



HL16 LED LIGHT ENGINE



FEATURES / BENEFITS

- ▲ Three 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 5 different colors
- ▲ Long life of 50,000hrs at 70°C PCB temperature
- ▲ Optimized thermal management
- ▲ No UV or IR
- ▲ Optional Onboard Drive

OPERATING CONDITIONS

- ▲ Operating Ambient Temperature -10°C to +40°C
- ▲ Maximum Current 350mA

MECHANICAL DIMENSIONS

Diameter = 50.0mm (1.97")
 Height = 35.0mm (1.38"), 37.5mm (1.48") with wide sub lens attached
 Lead Length = 500mm (19.68")

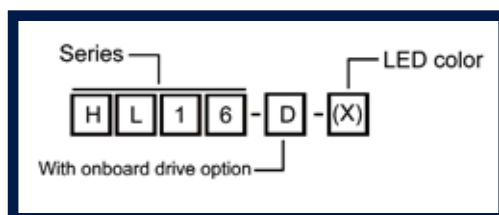
APPLICATION

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

MATERIALS/FINISH

- ▲ Die Cast heatsink construction
- ▲ Wide sub-lens included

PART NUMBERS



LED Color (X)

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

Dialight Corporation

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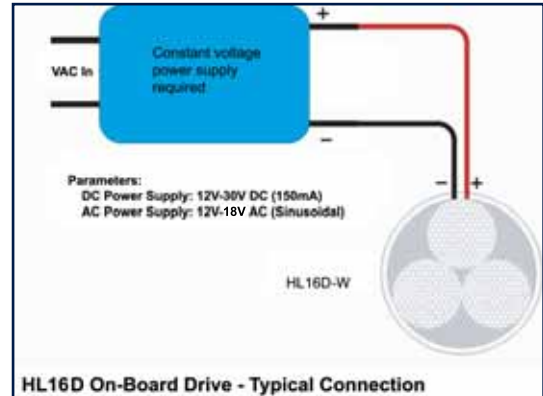
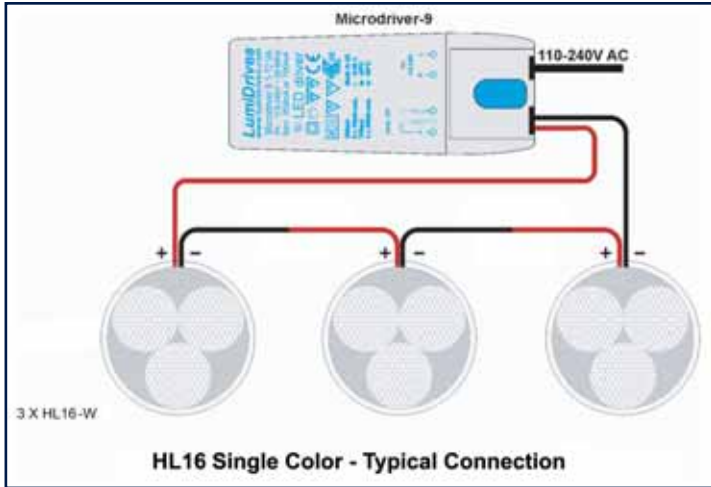
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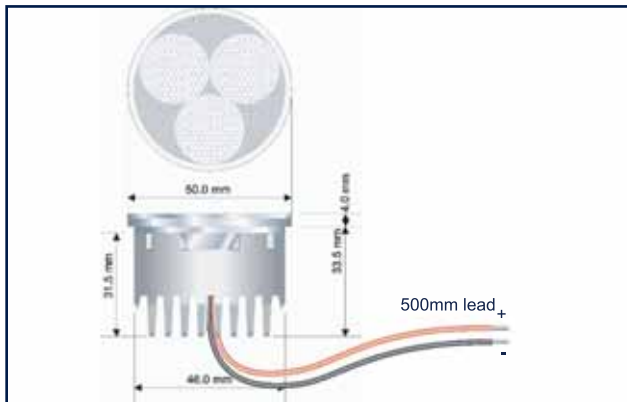
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Dialight reserves the right to make changes at any time in order to supply the best product possible.

WIRING INFORMATION



MECHANICAL DRAWING



ELECTRICAL SPECIFICATIONS

Power Consumption = 3.6 watts

Maximum Current = 350mA constant current

TYPICAL LED PHOTOMETRIC DATA

Color	Typical Light Output in Lumens/mW @ 350mA
W White	42 lm
B Blue	203 mW
G Green	42 lm
R Red	32 lm
A Amber	34 lm

HL16 modules are supplied with:
OPAA- 3-WSL Triple wide sub-lens

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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