







Harsh. Hazardous. Marine.



Eaton's Crouse-Hinds Pauluhn series delivers a lighting solution that performs reliably in even the worst operating conditions. All the while reducing your energy, maintenance and manpower costs.

Why Crouse-Hinds?



EATON'S CROUSE-HINDS Pauluhn ECOS linear fluoresco

Industry-best reliabilityBuilt to withstand a wide array of applications

Quality of lightCustom reflector designed to maximize light distribution and intensity

Thermal management Effective heat sinking ensures longer life

Versatile mounting Numerous mounting configurations for easy installation

Why Pauluhn ECOS?

Reliable mid and low bay solutions. Pauluhn ECOS luminaires are engineered to provide maintenance-free performance while delivering long life and high lumen performance in hazardous, harsh and marine environments.

Rugged design

- UV stabilized, impact-resistant fiberglass-reinforced polyester housing
- Shock- and vibration-resistant lamp holders reduce premature lamp failure

Multiple configurations

- · Available in two and four foot lengths
- T8, T5, T5HO lamps in 1, 2 or 3 lamp configurations



Multiple mounting options

- Ceiling, wall and pipe clamp (all models)
- Eye bolts (ED2N and EHAR models only)
- Shock mount (ED2N and EMAR models only)

Easy to install

- Tool-less entry for ease of installation
- Up to three gland entries at each end, suitable for dead end, through feed or single-ended "T" wiring
- Lens is removable at 120°, allowing for narrow gap mounting between obstructions

Designed to meet your challenges

Three ECOS models available



ED2N

For use in hazardous areas

- · Class I, Division 2 rated
- Applications include oil and gas exploration, petrochemical facilities and wastewater treatment



FMΔP

For use in marine environments

- Marine rated
- Applications include shipyards, docks ports and marine vessels



EHAR

For use in harsh environments

- Type 4X rated
- Applications include heavy industrial, food and beverage, pulp and paper and wastewater treatment

General specifications

Electrical ratings:

- 120 277 VAC at 50/60 Hz
- Optional emergency battery back-up ballast (self-contained 90 minute minimum with LED charge status indicator for all lamp types)

Temperature ratings:

E2DN model

Lamp wattage (2 ft./4 ft.)	Ballast/ socket type	ANSI lamp code	T-code	Maximum ambient	Supply wire
14/28	T5 mini bi-pin G5	F14/F28-T5	T4A	55°C	90°C
24/54	T5HO mini bi-pin G5	F24/F54-T5H0	T3C	55°C	90°C
17/32	T8 bi-pin G13	F17/32-T8	T4A	55°C	90°C
17/32	T8 bi-pin G13	F17/32-T8	T6	55°C	90°C
18/36	T8 bi-pin G13	F18/36-T8	T4A	55°C	90°C

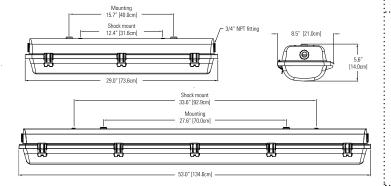
EMAR and **EHAR** models

Lamp wattage (2 ft./4 ft.)	Ballast/ socket type	ANSI lamp code	Supply wire
14/28	T5 mini bi-pin G5	F14/F28-T5	90°C
24/54	T5HO mini bi-pin G5	F24/F54-T5H0	90°C
17/32	T8 bi-pin G13	F17/32-T8	90°C
17/32	T8 bi-pin G13	F17/32-T8	90°C
18/36	T8 bi-pin G13	F18/36-T8	90°C

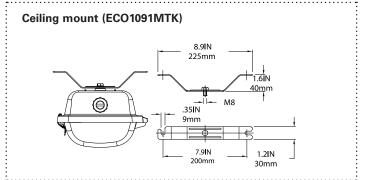
Weights:

	Lbs.	Kg.
2 foot models	9.0	4.0
4 foot models	17.0	8.0

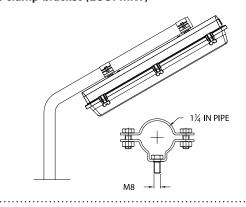
Dimensions:



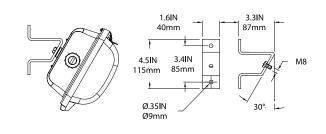
Mounting options:



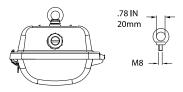
Pipe clamp bracket (ECOPMKT)



Wall mount (ECOWMKT)

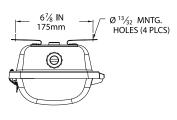


Cable suspension eye bolts (ECOEBKIT)



ED2N & EHAR only

Shock mount cornice bracket (factory installed)



ED2N & EMAR only

ED2N: For use in hazardous areas



Primary applications:

 Oil and gas exploration and production, petrochemical facilities, wastewater treatment

Environmental ratings:

- Type 4X
- IP66

Certifications and compliances:

