



HL16 K2 LED LIGHT ENGINE SINGLE COLOR



FEATURES / BENEFITS

- ▲ Three LUXEON® K2 LEDs complete with heatsink housing comparable to MR16 size
- ▲ Easy retrofit to existing MR16 fixtures
- ▲ Sub lens included for choice of light distribution
- ▲ Choice of 7 different colors
- ▲ Long life of 50,000hrs at 40°C ambient temperature
- ▲ Optimized thermal management
- ▲ No UV or IR
- ▲ Optional Onboard Drive

OPERATING CONDITIONS

- ▲ Operating Ambient Temperature -10°C to +40°C (14°F to 104°F)
- ▲ Maximum Current 350mA
- ▲ Power Consumption 3.6W

MECHANICAL DIMENSIONS

Diameter = 50.0mm (1.97")

Height = 35.0mm (1.38"), 37.5mm (1.48") with sub lens attached

Lead Length = 500mm (19.68")

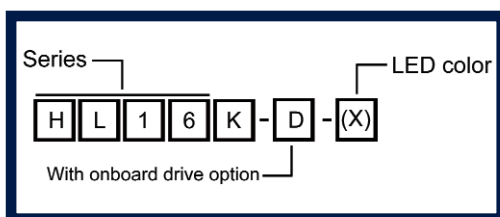
APPLICATION

- ▲ Accent lighting
- ▲ Landscape lighting
- ▲ Display cases
- ▲ Anywhere MR16 lamps are used

MATERIALS/FINISH

- ▲ LUXEON® K2 LEDs
- ▲ Die Cast heatsink construction
- ▲ Micro and wide sub-lens included

PART NUMBERS



LED Color (X)

W = Cool White
NW = Neutral White
WW = Warm White
R = Red
G = Green
B = Royal Blue
A = Amber

Dialight Corporation

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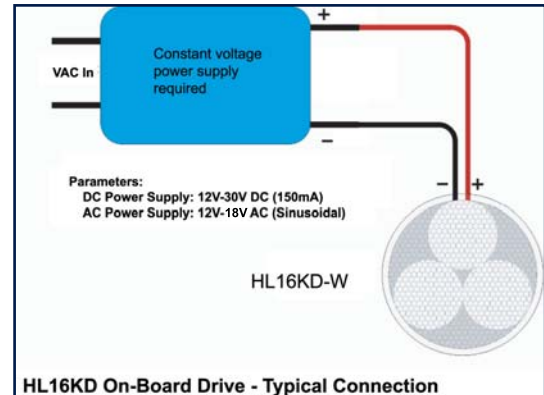
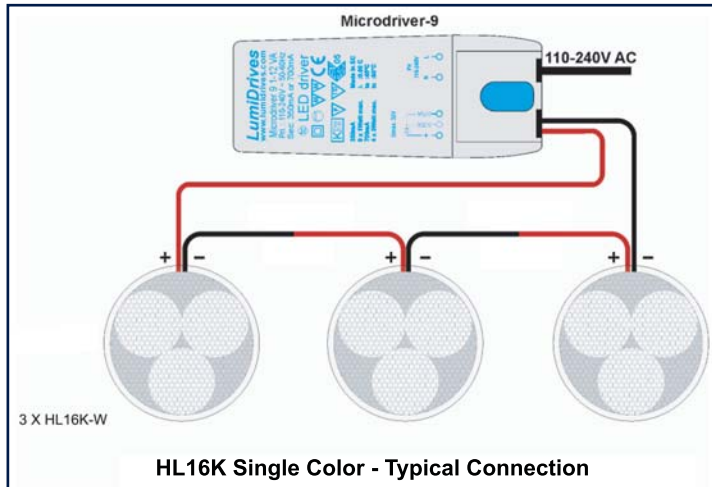
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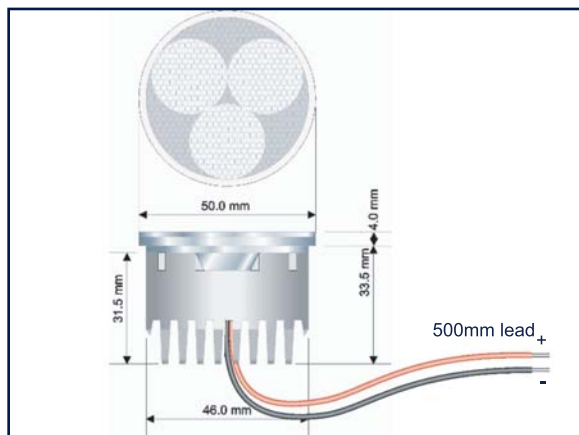
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Dialight reserves the right to make changes at any time in order to supply the best product possible.

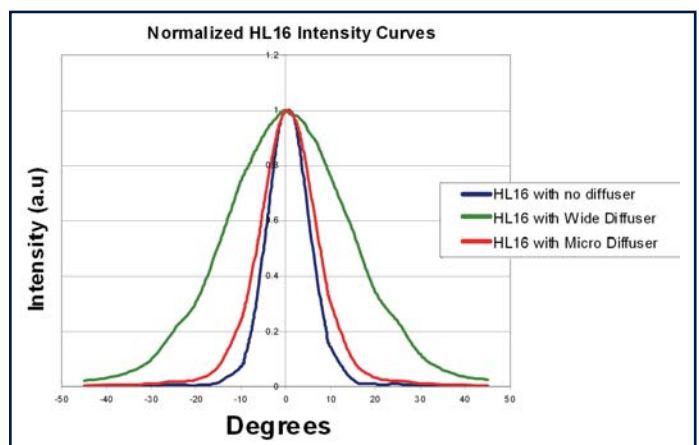
WIRING INFORMATION



MECHANICAL DRAWING



PHOTOMETRIC DATA



TYPICAL LED PHOTOMETRIC DATA

LED	Color	Forward Voltage (Typ)	Max. Current (mA)	Max. Power (Watts)	Dom Wavelength / CCT			Min Luminous Flux (lm) / Radiometric Power (mW)	Typ Luminous Flux (lm) / Radiometric Power (mW)
					Min	Typ	Max		
	Red	2.95	350	1.03	620.5 nm	627 nm	645 nm	30.6 lm	45 lm
	Green	3.42	350	1.20	520 nm	530 nm	550 nm	39.8 lm	45 lm
	Royal Blue	3.42	350	1.20	440 nm	455 nm	460 nm	175 mW	200 mW
	Cool White	3.42	350	1.20	4500 K	5500 K	10000 K	39.8 lm	45 lm
	Neutral White	3.42	350	1.20	3500 K	4100 K	4500 K	39.8 lm	45 lm
	Warm White	3.42	350	1.20	2650 K	3000 K	3500 K	39.8 lm	45 lm

Results are LED manufacturer's test data @ 25°C JTC'. Light output at 55°C PCB temperature will be approximately 15-20% lower. Elevated temperatures will result in further degradation of light output. For maximum performance use appropriate heat sinking.

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