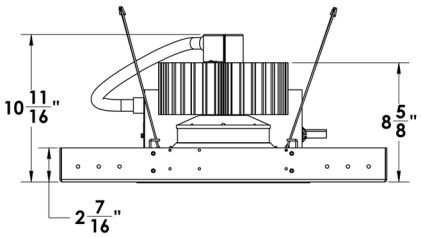
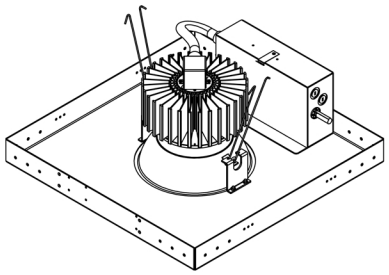
THE LIGHT SOURCE INC



46° RGBW 2'x2' Drop-In Body Recessed House Light



ELECTRICAL	ETL listed with Universal AC input 100 to 277 V. 50/60 Hz. Limited inrush current allows up to twelve fixtures on a 20 Amp circuit. Quiescent power is less than two Watts with fixture powered on and DMX at level zero. The LED driver has greater than 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 analog dimming all the way to zero output level. 32 bit processing produces no flicker to the eye or video with either line scan or global shutter cameras. 4 or 5 channel DMX controlled. (4 channel--Intensity R-G-B) or 5 channel, (Intensity-Intensity-R-G-B). DMX input is fully isolated to 2500 Volts per microsecond. Internal display for setting parameters and DMX addresses. The DMX controller is RDM enabled for address and mode setting, as well as for monitoring internal temperatures.
RGBW LED MODULE	Color mix incredibly rich colors using up to 120 Watts of any single color or combination of colors. The individual Cree LEDs are carefully selected to maintain minimal color variance from fixture to fixture. Light quality has a pleasing full spectrum 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	Single source LED emulates the look and feel of an incandescent fixture. 6" diameter tempered borosilicate glass Fresnel 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: RL120B46-30EX2-RGB

FIXTURE SERIES	INPUT WATTAGE	FINISH	OPTICAL BEAM ANGLE	-	LED COLOR TEMPERATURE
RL Recessed	120	B Matte Black Powder Coat	72 72° 6" Fresnel lens		27K 2700 Kelvin
		BG Semi-Gloss Black Powder Coat	60 60° 6" Fresnel lens		30K 3000 Kelvin
			46 46° 6" Fresnel lens		35K 3500 Kelvin
		C Custom RAL Color			40K 4000 Kelvin
		W Semi-Gloss White Powder Coat			50K 5000 Kelvin
					56K 5600 Kelvin
		WM Matte White Powder Coat			60K 6000 Kelvin

POWER CONNECTION	DATA CONNECTION	FIXTURE SUPPORT METHOD	-	LED Module
E 120V Thermal Sensor	I IDC Plug on Header	2 2' x 2' Drop-In Body		RGB RGB-W
F 208V Thermal Sensor	J External RJ-45's			
G 220V Thermal Sensor	N Non Dimming Fixture - No Data			
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			

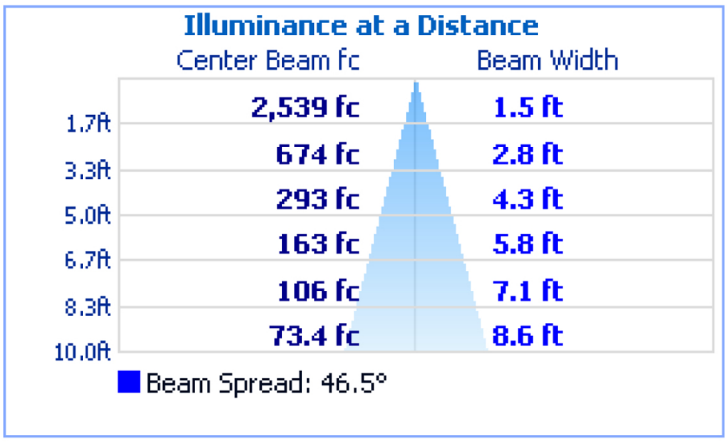
E-mail: LED@thelightsource.com Web site: www.thelightsource.com Phone: 704-504-8399 Address: 3935 Westinghouse Blvd, Charlotte, NC 28273 [V160713]

