

## LED Area Lights (100 x 100 mm)



### Features

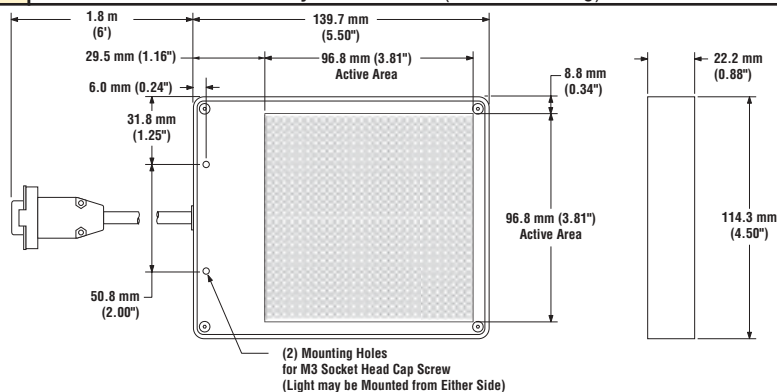
- 100 x 100 mm LED array for direct or low-angle illumination
- Continuous light and strobed models available
- Choose white, red, blue, or infrared LED models
- Black anodized aluminum housing

### LED Area Light Models

Models	Illumination Type	Color	Cable	Supply Voltage	Supply Current	Connections
LEDWA100X100N <sup>†</sup>	Continuous non-diffused light	White 6500 K	1.8 m (6') terminated with 9-pin D-sub connector (male pins)	12V dc $\pm 10\%$ with voltage regulation of $\pm 1\%$	900 mA max.	12V dc models: Pin 4 = +V Pin 3 = dc common
LEDBA100X100N <sup>†</sup>		Blue 470 nm			1.2 mA max.	
LEDRA100X100N <sup>†</sup>		Red 640 nm				
LEDIA100X100N <sup>†</sup>		Infrared 940 nm				
LEDWA100X100N-24 <sup>†</sup>		White 6500 K		24V dc $\pm 10\%$ with voltage regulation of $\pm 1\%$	900 mA max.	24V dc models: Pin 6 = +V Pin 8 = dc common Power supplies listed on other side of this data sheet are recommended
LEDBA100X100N-24 <sup>†</sup>		Blue 470 nm			1.2 mA max.	
LEDRA100X100N-24 <sup>†</sup>		Red 640 nm				
LEDIA100X100N-24 <sup>†</sup>		Infrared 940 nm				
LEDWA100X100N-S <sup>†</sup>	Strobed non-diffused light	White 6500 K		24V dc $\pm 10\%$ with voltage regulation of $\pm 1\%$	17 A max. 1 ms pulse	Pin 4 = +V Pin 1 = dc common Use strobe control module model SCM (see other side)
LEDBA100X100N-S <sup>†</sup>		Blue 470 nm				
LEDRA100X100N-S <sup>†</sup>		Red 640 nm				
LEDIA100X100N-S <sup>†</sup>		Infrared 940 nm				

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

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




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## Accessories


### Continuous Power Supplies

Models	Input	Input Cord	Output	Output Cable	Used with
PSA-12	100-250V ac 50/60 Hz	North America (NEMA 5-15)	12V dc $\pm 5\%$ with voltage regulation of $\pm 1\%$ 3.5 A max.	1.8 m (6') Terminated with 9-pin D-sub connector (female pins)	Continuous types: <b>Model suffix "N"</b>
PSA-12E		Cont. Europe (Schuko CEE 7)			
PSA-24†		North America (NEMA 5-15)	24V dc $\pm 5\%$ with voltage regulation of $\pm 1\%$ 2.2 A max.		Continuous types: <b>Model suffix "N-24"</b>
PSA-24E†		Cont. Europe (Schuko CEE 7)			
PSC-24†	100-250V ac 50/60 Hz	North America (NEMA 5-15)	24V dc $\pm 5\%$ with voltage regulation of $\pm 1\%$ 2.2 A max.	1.8 m (6') 2-wire Unterminated	<b>SCM</b> Strobe Control Module (see below)
PSC-24E†		Cont. Europe (Schuko CEE 7)			




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

Models	Input	Input Cord	Output	Output Cable	Used with
PS2V-12†	100-140V ac 60 Hz	North America (NEMA 5-15)	2-channels 6 - 12V dc 2 A max. per channel	1.8 m (6') Terminated with 9-pin D-sub connector (female pins)	Continuous types: <b>LEDWA100X100N</b> <b>LEDBA100X100N</b> <b>LEDRA100X100N</b> <b>LEDIA100X100N</b>
PS2V-12E†	200-250V ac 50 Hz	Cont. Europe (Schuko CEE 7)			



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

Models	Input	Trigger Input	Output	Output Pulse Range	Used with
SCM†	24V dc $\pm 5\%$ 2 A max.	5 - 12V dc pulse rising or falling (switch selectable) 10 mA max.	2-channels 24V dc $\pm 5\%$	5 to 1,300 microseconds	Strobed types: <b>LEDWA100X100N-S</b> <b>LEDBA100X100N-S</b> <b>LEDRA100X100N-S</b> <b>LEDIA100X100N-S</b>
(Use Power Supply PSC-24 or PSC-24E)			9 A nominal per channel @ 60 Hz		



### Extension Cables

Models	Length	Configuration	Used with
DB906†	1.8 m (6')	Terminated both ends with 9-pin D-sub connector, for continuous lights (one end male pins and opposite end female pins)	Continuous types: <b>Model suffix "N" and "N-24"</b>
DB910†	3.0 m (10')		
DB9Y†	1.8 m (6')	Y cable for powering 2 lights from one supply, for continuous lights	
DB906S†	1.8 m (6')	Terminated both ends with 9-pin D-sub connector, for strobed lights (one end male pins and opposite end female pins)	Strobed types: <b>Model suffix "N-S"</b>
DB910S†	3.0 m (10')		
DB9YS†	1.8 m (6')	Y cable for powering 2 lights from one supply, for strobed lights	

† These models are not stocked and are non-returnable.