

# AHL and EHL Incandescent Factory Sealed Luminaires and Handlamps

## Explosionproof

Suitable for use in Wet Locations.

**NEC/CEC — AHL:**  
Class I, Division 1 and 2, Groups C, D  
Class II, Division 1 and 2, Groups F ①, G  
Class III

**NEC/CEC — EHL:**  
Class I, Division 1 and 2, Groups C, D

### Applications

- AHL general purpose explosionproof lighting fixture – an A-51 fixture with handle assembly of hook and cable clamp.  
CAUTION: For safe operation, the AHL fixture weight must be supported by the hanger hook, not by the flexible cord, per the National Electrical Code.
- EHL general purpose explosionproof portable handlamp. Only 127 mm (5 in) in diameter for ease of movement.

### Features:

- AHL and EHL
  - Equipped with connection block for ease of wiring and relamping.
  - Cable clamp diameters: AHL – 9.5 mm to 15.9 mm (.375 in to .625 in); EHL – 10.3 mm (.406 in) for 16-3 AWG.
  - Heat- and impact-resistant glass globes.
- AHL
  - Sturdy fixture with rugged hanging hook.
  - Safety grounding – additional terminal furnished to connect to grounding conductor.
- EHL
  - Portability, with phenolic handle and non-sparking guard with hook.
  - Easy relamping – loosen setscrew, unscrew guard, remove globe and insert lamp.
  - Safety grounding – remove cable and clamp and make connections to terminal (including one ground terminal) then tighten clamp.

### Standard Materials

- Globes: heat-and impact-resistant glass
- AHL fixture unit, hook and guard: copperfree aluminum
- AHL cable clamp: brass
- EHL fixture body and handle: laminated phenolic
- EHL handle: laminated phenolic
- EHL hook: brass
- EHL guard: copperfree aluminum

### Standard Finishes

- AHL fixture unit, guard, handle and hook: two-coat epoxy enamel
- AHL cable clamp: natural finish
- EHL fixture body: laminated phenolic
- EHL handle: phenolic
- EHL guard and hook: guard – natural finish; hook – zinc electroplate and clear chromate
- EHL cable clamp: laminated phenolic

### NEC/CEC Certifications and Compliances

- UL Standard: UL 1598, UL 844
- EHL UL Listed: E59147
- CSA Certification: LR25428

### Related Products

- The EHL handlamp may be used with AE Automatic Take-Up Reelites listed in the *Specialty Products* section and ECC Cord Connector and Plugs and Receptacles in the *Plug and Receptacles* section.



AHL



EHL

① To reduce the risk of ignition of hazardous atmospheres, do not use where electrically conductive dusts are present (most coal dusts are not electrically conductive).





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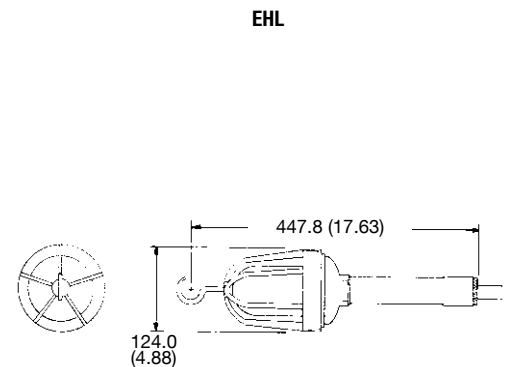
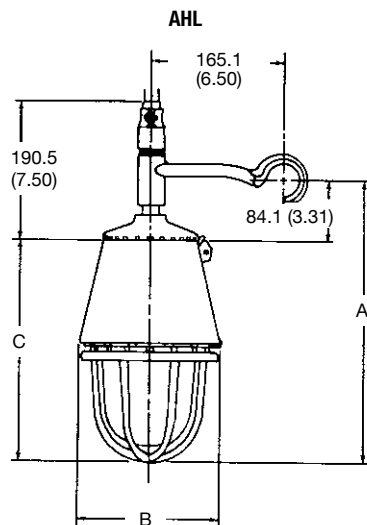
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	Description	Cable Diameter Millimeters (Inches)	"T" Ratings	Catalog Number
<b>AHL – Explosionproof 60 - 300 W Lighting Fixtures</b>				
<i>CAUTION: For safe operation, weight of fixture must be supported by hanger hook, not by the flexible cord, per the National Electrical Code.</i>				
	60-100 W, A-21 (AAU-1N)	9.53 to 15.88 (.375 to .625)	T4	<b>AHL100</b>
	200-300 W, PS-30 (AAU-2NS)	9.53 to 15.88 (.375 to .625)	T4A	<b>AHL200</b>
<b>EHL – Explosionproof 100 W Portable Handlamp ②</b>				
	Laminated Phenolic Handle. Wiring Connection Block takes from #16 to #14 Wire.			
	100 W, A-21	10.26 (.406)	T3A	<b>EHL100N</b>
<b>EHL Replacement Globe and Guard</b>				
	Heat-resistant glass globe			<b>XP419</b>
	Aluminum guard with hook			<b>XP163SA</b>

### Dimensions in Millimeters (Inches)



Catalog Number	A	B	C
<b>AHL100</b>	362.0 (14.25)	179.3 (7.06)	277.9 (10.94)
<b>AHL200</b>	404.9 (15.94)	223.8 (8.81)	320.8 (12.63)

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② Handlamp accommodates 16-3 SO cable. Contact your sales representative if 14-3 cable is required.