

# Dialight



## COMPACT HIGH INTENSITY LED Downlight With “Blue Out” or “Red Out”



### FEATURES / BENEFITS

- ▲ 1750 lumens white light output in a compact design.
- ▲ Blackout mode activated via external control changes output to dim blue or red light
- ▲ Dimming mode activated via push button switch reduces light level to 5-100%
- ▲ Low profile design - less than 1” high
- ▲ Low voltage operation - 28 VDC +/- 15%
- ▲ Low power consumption – 22.5 Watts maximum
- ▲ Long life – 50,000 hour lifetime at 70% lumen maintenance
- ▲ Extremely rugged design, impact and vibration resistant

### APPLICATIONS

- ▲ Military shelters
- ▲ Interior lighting for military vehicles
- ▲ Shipboard lighting
- ▲ General interior illumination where low profile and high light output are required

### OPERATING CHARACTERISTICS

- ▲ Operating temperature range:  
-40°C to +49°C (-40°F to +120°F)
- ▲ Storage and transit temperature range:  
-45°C to +71°C (-49°F to +160°F)
- ▲ Cool white light (5000 - 7000K)
- ▲ For optimal performance, light should be mounted to a flat metal surface

### MECHANICAL DIMENSIONS

- ▲ 10.750” x 4.750” x 0.625”  
(273.05mm X 120.65mm X 15.88mm)
- ▲ 0.96” [24.38mm] height including control buttons  
Approx. 27 oz (0.76Kg)

### ELECTRICAL SPECIFICATIONS

- ▲ Input voltage range: 28 VDC +/- 15%
- ▲ Nominal power consumption: 22.5W
- ▲ Nominal input current: 0.95A @ 28V input
- ▲ EMI/RFI shielding: Complies with MIL-STD-461E, RE102 & CE102
- ▲ Meets MIL-STD-1474D for operating noise requirements
- ▲ For normal mode (full brightness), connect 28VDC to red wire & ground to black wire
- ▲ For “blue out” or “red out”, switch 28VDC to grey wire & keep ground to black wire

### MATERIALS / FINISH

- ▲ Diecast aluminum housing
- ▲ White powder coat finish
- ▲ Vacuum metalized reflector
- ▲ Polycarbonate lens
- ▲ 10” jacketed lead wires with female Molex connector + 24” jacketed extension cable with male Molex connector included
- ▲ 20 high flux white LEDs & 4 high flux royal blue or red LEDs

#### Dialight Europe Ltd

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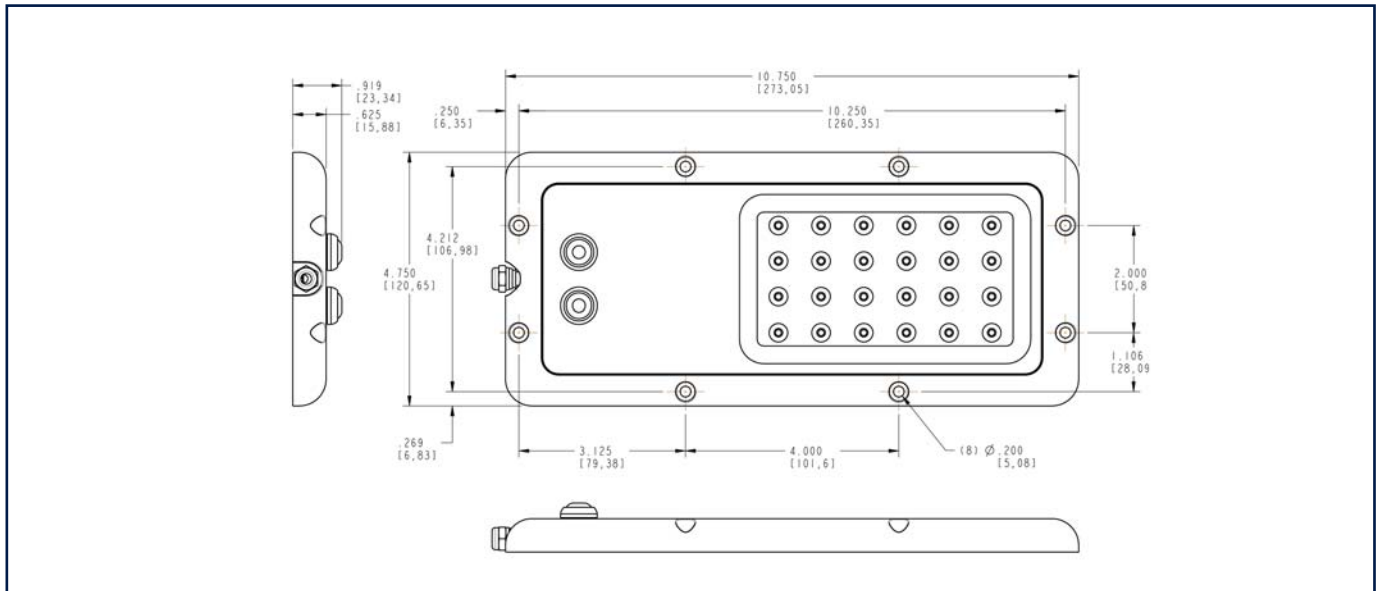
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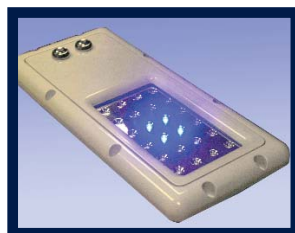
## MECHANICAL DRAWINGS



## ORDERING INFORMATION

PART NUMBER	DESCRIPTION	MAX LUMEN OUTPUT
LMB-W27-24A-RLA-D2	White light output with "blue out" function wide optic	1750 lumens
LMB-X27-24A-RLA-D2	White light output with "blue out" function spot optic	1750 lumens
LMR-W27-24A-RLA-D2	White light output with "red out" function wide optic	1750 lumens
LMR-X27-24A-RLA-D2	White light output with "red out" function spot optic	1750 lumens

Consult factory for alternate LED color configurations.



## PHOTOMETRIC DATA

Please consult factory for photometric data.

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