

ELECTRICAL: 23.5-26.4VDC (24VDC \pm 10% burst disabled)
 Input Voltage: 350 to 650mA typical (3.0A max for burst) @24VDC
 Input Current: *Note: Power supply must be capable of 3.0A per light for burst feature to work correctly with supplied cable.*
 Strobe Input Impedance: 10K Ω – PNP typical, 9.1K Ω – NPN typical
 Strobe Timing: <20 microseconds from strobe to LED on
 0-10V Input Impedance: 15K Ω 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 \leq 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

ILLUMINATION:
 Light Source: LED - 6 Colors & IR
 Quantity HB LED's - 12 / 1 color option
 Quantity HB LED's: - 6 Per Channel / 2 channel option, 12 total.
 Light Emitting Pattern: 3.35"/85mm
 LED Life: up to 100,000 hours*
 *Contact us for LED life information

Part Number Designation: DLD85-XXX XXX = Light Color - 470, 505, 530, 590, 630, WHI, 365, 395, 850 & 940.

DLD85-XXX/YYY

XXX & YYY= Light Color – see table dash # below

Order part number examples:

1 channel: DLD85-W (White) or DLD85-R (Red)
 2 channel: DLD85-850/W (850nmIR and White) or DLD85-R/B (Red and Blue)

Color	Dash #	λ Dominant Typical	λ Dominant Range	Spectral Half-width $\Delta\lambda_{1/2}$	λ Peak Typical	Units
Infrared	-940	940	n/a	37	950	nm
Infrared	-850	850	n/a	30	860	nm
Red	-R	625	620 - 630	n/a	n/a	nm
Green	-G	530	520 - 535	n/a	n/a	nm
Blue	-B	475	465 - 485	n/a	n/a	nm
Ultra Violet	-UV	395	390 - 410	n/a	n/a	nm
Pure White	-W	Color Temp 5700 - 7000K CRI 70 typ				
Natural White	-NW	Color Temp 3800 - 5000K CRI 70 typ*				
Warm White	-WW	Color Temp 2700 - 3750K CRI 70 typ*				

* higher CRI available on request



Features:

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