

ELECTRICAL:

Input Voltage: 23.5-26.4VDC (24VDC ±10% burst disabled)
 Input Current: 800 to 1200mA typical (5.0A max for burst) @24VDC
Note: Power supply must be capable of 5.0A per light for burst feature to work correctly with supplied cable.
 Strobe Input Impedance: 10KΩ – PNP typical, 9.1KΩ – NPN typical
 Strobe Timing: <15 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).

Wiring:	Pin #	Wire Color	Function
	1	Brown	+23.5 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 50°C
 Relative Humidity: 5 to 85% non-condensing

MECHANICAL:

Lighted Area: 23" / 584mm
 Connector: M12 - 5 pin
 Weight: 3.15 lbs. (1429g)

ILLUMINATION:

Light Source: LED – available in 6 Colors, UV and IR
 Quantity HB LED's: 24
 LED Lens: 12° FWHM Standard 16° Frosted FWHM Optional
 30° FWHM Optional 23° Frosted FWHM Optional
 50° FWHM Optional 39° Frosted FWHM Optional
 60° Reflector Optional 90° Reflector Optional
 44x15° FWHM Line Optional
 LED Life: up to 100,000 hours*.
 *Contact us for LED life information



PART NUMBER DESIGNATION: EL300-XXX XXX = Light Color – 365, 395, 470, 505, 530, 590, 630, 850, WHI

Color	Dash #	λ Dominant Typical	λ Dominant Range	Spectral Half-width Δλ½	λ Peak Typical	Units
Infrared	-940	935	n/a	45	940	nm
Infrared	-850	845	n/a	40	850	nm
Red	-630	625	620 - 650	20	638	nm
Amber	-590	590	584 - 598	14	592	nm
Green	-530	530	519 - 561	35	522	nm
Cyan	-505	505	489 - 521	30	503	nm
Blue	-470	470	459 - 491	25	464	nm
Ultra Violet	-395	395	390 - 410	n/a	n/a	nm
Ultra Violet	-365	365	n/a	8	365	nm
White	-WHI	Color Temp 5700 - 7000K				

FEATURES:

- Built-in Driver
- Auto Burst – LED high current for 500μs ±10%, then drops to standard current
- Auto Burst Disable Switch
- 0-10VDC Intensity Control
- Potentiometer Intensity Control
- PWM Dimming Capable (with Auto Burst disabled)