



# XS40 LIGHT

## XS Series with Internal Driver

### ELECTRICAL:

Input Voltage: 12 to 26.4VDC

Input Current: 260mA typical (1.2A max for burst) @24VDC

460mA typical (2.5A max for burst) @12VDC

*Note: Power supply must be capable of 1.2A per light for burst feature to work correctly with supplied cable.*

Strobe Input Impedance: 10KΩ – PNP typical, 9.1KΩ – NPN typical

Strobe Timing: <5 microseconds from strobe to LED on

0-10V Input Impedance: 15KΩ typical

0-10V Input Control: 0V = 100%, 10V = 0% LED current. (Can be left disconnected for 100% LED current)

Variable Intensity: Adjustable via trim potentiometer from 0% (CCW) to 100% (CW).

Over-temperature LED: 70 ± 5°C strobe disable / "Error" LED on; 5°C hyst. for strobe enable / "Error" LED off

Wiring:

Pin #	Wire Color	Function
1	Brown	+12 to +26.4VDC
2	White	NPN STROBE INPUT: GND for "ON", Open or >Vin-1V for "OFF"
3	Blue	0VDC (DC GND)
4	Black	PNP STROBE INPUT: < 1 VDC for "OFF", >3 ≤30 VDC for "ON"
5	Grey or Green/Yellow	0-10VDC analog intensity control – 0V = 100%, 10V = 0%



### ENVIRONMENTAL:

Operating Temperature: 0 to 40°C

Relative Humidity: 5 to 85% non-condensing

### MECHANICAL:

Lighted Area: 40mm

Connector: M12 - 5 pin

Weight: 3.88 oz (110g)

### ILLUMINATION:

Light Source: LED – available in White and IR

Quantity HB LED's: 1

LED Lens: White

23° FWHM Standard

32° FWHM Optional

56° FWHM Optional

LED Life: up to 100,000 hours\*.

\*Contact us for LED life information

### FEATURES:

- Built-in Driver
- Aluminum Single Interface Housing
- Auto Burst – LED high current for 500µs ±10% (burst pulse width repeatability ±1% same light), then drops to standard current
- Auto Burst Disable Switch
- 0-10VDC Intensity Control
- Potentiometer Intensity Control
- PWM Dimming Capable (with Auto Burst disabled)
- Internal Thermal Protection
- Robot Friendly Weight – 3.88 oz (110g)

### PART NUMBER DESIGNATION: XS40-XXX

XXX = Light Color – WHI, NWH and WWH

Color	Dash #	Correlated Color Temperature (CCT) / λ Peak	Typ Color Rendering Index (CRI)	Standard output per LED (min)	Burst output per LED (min)
Pure White	-WHI	5000 - 7000K	65	579 lm	1362 lm
Neutral White	-NWH	3700 - 5000K	75	508 lm	1194 lm
Warm White	-WWH	2600 - 3700K	80	457 lm	1074 lm



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