**MODEL 50-21**

**CHIP-LOK™**

**COB ARRAY HOLDER**

**FEATURES/BENEFITS:**
- Metal holder base is resistant to creep to prevent thermal and electrical issues typical at elevated operating temperatures over time.
- COB holding arm secures array to holder for ease of installation.
- Keyways allow for pre-installation of screws to ease assembly and minimize damage to phosphor.
- Touch-safe design is UL recognized for 250V to allow use in daisy chained applications.
- Stainless steel body provides additional heat sinking paths to allow array to run cooler compared with screws and plastic holders.

**ELECTRICAL:**
- Voltage: 250 V Max
- Current: 4 A Max

**MECHANICAL:**
- Diameter: 1.97 in (50.0 mm)
- Height: 0.28 in (7.2 mm) Max
- Weight: 0.28 oz (7.9 grams)
- Screw Size: #5-40 (M3)
- Screw Torque: 4 in-lb (0.4 Nm)
- Screw Circle Dia: 1.38 in (35.0 mm)
- Wire Strip Length: 1/4"-5/16" (7 mm)

**PHYSICAL:**
- Base Plate: 301 SS
- Contact Housing: Thermoplastic
- Electrical Contacts: Copper Alloy
- Plating: Silver over nickel
- Temperature: 110°C

**STANDARDS & SPECIFICATIONS:**
- RoHS and Reach compliant
- Halogen free, non-chlorinated & non-brominated flame retardant
- Recognized component UL 496 (US/Canada)
- EIA-364-1000 (Thermal Cycling)
- EIA-364-31 (Thermal Shock & Humidity)
- EIA-364-17 (Elevated Temperature - Life)
- UL 2459 (Current Cycling - Temp Rise)
- IEC 60068-2-7 (Vibration)
- US & Foreign Patents pending

**WIRE RANGE:**
- AWG (UL 496) | Metric
- Solid 18-24 AWG | 0.75 - 0.25 mm²
- Stranded 18-22 AWG | 0.75 - 0.25 mm²
- Tin Bonded 18-24 AWG | 0.75 - 0.25 mm²

**DIMENSIONS:**
- Diameter: 1.97 in (50.0 mm)
- Height: 0.28 in (7.2 mm)
- Screw Circle Dia: 1.38 in (35.0 mm)

**ORDERING INFO:**
- Catalog # | Manufacturer | COB Array | Carton Qty | Weight Lbs (Kg)
- 50-2101CR | Cree | CXA18 | 500 | 9.2 (4.2)
- 50-2102CR | Cree | CXA25 | 500 | 9.2 (4.2)
- 50-2100NC | Philips Lumileds | 1203 | 500 | 9.2 (4.2)
- 50-2100SH | Philips Lumileds | 1204, 1205, 1208 | 500 | 9.2 (4.2)
- 50-2100BL | Bridgelux | ES | 500 | 9.2 (4.2)
- 50-2105CT | Citizen | CLL030 | 500 | 9.2 (4.2)
- 50-2100SH | Sharp | MEGA ZEN | 500 | 9.2 (4.2)
- 50-2100NC | Nichia | 110/204 | 500 | 9.2 (4.2)
- 50-2103NC | Nichia | 360 | 500 | 9.2 (4.2)
- 50-2100LG | LG | | 500 | 9.2 (4.2)

**FACTORY CONTACT:**
- Engineeried Solutions
- Ideal Industries, Inc.
- 1375 Park Avenue Sycamore IL USA 60178
- P: 1-800-324-9571
- F: 1-888-222-6140
- E: oem@idealindustries.com

**REVISION: SEPTEMBER 2013**