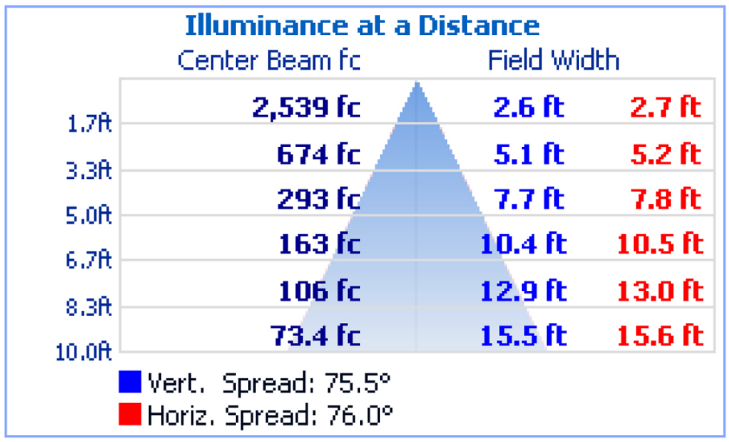
IESNA LM79-2008
TEST REPORT
46° RGBW

January 12, 2016

Test Results – Illuminance Plots

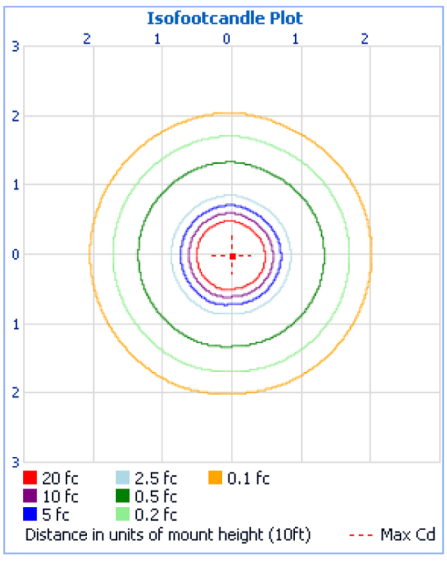
The following images depict the illuminance characteristics of the luminaire.



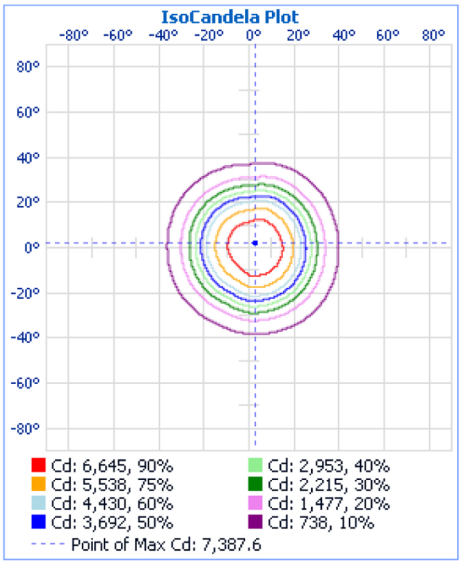


Test Results – Candela Plots

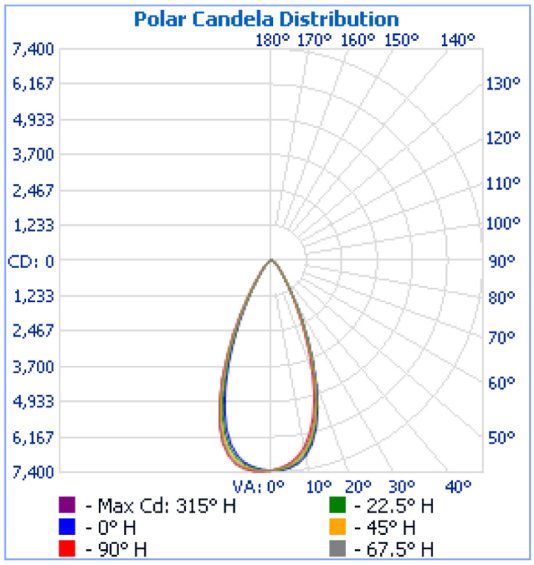
The following images depict the luminous intensity distribution characteristics of the luminaire:



Isofootcandle Plot



Isocandela Plot



Polar Candela

Maximum Candela = **7,387.6** at Horizontal: 315°, Vertical: 5°

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Testing Certificates
Electrical 2955.09

TÜV SÜD America is accredited under the ISO/IEC 17025:2005 program