EHA

ELEVATED UNIDIRECTIONAL HIGH INTENSITY LIGHT

EHA-ALS : APPROACH LIGHT
EHA-RTHL : RUNWAY THRESHOLD LIGHT
EHA-RENL : RUNWAY END LIGHT
EHA-WBAR : RUNWAY WING BAR LIGHT



Compliance with standards

ICAO : Annex14 Para 5.3.4/10/11
IEC : 61827
FAA : AC 150/5345-46,E-982, L-860E
K S : KS W 5031(Korean Standard)

The EHA is a multifunctional elevated light used for several applications such as:

- Precision Approach Lighting Category I, II and III, white and red
- Threshold and Threshold Wingbar Lighting Category I, II and III
- Runway End lighting

The complete fitting consists of a light head housing the optical components and the light body support which is made of die-cast aluminium for mounting on a 60mm outside diameter stem allowing azimuth and elevation angle adjustment up to 30°. The optical assembly consists of an anodised aluminium reflector, a pre-focus tungsten halogen lamp and a heat resistant front glass with silicon gasket. The lamp is positioned and held in the reflector by a stainless steel bracket allowing relamping to be done from the rear side without the use of any tool.

Features

- Light body made of die casting aluminium coated with Aviation Yellow paint finish
- Environmental friendly materials
- Easy lamp replacement without need of tools
- Choice of several mounting systems for ground mounting, pole mounting or installation on frangible approach structures
- Light weight
- Pre-focused optics eliminating the need for refocusing after maintenance
- Long lamp life 1000 hours at full brilliancy



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AIRPORT LIGHTING EQUIPMENT INC.

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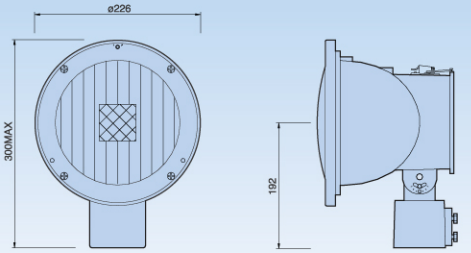
EHA-ALS 1



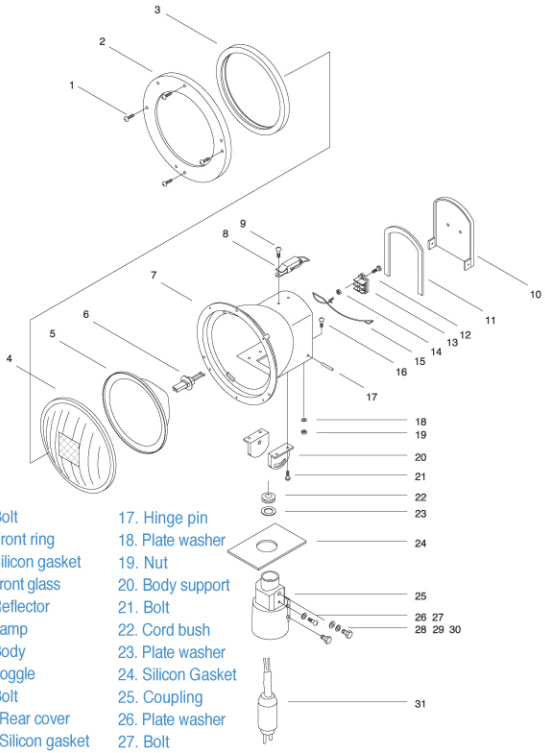


EHA-RTHL & WBAR



EHA-ALS 2
EHA-RENL

Components



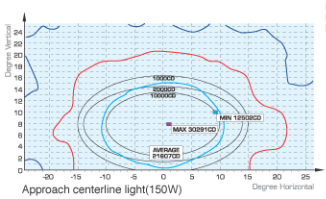
1. Bolt
2. Front ring
3. Silicon gasket
4. Front glass
5. Reflector
6. Lamp
7. Body
8. Toggle
9. Bolt
10. Rear cover
11. Silicon gasket
12. Bolt
13. Terminal block
14. Nut
15. Lamp bracket
16. Bolt
17. Hinge pin
18. Plate washer
19. Nut
20. Body support
21. Bolt
22. Cord bush
23. Plate washer
24. Silicon Gasket
25. Coupling
26. Plate washer
27. Bolt
28. Plate washer
29. Spring washer
30. Bolt
31. Two-pole cable with plug

Photometric Performance

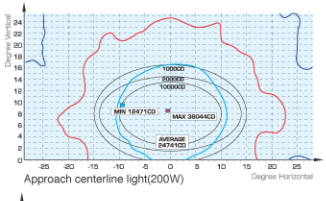
▶ Approach Centerline Light

Color	Angle		Lamp	ICAO Intensity	Average Intensity
	V	H			
White	±5.5°	±10°	6.6A 150W	20,000cd	21,607cd
White	±5.5°	±10°	6.6A200W	20,000cd	24,741cd

