Fixture Unit

Mounting Types

Pendant

15° Short Bracket

Ceiling

A-51™ LED FACTORY SEALED LUMINAIRES - GROUPS A, B, C, D

APPLICATIONS

- Ideal for use in chemical and petrochemical plants, and in other heavy process areas where ignitable vapors, dust, moisture and corrosive atmospheres may be present.
- Suitable for use in wet locations.
- Model for Class I, Division 1 applications where acetylene is always present.

FEATURES

- All A-51™ LED fixtures are factory sealed; no external sealing fittings required.
- Fixture unit easily threads off mounting hood for convenient servicing or for immediate exchange with new fixture.
- Specially formulated two coat baked epoxy enamel provides superior protective finish to resist corrosion. Applied to all mounting hoods, fixture units and guards.
- Light outputs up to 3,200 lumens.

Nominal Lumens	Incandescent Equivalent	Model Number
1700	100 - 150W	AALL1CBU
3200	200 - 300W	AALL2CBU
1600	100 - 150W	AALL1WBU
3100	200 - 300W	AALL2WBU

- Choice of 3000K or 5000K color temperatures.
- Globes in A-51™ fixtures are explosionproof, heat- and impact-resistant glass.
- Guards to protect globe are easily mounted to globe ring with 3 screws.
- Fixture units have standardized threads to fit all A-51™ LED mounting hoods.
- Ambient Temperature: -25 °C to +55 °C (-13 °F to +131 °F)
- 6 kV Surge Protection.
- Choice of mountings: pendant, ceiling, and 15° short bracket.

OPTIONS

- Aluminum guards available

STANDARD MATERIALS

- Fixtures and guards: copperfree (4/10 of 1% max.) aluminum
- Pendant mounting hoods: copperfree (4/10 of 1% max.) aluminum
- Ceiling and bracket mounting hoods: malleable iron with aluminum adapters

STANDARD FINISHES

- Fixtures, guards and mounting hoods: two coat gray epoxy powder coat finish, electrostatically applied for complete, uniform surface protection.

NEC/CEC CERTIFICATIONS AND COMPLIANCES

- UL Standard: UL 1598, UL 844
- CSA Standard: C22.2 No. 137; C22.2 No 250.0-08
- cULus Listed: E10444
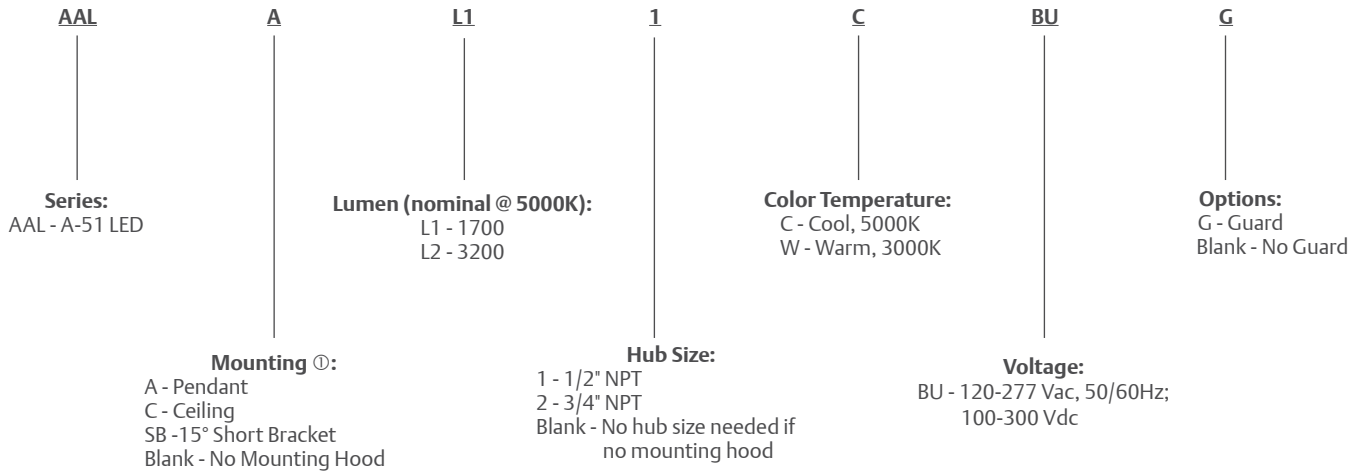- Suitable for use in Wet Locations

RELATED PRODUCTS

- Code•Master™ LED
- A-51™ Incandescent

EMERSON™

CONSIDER IT SOLVED™

PRODUCT ORDERING GUIDE

AAL	A	L1	1	C	BU	G

Series:
AAL - A-51 LED

Lumen (nominal @ 5000K):
L1 - 1700
L2 - 3200

Color Temperature:
C - Cool, 5000K
W - Warm, 3000K

Options:
G - Guard
Blank - No Guard

Mounting ①:
A - Pendant
C - Ceiling
SB -15° Short Bracket
Blank - No Mounting Hood

Hub Size:
1 - 1/2" NPT
2 - 3/4" NPT
Blank - No hub size needed if no mounting hood

Voltage:
BU - 120-277 Vac, 50/60Hz; 100-300 Vdc

① Only pendant is certified for Group A applications.

Illustrated Features A-51™ LED Class I, Division 1, Groups A, B, C, D

Thermally conductive polymer based potting compound maintains low LED driver temperature ensuring long life

Internal 6 Kv protection to prevent voltage spikes from possibly damaging the driver

Diecast Aluminum heatsink contributes to a reported L70 life of 60,000 hours; CRI > 80

Socket block with wireless connector ring and pin. As fixture is threaded onto mounting hood, connector ring and pin enter terminal recesses of connection block making electrical contact

Aluminum heatsink with gray epoxy powder coat, electrostatically applied paint that resists corrosion

Silicone optic provides a smooth light distribution with a uniform light coverage

APPLETON

EMERSON