

RING LIGHT DARK FIELD Light Series

ELECTRICAL:

Input Voltage: 24VDC (25VDC Maximum)

Input Current:

RL/DF4-630 0.51A typical (0.60A Maximum); **RL/DF8-630** 1.02A typical (1.20A Maximum)

RL/DF4-880 0.59A typical (0.68A Maximum); **RL/DF8-880** 1.18A typical (1.36A Maximum)

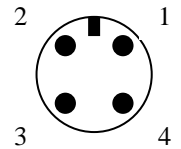
RL/DF4-950 0.59A typical (0.68A Maximum); **RL/DF8-950** 1.18A typical (1.36A Maximum)

Strobe Impedance: **RL/DF4** = 588 ohms; **RL/DF8** = 294 ohms

Connector: Quick Connect, 4 pin Euro / Micro

Wiring:

Pin #	Wire Color	Function
1	Brown	+24VDC
2	N/C	N/C
3	Blue	+24VDC return (GND)
4	Black	PNP Strobe Input: < 1 VDC for "OFF" +5VDC to +24VDC for "ON"



MECHANICAL:

Dimensions: <http://www.spectrumillumination.com>

Standard sizes available are 4"x4" and 8"x8"

ILLUMINATION:

Light Source: LED – 1 Color, IR

Quantity LED's: 10 per square inch

Light Emitting Pattern: See individual dimension drawings

LED Life: up to 100,000 hours*.

*Contact us for LED life information

DIFFUSERS:

Shower Glass – Standard

White, Opaque – Option /WD

White, Semi Opaque – Option /MWD

Thin Film Diffuser – Option /TFD

Polarizer – Option /P

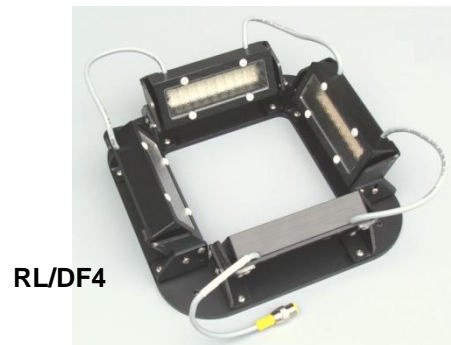
PART NUMBER DESIGNATION:

RL/DF4-XXX for 4"x4" light

RL/DF8-XXX for 8"x8" light

XXX = Light Color -630, -880 & -950

Color	Dash #	λ Dominant Typical	λ Dominant Range	Spectral Half-width $\Delta\lambda_{1/2}$	λ Peak Typical	Units
Infrared	-950	n/a	n/a	55	950	nm
Infrared	-880	n/a	n/a	80	880	nm
Red	-630	633	627 - 639	15	645	nm



RL/DF4



RL/DF8



Light includes 4 meter cable,
8, 15 and 30 meter cables are
available at additional cost