● Chromaticity
-White X:0.4048, Y:0.3911



Approach centerline light(150W)

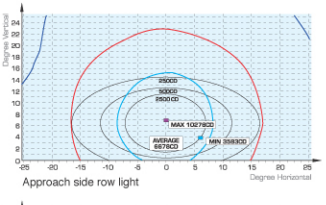


Approach centerline light(200W)

▶ Approach Side Row Light

Color	Angle		Lamp	ICAO Intensity	Average Intensity
	V	H			
Red	±5°	±7°	6.6A 200W	5,000cd	6,678cd

● Chromaticity
-Red X:0.6904, Y:0.3046

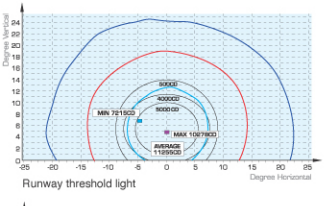


Approach side row light

▶ Runway Threshold Light

Color	Angle		Lamp	ICAO Intensity	Average Intensity
	V	H			
Green	±4.5°	±5.5°	6.6A 200W	10,000cd	11,255cd

● Chromaticity
-Green X:0.2643, Y:0.4164

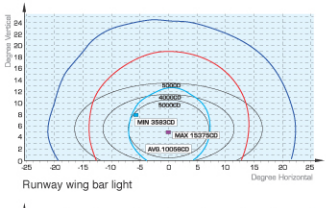


Runway threshold light

▶ Runway Wing Bar Light

Color	Angle		Lamp	ICAO Intensity	Average Intensity
	V	H			
Green	±5°	±5°	6.6A 200W	10,000cd	10,056cd

● Chromaticity
-Green X:0.2643, Y:0.4164

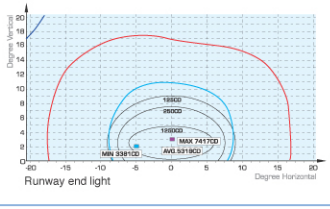


Runway wing bar light

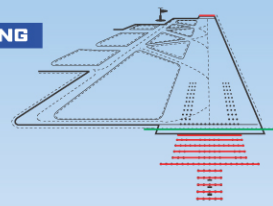
▶ Runway End Light

Color	Angle		Lamp	ICAO Intensity	Average Intensity
	V	H			
Red	±2.25°	±6°	6.6A100W	2,500cd	5,319cd

