

Wash Down Back Light 8"x12" Series

ELECTRICAL:

Input Voltage: 24VDC (25VDC Maximum)

Input Current: **-470** 2.8A typical (3.4A Maximum); **-530** 1.6A typical (1.9A Maximum)

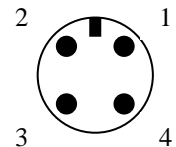
-660 1.9A typical (2.4A Maximum); **-880** 2.4A typical (2.9A Maximum)

-WHI 3.8A typical (4.3A Maximum)

Connector: Quick Connect, 4 pin Euro / Micro

Wiring:

Pin #	Wire Color	Function
1	Brown	+24VDC
2	N/C	N/C
3	Blue	+24VDC return (GND)
4	Black	PNP STROBE INPUT: < 1 VDC for "OFF" +24VDC for "ON"



MECHANICAL:

Dimensions: <http://www.spectrumillumination.com>

IPC-68 rated Enclosure

USFDA compliant enclosure, gaskets and hardware

316 Stainless Steel

Acrylic Diffuser

Silicon Gaskets

ILLUMINATION:

Light Source: LED – 4 Colors, IR

Quantity LED's: 1152

Light Emitting Pattern: 8" x 12" / 203mm x 304mm

LED Life: up to 100,000 hours*.

*Contact us for LED life information

DIFFUSERS:

Polarizer – Option /P

PART NUMBER DESIGNATION:

WBL812-XXX

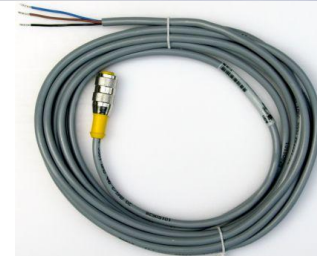
XXX = Light Color -470, -530, -660, -880 & -WHI*

* Note: White is not for continuous operation due to short LED life (10,000 hrs @ 80% output at 25°C).

Strobing at <10% duty cycle is highly recommended. Higher duty cycles will cause excess heat and shorten LED life.



WBL48 pictured



Light includes 4 meter cable, 8, 15 and 30 meter cables are available at additional cost

Color	Dash #	λ Dominant Typical	λ Dominant Range	Spectral Half-width $\Delta\lambda_{1/2}$	λ Peak Typical	Units
Infrared	-880	n/a	n/a	50	880	nm
Red	-660	643	n/a	20	660	nm
Green	-530	525	520-535	35	530	nm
Blue	-470	470	465-475	25	468	nm
White	-WHI	Color Temp 8500 K typical				