

HL16 RGB LED LIGHT ENGINE



OPERATING CONDITIONS

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

MECHANICAL DIMENSIONS

Diameter = 50.0mm (1.97")
Height =36.0mm (1.42"), 37.5mm (1.48") with sub lens attached
Lead Length = 150mm (5.91")

PART NUMBER

HL16-RGB

FEATURES / BENEFITS

- ▲ Individually controllable red, blue and green LED's complete with heatsink housing comparable to MR16 size
- ▲ Ability to create infinite numbers of colors or dynamic color changing effects
- ▲ Easy retrofit to existing MR16 fixtures
- ▲ Sub-lenses included for choice of light distribution
- ▲ Long life of 50,000hrs at 70°C PCB temperature
- ▲ Optimized thermal management
- ▲ No UV or IR
- ▲ Available Color Kinetics pass through license, consult factory for details

APPLICATION

- ▲ Dynamic color changing
- ▲ Entertainment lighting
- ▲ Accent lighting
- ▲ Landscape lighting
- ▲ Display cases
- ▲ Anywhere MR 16 lamps are used

MATERIALS/FINISH

- ▲ Die Cast heatsink construction
- ▲ Wide & micro sub-lenses included

ASSOCIATED CABLES

RJ45-CON ASSY: Connector assembly (1 required per

HL-16 RGB)

RJ45-C: Termination plug

RJ45-XLRM: RJ45 male to molex male 100mm cable **RJ45-XLRF**: RJ45 male to molex female 100mm cable

CDL-M3M: Molex male to male 3m cable

Dialight Corporation

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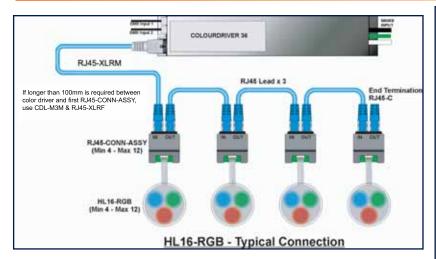
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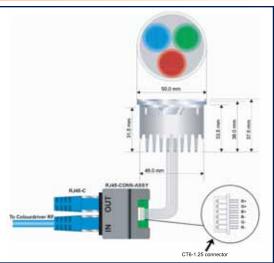




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WIRING INFORMATION





COMPATIBLE DRIVERS

Model	Maximum number of HL16s connected	Supply Voltage	Dimming	Dimensions
Colordriver RF	6	110 - 240 V	х	179 x 53 x 32 mm
Colordriver 36	4 -12	110 - 240 V	х	310 x 55 x 45 mm

ELECTRICAL SPECIFICATIONS

Power Consumption = 3.6 watts

Maximum Current = 350mA constant current

TYPICAL LED PHOTOMETRIC DATA

Co	lor	Typical Light Output in Lumens/mW
R	Red	32 lm
В	Blue	204 m W
G	Green	42 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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