

DOME LIGHT

180mm Series



GENERAL:

The DL180 can be configured with 1 to 4 different channels/colors of LED's. The DL180 can be ordered with just a single color, two color (i.e. white and infrared), three color (i.e. RGB) or four color (i.e. RGBW or RGBUV). The DL180 can also be ordered with multiple channels of the same color (except IR) for a very high output single color application.

ELECTRICAL:

Input Voltage (per CH): See LDM700 spec
 Input Current (per CH): See LDM700 spec
 Connector: M12 Quick Connect, 8 pin Euro / Micro

WARNING !!!

**Use Only Spectrum Illumination LDM Driver with Monster Lights.
 Do Not Connect Monster Lights Directly to 24VDC!**

MECHANICAL:

Dimensions: <http://www.spectrumillumination.com>
 Weight: 3.3 lbs (1.5kg)

ILLUMINATION:

Light Source: LED – 4 Colors, UV & IR
 Quantity HB LED's: 10 per channel
 Light Emitting Pattern: 7.09" / 180mm
 LED Life: up to 100,000 hours*.
 *Contact us for LED life information

PART NUMBER DESIGNATION:

DL180-XXX
 XXX = Light Color – see table dash # below
 Order part number examples:
 2 channel: DL180-850W (850nmIR and White) or DL180-RNW (Red and Natural White)
 3 channel: DL180-RGB (Red, Green and Blue) or DL180-WUVIR (White, UV and IR)
 4 channel: DL180-RGBW (Red, Green, Blue and White) or DL180-RRRR (All channels Red)



Color	Dash #	λ Dominant Typical	λ Dominant Range	Spectral Half-width Δλ½	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

Light includes LDM DIN rail mount constant current driver(s) and 4-meter cable (driver(s) is available with variable or 0-10VDC intensity control - cable also available in 8, 15 and 30 meter lengths)

Rev. Date: 2013-11-15

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WIRING:

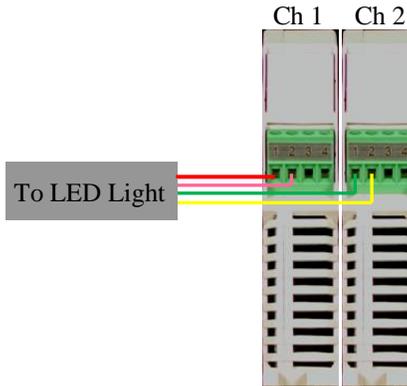
Please disregard wire color specified on _LDM700 driver and wire as indicated below:

Single Channel:

Channel	LED Color	Wire Color	_LDM Green Connector
1	As Ordered	Red	Pin 1
		Pink	Pin 2

2 Channel (Qty 2 _LDM700's required):

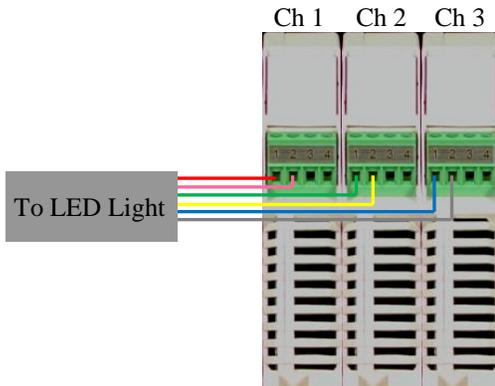
Channel	LED Color	Wire Color	_LDM Green Connector
1	As Ordered	Red	Pin 1
		Pink	Pin 2
2	As Ordered	Green	Pin 1
		Yellow	Pin 2



3 Channel (Qty 3 _LDM700's required):

RGB

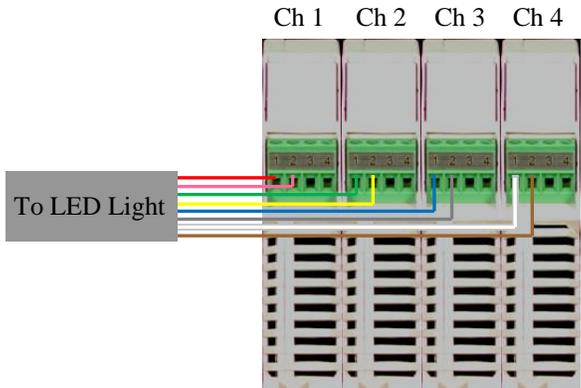
Channel	LED Color	Wire Color	_LDM Green Connector
1	Red	Red	Pin 1
		Pink	Pin 2
2	Green	Green	Pin 1
		Yellow	Pin 2
3	Blue	Blue	Pin 1
		Grey	Pin 2



4 Channel (Qty 4 _LDM700's required):

RGBW

Channel	LED Color	Wire Color	_LDM Green Connector
1	Red	Red	Pin 1
		Pink	Pin 2
2	Green	Green	Pin 1
		Yellow	Pin 2
3	Blue	Blue	Pin 1
		Grey	Pin 2
4	White	White	Pin 1
		Brown	Pin 2



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