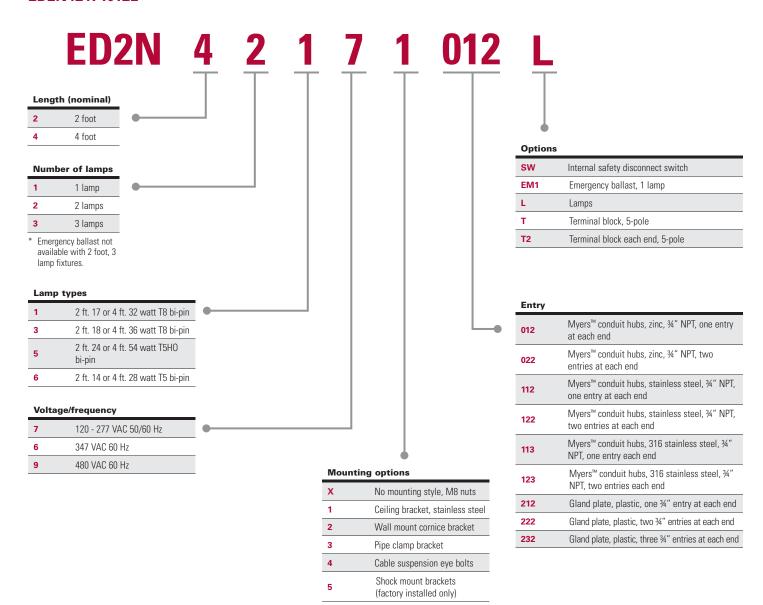
- Class I, Div. 2, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III
- UL844 Hazardous Locations
- CSA Class 3428 83; Class 3428 03
- EN 60529 Ingress Protection
- ABS

Standard materials:

- Housing UV stabilized fiberglass-reinforced polyester
- Lens injection molded polycarbonate
- Reflector engineered plastic
- Gaskets silicone
- Latches stainless steel
- Lamp holders shockand vibration-resistant polycarbonate

Ordering information:

Part number example ED2N42171012L



EMAR: For use in marine environments



Primary applications:

Shipyards, docks, marine vessels

Environmental ratings:

- Type 4X
- IP66
- Marine Outside Type Saltwater

Certifications and compliances:

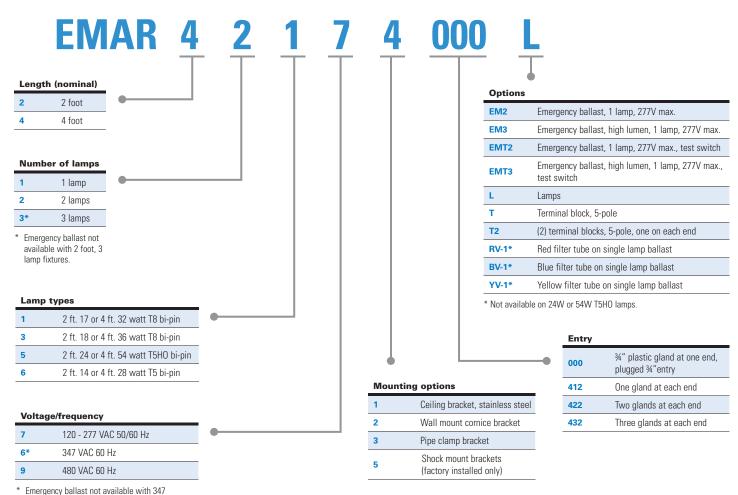
- UL924 Emergency Lighting Equipment
- UL1598A Luminaire for Marine Vessels
- ABS

Standard materials:

- Housing fiberglassreinforced polyester
- Lens injection molded polycarbonate
- Reflector engineered plastic
- Gaskets silicone
- Latches stainless steel
- Lamp holders polycarbonate

Ordering information:

Part number example EMAR42174000L



VAC model, 2 ft. fixtures or 4 ft. fixtures with wall bracket.

EHAR: For use in harsh environments



Primary applications:

 Harsh and heavy industrial, food and beverage, pulp and paper, wastewater treatment

Environmental ratings:

- Type 4X
- IP66
- Enclosed and Gasketed

Certifications and compliances:

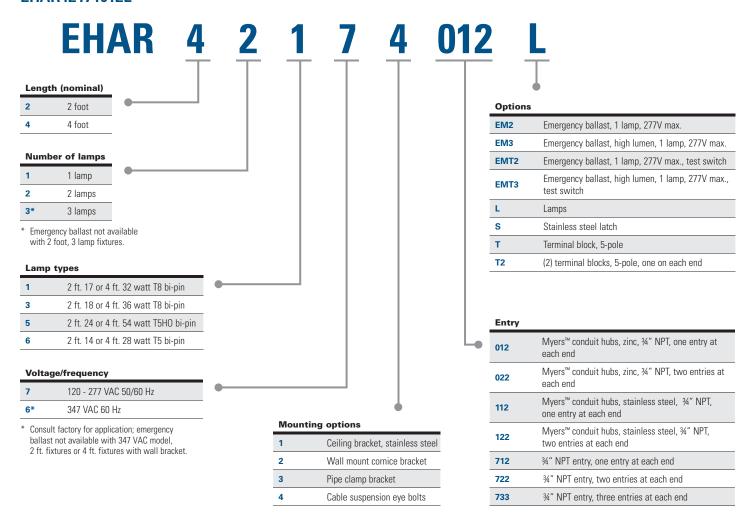
- UL924 Emergency Lighting Equipment
- UL1598 Luminaires
- cUL
- ABS

Standard materials:

- Housing fiberglassreinforced polyester
- Lens injection molded polycarbonate
- Reflector engineered plastic
- Gaskets silicone
- Latches engineered plastic (standard), stainless steel (optional)
- Lamp holders polycarbonate

Ordering information:

Part number example EHAR42174012L



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