● Chromaticity
-Red X:0.6840, Y:0.3100



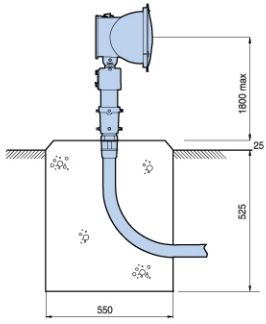
Runway end light



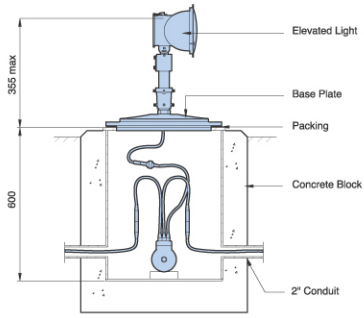
Typical Mounting System

Unit : mm

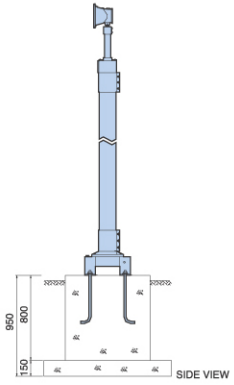
2" Conduit Elbow

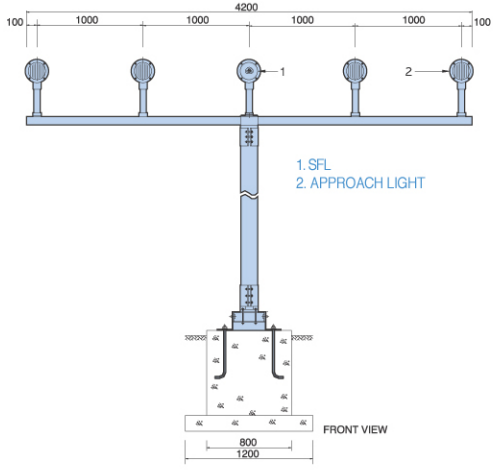


12" Deep Base



Mast

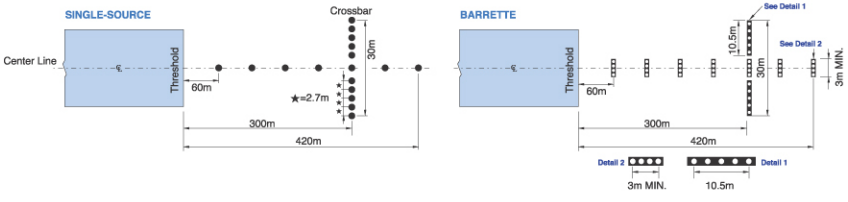




Approach Lighting Systems

Unit : m

Simple Approach lighting Systems / Single source system; Barrette system



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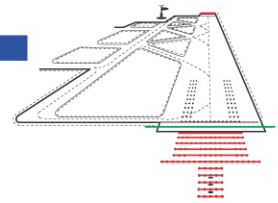
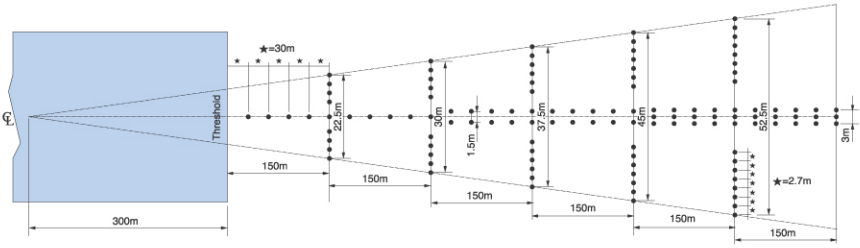


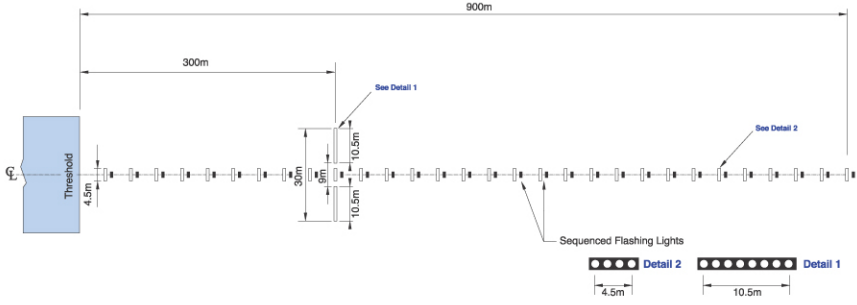
Approach Lighting Systems

Unit : m

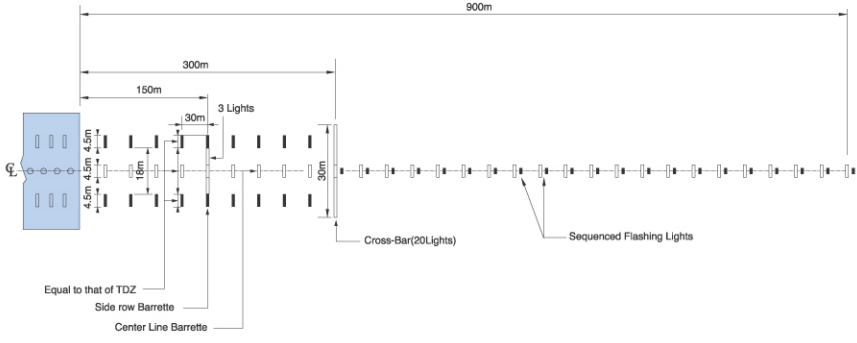
Approach lighting systems Cat.1 / Distance-coded centreline



Approach lighting systems Cat.1 / Barrette centreline



Approach lighting systems Cat.II and III / Barrette centreline



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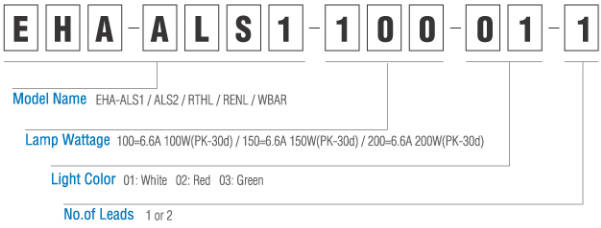
Ordering Code



Description

Model Name	Item	Specification
EHA - ALS 1	Approach Centerline Llight	6.6A 150W *1 White
EHA - ALS 2	Approach Side Row Light	6.6A 200W * 1 Red
EHA - RTHL	Runway Threshold Light	6.6A 200W * 1 Green
EHA - RENL	Runway End Light	6.6A 100W * 1 Red
EHA - WBAR	Runway Wing Bar Light	6.6A 200W * 1 Green

Spare Parts

Description	Specification	Ordering code
Light Boby	Approach Centerline Light	411-201A
	Approach Side Row Light	411-201A
	Runway Threshold & Wing Bar Light	411-201A
	Runway End Light	411-201A
Front Glass	White	143-029A
	Red	143-035A
	Green	143-031A
Halogen Lamp	6.6A 100W PK-30D	111-240A
	6.6A 150W PK-30D	111-241A
	6.6A 200W PK-30D	111-242A

YOUYANG
AIRPORT LIGHTING EQUIPMENT INC.

Head Office
738-2, Kwanyang-Dong, Dongan-Ku,
Anyang City, Kyunggi-Do, Korea
Tel : 82-31-422-0021 Fax : 82-31-424-6044
http://www.youyang.co.kr E-mail: youyang@youyang.co.kr

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