L SERIES
FEATURES & BENEFITS

01. HOUSING
- Single-cast aluminum housing enables passive heat dissipation along the entire length of the luminaire.
- Modular design allows for easy installation, replacement and maintenance.
- Tool-less entry to driver compartment.
- IK08 rated.
- Meets 3G vibration per ANSI C136.3-2010.

02. FINISH
- Corrosion resistant polyester powder painted 100μm thickness.
- Standard colors: Grey, Black, Bronze and White.
- Customized colors are available.

03. LED & OPTICAL ASSEMBLY
- Each PCB are mounted with a TVS (Transient Voltage Suppressors) to protect the LEDs from voltage transients induced by lightning and other transient voltage events.
- High-uniformity LED optics are constructed of durable optical polycarbonate that is impact and UV resistant.
- The metal plate provides double protection for the LED light engine and prolongs LED optics life.
- Multiple optical lenses are available.
- Each LED module are 100% tested prior to assembly which is IP67 rated.

04. MOUNTING
- Side-entry mounting.
- Adjustable for 1 5/8-2 3/8" (42mm-60mm) O.D. tenon.
- Brackets are available for different installations.

05. ELECTRICAL/ KEY COMPONENTS/ CONTROLS
- 120-277VAC and 12-24VDC available.
- Surge protection (150V/10kA per ANSI/IEEE C62.41.2-2002 available.
- High-quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.
- 3-pin 5-pin 7-pin photocell are available for light level adjustments.

06. PRODUCT CERTIFICATIONS
- UL/CUL/DLC/LM79/CE/RoHS/IC
- Not all products are qualified on the DLC QPL. To view our DLC qualified products please consult the DLC Qualified Products List at www.designlights.org.
**TECHNICAL PARAMETERS**

### Ordering Information

**Power**
- 20-100W

**Input**
- 120-277VAC or 120-48VDC or 12-28VDC

**PF**
- 0.95

**Freq**
- 60Hz

### Technical Specifications

**Operating Temperature**
- -40℃ ~ +50℃

**IP Rating**
- IP67

**ANSI CCT**
- 3000K/4000K/5000K/5700K

**Certification/Qualification**
- UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS/ IK08 Optional

**Certificate/Qualification**
- Optional

**Optional**
- Type II, Type III, Type IV, Type V

**Typical Efficacy**
- 120-160lm/W

**Min CRI**
- >80

**Minimum Lumen Maintenance**
- >200,000H/>60,000H

**10KA* or 20KA SPD**
- 10KA* or 20KA

**Smart Control**
- 1-10V dimming

**Colors**
- Grey/Black/Bronze/White

**Color Options**
- Type II, Type III, Type IV, Type V

**Lighting Control**
- DALI

**Emergency Power Supply (EPS)**
- Adaptor

**Emergency Power Supply (EPS)**
- Knife Switch

**Operating Parameter**
- 120-140V/10W

**ORDERING INFORMATION**

**A30D* 30W**
- D20: Type I Medium
  - 3L: Type II Medium
  - 5L: Type III Medium
  - 5U: Type IV Medium

**A60D* 60W**
- C60: Type I Medium
  - 3L: Type II Medium
  - 5L: Type III Medium
  - 5U: Type IV Medium

**B40D* 40W**
- B80D: Type I Medium
  - 3L: Type II Medium
  - 5L: Type III Medium
  - 5U: Type IV Medium

**C100D 100W**
- Average beam angle 120°

**Color Options**
- Standard

**Model No.**
- System Power
- Voltage
- Drive Current
- Luminous Flux
- Efficacy (lm/W)

**Product Model**

**Model**
- D20/A30/A30D/B40/B40D/C60

**System Power**
- Voltage
- Drive Current
- Luminous Flux
- Efficacy (lm/W)

**Model No.**
- System Power
- Voltage
- Drive Current
- Luminous Flux
- Efficacy (lm/W)

**Product Model**
- A60/B80/C100/A60D/B80D

**System Power**
- Voltage
- Drive Current
- Luminous Flux
- Efficacy (lm/W)

**Model No.**
- System Power
- Voltage
- Drive Current
- Luminous Flux
- Efficacy (lm/W)
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