

## DOME LIGHT

## 180mm / 7.09" Series With Internal Driver



**ELECTRICAL:** 

Wiring:

Input Voltage: 23.5-26.4VDC (24VDC ±10% burst disabled)

350 to 650mA typical (3.0A max for burst) @24VDC per channel 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:  $10K\Omega - PNP$  typical,  $9.1K\Omega - NPN$  typical Strobe Timina: <20 microseconds from strobe to LED on</p>

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).

> Pin# Wire Color Function

Brown +23.5 to +26.4VDC 2

NPN STROBE INPUT: GND for "ON", Open or >Vin-1V for "OFF" White 3

Blue **OVDC (DC GND)** 

PNP STROBE INPUT: < 1 VDC for "OFF", >3 ≤30 VDC for "ON" Black

Grey or 0-10VDC analog intensity control – 0V = 100%, 10V = 0% Green/Yellow

**ENVIRONMENTAL:** 

Operating Temperature: 0 to 50°C

Relative Humidity: 5 to 85% non-condensing

**MECHANICAL:** 

Lighted Area: 7.09" / 180mm

Connector: M12 - 5 pin (one per channel)

Weight: 6.05lbs (2.74kg)

**ILLUMINATION:** 

LED - 4 Colors, UV and IR Light Source:

Quantity HB LED's: 10 per channel Light Emitting Pattern: 7.09" / 180mm up to 100,000 hours\*. LED Life:

\*Contact us for LED life information

## **PART NUMBER DESIGNATION:**

DLD180-XXX

XXX = Light Color – see table dash # below

Order part number examples:

2 channel: DLD180-850W (850nmIR and White) or DLD180-RNW (Red and Natural White)

3 channel: DLD180-RGB (Red, Green and Blue) or DLD180-WUVIR (White, UV and IR)

4 channel: DLD180-RGBW (Red, Green, Blue and White) or DLD180-RRRR (All channels Red)

				Spectral Half-		
	Dash	λ Dominant	λ Dominant	width	λ Peak	
Color	#	Typical	Range	$\Delta\lambda\frac{1}{2}$	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	<b>-</b>	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



- Built-in Driver(s)
- 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)



Light includes 1 per channel EC3 3-meter cable(s) - cable(s) also available in 5 meter length