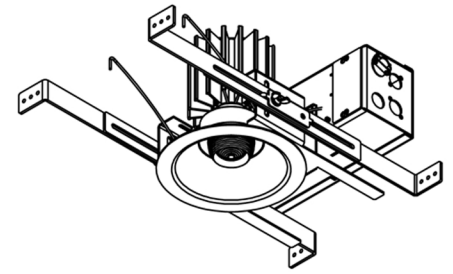


## 90° Micro-Recessed



**ELECTRICAL** ETL listed with Universal AC input 100 to 277 V, 50/60 Hz. .35 Amps limited inrush current allows up to thirty-two fixtures on a 20 Amp circuit. Quiescent power is less than a Watt with fixture powered on and DMX at level zero. The LED driver has a 320,000 hour mean time between failures. Includes the UL required thermal protector that is specific to the supply voltage.

**DIMMING CONTROL** Extremely smooth DMX controlled dimming all the way to zero output level. Single channel DMX controlled, with up to 16.7 million interpolated steps from off to full intensity. 30,000 Hz output produces no flicker to the eye or video with either line scan or global shutter cameras. DMX input is fully isolated to 2500 Volts per microsecond. Three easy-to-use rotary switches for setting the DMX address.

**LED MODULE** The Cree LEDs are carefully selected to maintain minimal color variance from fixture to fixture. Pleasing full spectrum light with all the visible colors represented. All LED modules and dimmers are manufactured at The Light Source in Charlotte, NC. Extensive production testing ensures over 105,000 hour life to L70. No appreciable IR or UV is produced by the LED module. The LED Module is field replaceable utilizing normal hand tools.

**OPTICAL** Patent pending, single source LED array emulates the look and feel of an incandescent fixture. 2.5" diameter acrylic lens produces an extremely smooth light beam. The beam center intensity value spreads evenly to the edge of the beam with a small field, producing low glare.

**THERMAL** Incredible thermal management keeps the LEDs cool, providing increased brightness and Lumen maintenance. Maximum heat exchange provided with a huge passive convection-cooled aluminum heat sink. Silent operation with no fans to generate noise. Maximum ambient operating temperature is 122 degrees F (50 degrees C).

**WARRANTY** 10 year parts replacement on complete LED fixture and electronics. Ship the LED fixture to the factory freight prepaid. The LED fixture will be repaired or replaced at the factory's option, and returned freight prepaid. Fixture repair parts may also be sent for qualified repairs onsite.

Damage from improper wiring, installation, and lightning are excluded from warranty repair.

**AGENCY RATINGS**

ETL listed in US and Canada



### Catalog Number Example: MICR40B90-30EJR

FIXTURE SERIES	INPUT WATTAGE	TRIM RING FINISH	OPTICAL BEAM ANGLE	-	LED COLOR TEMPERATURE
MICR Micro-Recessed	40	B Matte Black Powder Coat	90 90° 2.5" diameter lens		27 2700 Kelvin
		BG Semi-Gloss Black Powder Coat			30 3000 Kelvin
		C Custom RAL Color			35 3500 Kelvin
		W Semi-Gloss White Powder Coat			40 4000 Kelvin
					50 5000 Kelvin
		WM Matte White Powder Coat			56 5600 Kelvin
		60 6000 Kelvin			

POWER CONNECTION	DATA CONNECTION	FIXTURE SUPPORT METHOD	-	LED Module
E 120V Thermal Sensor	I IDC Plug on Header	R Recessed 6.5" diameter		
F 208V Thermal Sensor	J External RJ-45's	Rough In		
G 220V Thermal Sensor	N Non Dimming Fixture - No Data	2 2" x 2" Drop In		
H 240V Thermal Sensor	T Screw Terminal Plug on Header			
I 277V Thermal Sensor	W Wireless Lumen Radio Control			
	X External 5 Pin XLR's			
	Z External 3 Pin XLR's			

**THE LIGHT SOURCE MICRO Series (40W - 90 DEGREE) / LDC Data Sheet**

Luminaire: THE LIGHT SOURCE  
MICRO Series (40W - 90  
DEGREE)

Lamps: 1 x

