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# LED Highly-Diffused Lights (75 mm)

# CE

### Features

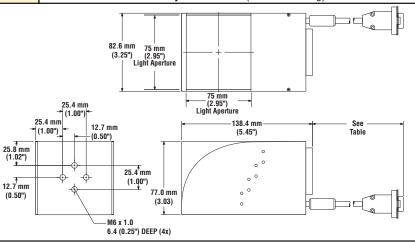
- Designed to minimize surface textures and elevation changes, while providing uniform illumination over the field of view
- 59 mm x 75 mm light aperture
- The suggested field of view is 38 mm in diameter and the suggested stand off is 25 mm
- · Black anodized aluminum housing

## LED Highly-Diffused Light Models

Models	Illumination Type	Color	Cable	Supply Voltage	Supply Current	Connections
LEDRS75N <sup>†</sup>	Continuous	Red 640 nm	0.5 m (18") terminated with 9-pin	12V dc ±10% with voltage regulation of ±1%	980 mA max.	Pin 1 = +V fan Pin 2 = dc common fan Pin 3 = dc common Pin 4 = +V
LEDGS75N <sup>†</sup>	highly-diffused light	Green 530 nm	D-sub connector (male pins)		1.0 A max.	Power supply model PSA-12(E) or PS2V-12(E) is recommended (see other side)
LEDRS75N-S†	Strobed highly-diffused light	Red 640 nm	1.8 m (6') terminated with 9-pin D-sub connector (male pins)	24V dc ±10% with voltage regulation of ±1%	7.0 A max. 1 ms pulse	Pin 4 or 5 = +V Pin 1 or 6 = dc common Use strobe control module model SCM (see other side)

#### <sup>†</sup> These models are not stocked and are non-returnable.

Useful Life	Green model: 50,000 hours; Red models: 60,000 hours. Note: actual useful life of strobed lights depends on duty cycle		
Environmental Rating IEC IP20; NEMA 1			
Operating Conditions	Temperature: 0° to 40°C (+32° to 104°F) Maximum relative humidity: 95% at 40°C (non-condensing)		



**WARRANTY:** Banner Engineering Corp. warrants its products to be free from defects for one year. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture found to be defective at the time it is returned to the factory during the warranty period. This warranty does not cover damage or liability for the improper application of Banner products. This warranty is in lieu of any other warranty either expressed or implied.

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# **Continuous Power Supplies**

Models	Input	Input Cord	Output	Output Cable	Used with	
PSA-12	100-250V ac	North America (NEMA 5-15)	12V dc ±5% with voltage	1.8 m (6') Terminated with 9-pin D-sub	Continuous types: LEDR\$75N	
PSA-12E	50/60 Hz	Cont. Europe (Schuko CEE 7)		connector (female pins)	LEDGS75N LEDGS75N	
PSC-24 <sup>†</sup>	100-250V ac	North America (NEMA 5-15)	24V dc ±5% with voltage	2-wire Co	SCM Strobe Control Module (see below)	
PSC-24E <sup>+</sup>	50/60 Hz	Cont. Europe (Schuko CEE 7)	regulation of ±1% 2.2 A max.			

# Variable Power Supplies (see data sheet p/n 67449)

Models	Input	Input Cord	Output	Output Cable	Used with	
PS2V-12 <sup>†</sup>	100-140V ac 60 Hz	North America (NEMA 5-15)	2-channels 6 - 12V dc	1.8 m (6') Terminated with	Continuous types: LEDRS75N	D. D.
PS2V-12E <sup>+</sup>	200-250V ac 50 Hz	Cont. Europe (Schuko CEE 7)	2 A max. per channel	max. per 9-pin D-sub	LEDGS75N	300

## **Strobe Control Module** (see data sheet p/n 67448)

Models	Input	Trigger Input	Output	Output Pulse Range	Used with	
SCM⁺	24V dc ±5% 2 A max.	5 - 12V dc pulse rising or falling (switch selectable)	2-channels 24V dc ±5% 9 A nominal per	5 to 1,300 microseconds	Strobed types: LEDRS75N-S	A.
(Use Power Supply PSC-24 or PSC-24E)		10 mA max.	channel @ 60 Hz			

# **Extension Cables**

Models	Length	Configuration	Used with			
DB906 <sup>+</sup>	1.8 m (6')	Terminated both ends with 9-pin D-sub connector, for continuous lights	Continuous types:			
DB910 <sup>+</sup>	3.0 m (10')	(one end male pins and opposite end female pins)	LEDRS75N			
DB9Y <sup>†</sup>	1.8 m (6')	Y cable for powering 2 lights from one supply, for continuous lights				
DB906S <sup>+</sup>	1.8 m (6')	Terminated both ends with 9-pin D-sub connector, for strobed lights				
DB910S <sup>†</sup>	3.0 m (10')	(one end male pins and opposite end female pins)	Strobed types: LEDRS75N-S			
DB9YS <sup>†</sup>	<b>IB9YS</b> <sup>t</sup> 1.8 m (6') Y cable for powering 2 lights from one supply, for strobed lights		1			
<sup>†</sup> These models are not stocked and are non-returnable.						

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