6 A
011.2003	Transformer for series circuits FAA L-831 200 W 6.6/6.6 A, suitable for secondary grounding
011.2559	54-E6-E6 Connector kit L-823, 10-12 AWG(6 sq.mm), 0.42" to 0.585" O.D.
011.2558	54-E4-E4 Connector kit L-823, 8 AWG(10 sq.mm), 0.42" to 0.585" O.D.
332.3250	Ring for levelling and alignment

Renewal Parts

Part Number	Description
810.3016	Clear outer lens
810.3017	360° clear inner lens
810.3018	180° clear left inner lens
810.3020	180° yellow left inner lens
810.3022	180° red left inner lens
810.3034	180° green left inner lens
810.3019	180° clear right inner lens
810.3021	180° yellow right inner lens
810.3023	180° red right inner lens
810.3035	180° green right inner lens
325.0190	Gasket for outer lens
325.0200	Gasket for inner lens
325.0000	Upper block for inner lens
760.3170	150W tungsten-halogen lamp, 6.6A, PK 30/d base
760.2116	200W tungsten-halogen lamp, 6.6A, G 6.35 base
324.2090	GY 6.35 lamp holder
323.3040	L-823 two-pole plug with cable leads, 0.300 m long, with female faston terminals
155.8020	Breakable column with ring nut and hardware
766.1001	Ring nut for breakable column

Multi

ELECTRIC

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We reserve the right to change design or specification data without