

SPECTRUM ILLUMINATION

RING LIGHT 3" (76mm) with Internal Driver

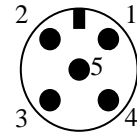


ELECTRICAL:

Input Voltage: 24VDC \pm 10%
 Input Current: 150mA typical (350mA max)
 Strobe Input Impedance: 20K Ω – PNP input, 66K Ω – NPN input typical
 0-10V Input Impedance: 27K Ω typical
 0-10V Input Intensity: 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	+24VDC
2	White	NPN STROBE INPUT: GND for "ON" Open for "OFF"
3	Blue	+24VDC return (GND)
4	Black	PNP STROBE INPUT: < 1 VDC for "OFF" >3 VDC for "ON"
5	Green	0-10VDC analog intensity control – 0V = 100%, 10V = 0%



ENVIRONMENTAL:

Operating Temperature: 0 to 50°C
 Relative Humidity: 5 to 85% non-condensing

MECHANICAL:

Dimensions: 2.7" (69mm)W x 3.4" (86mm)L x 1.15" (30mm)H
 Connector: Quick Connect, 5 pin Euro / Micro

ILLUMINATION:

Light Source: LED – 6 Colors, IR
 Quantity HB LED's: 4
 Light Emitting Area: 3.0" / 76mm
 LED Life: up to 100,000 hours*.
 *Contact us for LED life information

PART NUMBER DESIGNATION: RLD3-XXX

XXX = Light Color - 470, 505, 530, 590, 630, WHI, 850 & 940

Color	Dash #	λ Dominant Typical	λ Dominant Range	Spectral Half-width $\Delta\lambda\frac{1}{2}$	λ Peak Typical	Units
Infrared	-940	935	n/a	45	940	nm
Infrared	-850	845	n/a	40	850	nm
Red	-630	625	620 - 645	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
Pure White	-WHI	Color Temp 5700 - 7000K		CRI 70 typ		
Natural White	-NWH	Color Temp 3500 - 4500K		CRI 93 typ		



Light includes 4-meter cable - cable also available in 8, 15 and 30-meter lengths)

The RLD3 has 3 optic options for matching the area of illumination with the working distance



Monster Lenses - P/N RLD3 -XXX/XX

- ~70° Wide Angle (Standard)
- /12 – 12° Narrow
- /50 – 50° Medium Angle

