GENERAL DESCRIPTION

With spacing up to 55 ft in 9 ft ceilings, this recessed down light with a 4” trim is our most efficient emergency luminaire; very effective in long corridors, it is inconspicuous and will blend with general lighting fixtures without affecting the appearance of ceiling layouts.

CONSTRUCTION

• 4” Trim ring installation with standard can and back plate.

• Three versions available:
  BB=Unit equipment with self-contained battery
  RE=Remote for connection to 24 VDC Central Battery System
  AC=Remote for connection to AC 120/277 emergency supply.

ELECTRONICS

• Lamps are connected in parallel. If one lamp fails, one or more lamps will continue in operation.

• Universal 120/277 VAC input for standard battery or AC unit, or 24 VDC input for remote configuration.

• Power supply delivers regulated current and voltage to LED lamps at optimum levels to maximize lamp life.

• Automatic battery diagnostics available for all battery models.

ENERGY EFFICIENT OPERATION

• Emergency lighting with optional dual function operation for night or security lighting.

• Very low power consumption in optional night/ security mode. The security lighting circuit is independent of emergency lighting and may be switched manually, by an exterior photocell, or other automatic means.

• Over 50,000 hour lamp life in normal use.

• IES photometric data available for all models.

CODES

• Manufactured and tested to UL Standard 924 and NFPALife Safety Code 101.

WARRANTY

• 5 year total customer satisfaction warranty. For details see product catalog technical data section.
SUGGESTED SPECIFICATIONS:
Install MOONLITE® Series MLD Recessed LED downlight emergency lighting fixture manufactured by Signtex Inc., available as unit equipment or as a remote device connected to a central battery power source. Upon loss of AC building power, emergency models shall operate for a minimum of 90 minutes under battery power, in compliance with UL 924 and NFPA LSC Code 101. The unit may be specified to operate continuously for security or night lighting, as required. The battery charger and power supply shall have universal input of 120/277 VAC, with brownout and LVD circuit protection. Auto battery diagnostics shall be available for all models, as specified and shall perform all test functions specified by UL 924 and NFPA 101.

MOUNTING DATA & DIMENSIONS:
Integral Hanger Bars

4" Trim Ring

Test Switch & Status Light (BB Models)

SECURITY LIGHTING CONTROL

RE Models: Requires SEC Option ‘S’ with CBL
BB Models: Requires Option ‘-SB120’ for connection to 120 VAC
Requires Option ‘-SD277’ for connection to 277 VAC
BB-DG Models: Requires Option ‘-SD’ for connection to 120/277 VAC

ORDERING INFORMATION:
EXAMPLE: MLDRE7W-DP

POWER RATING

MODEL OPERATION WATTS
BB Emergency 7 10
SEC/ Normal On 4 5
RE Emergency 7 10
SEC- Standard 4 5
SEC- HPS 7 10
AC Line Voltage 4 7

SELF- TEST DIAGNOSTIC FUNCTIONS
BB MODELS WITH DG FUNCTION

LED DISPLAY
NORMAL FULL CHARGE GREEN ON
NORMAL FAST CHARGE GREEN FLASH
FAILED BATTERY ORANGE ON
FAILED LAMP ORANGE FLASH
FAILED TRANSFER RED FLASH SLOW
FAILED CHARGER RED FLASH FAST

STATUS
NORMAL FULL CHARGE GREEN ON
NORMAL FAST CHARGE GREEN FLASH
FAILED BATTERY ORANGE ON
FAILED LAMP ORANGE FLASH
FAILED TRANSFER RED FLASH SLOW
FAILED CHARGER RED FLASH FAST

SUGGESTED SPECIFICATIONS:

SPACING GUIDE

Average Illuminance 1 Fc

Model Mtg. Ht. Path of Egress Width SPACING

7 W 9’ 3 Ft. 6 Ft. 10 Ft.
50’ 40’ 25’
10 W 9’ 55’ 50’ 40’

NOTE: TESTED IN ACCORDANCE WITH IES STANDARD LM-79-08 FOR SOLID STATE LIGHTING PRODUCTS. FOR REFERENCE ONLY. STANDARD REFLECTANCES 80/50/20. SIGNTEX IS NOT RESPONSIBLE FOR SPECIFIC CONDITIONS THAT MAY ALTER THE RESULTS. COMPLETE IES PHOTOMETRIC DATA AVAILABLE AT WWW.SIGNTEXINC.COM FOR YOUR CONVENIENCE.

CONTACT SIGNTEX FOR LAYOUT ASSISTANCE
Code Compliant Emergency lighting layouts provided free of charge!