



**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 (7.8 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  
  
RoHS AND REACH COMPLIANT  
HALOGEN FREE, NON-CHLORINATED & NON-BROMINATED FLAME RETARDANT

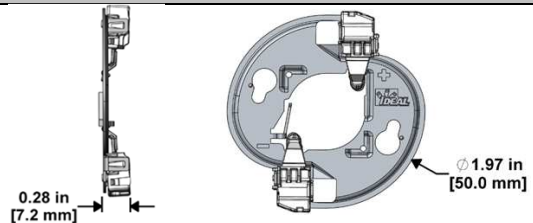
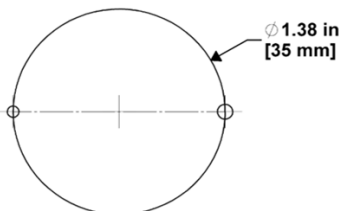
**STANDARDS & SPECIFICATIONS:**

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:**



**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)
50-2103CT	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:**

ENGINEERED 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

**SALES CONTACT:**