

Medical MRI Downlight

Non-Magnetic Recessed Sealed 6" Aperture LED Downlight

- **Non-Ferrous Construction for use in MRI Suites**
- **IP65 Rated**
- **Available Entrance Filters for MRI Compatibility**
- **Each Fixture Supplied With Remote Mounted Driver**



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ORDERING GUIDE

Series	Installation	Material	Size	LED Selection	CRI/CCT Selection	Voltage	Baffle	Door (Trim)	Options
ML									
SERIES	INSTALLATION	MATERIAL	SIZE	LED SELECTION	CRI/CCT SELECTION	VOLTAGE	BAFFLE	DOOR (TRIM) FINISH	OPTIONS
ML	IBD: Recessed (Suitable for Flange & Grid)	4: Non-Magnetic	8: 8" Housing	DLM15: 1500Lm Package DLM20: 2000Lm Package DLM30: 3000Lm Package NOTE: Lumen packages are nominal, verify actual values on the energy data chart.	80 CRI 830: 80 CRI 3000k 835: 80 CRI 3500k 840: 80 CRI 4000k 90 CRI 930: 90 CRI 3000k 935: 90 CRI 3500k 940: 90 CRI 4000k	UNV: 120V-277V	WB: White Grooved Baffle BB: Black Grooved Baffle NB: Nickel Baffle SR: Specular Reflector	10KV: 10kv Surge Protection FF: Fuse and Fuse Holder FPL: .118" Frost Polycarbonate Lens EM7: Remote Mount 7W Battery Pack (Specify Input Voltage)	
								Required Accessories Ordered Separately:	
								WT: White Painted Trim ST: Polished Stainless Trim	MRIF3: Three circuit filter for 3 fixtures MRIF6: Six circuit filter for 6 fixtures MRIF9: Nine circuit filter for 9 fixtures

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SPECIFICATIONS

HOUSING: Non-magnetic stainless steel body and spun aluminum housing and plaster frame. All hardware and components are not magnetic.

DOOR FRAME: Aluminum or stainless steel formed with continuous lens hold-down system and screwless entry. Cleanroom style construction with a smooth cleanable surface with no crevices.

GASKETS: Closed microcellular extruded gasket located at interface of door to housing. Silicone seals the lens to the door.

BAFFLE: Supplied with a wide variety of baffles and reflectors. See options for availability.

LENS: Clear non-prismatic .125" thick polycarbonate lens mechanically secured and silicone sealed to door frame. Optionally available with frosted polycarbonate lens.

LED: LEDs are available in several lumen configurations as well as 80 & 90 CRI. Up to 3400 Lumens delivered and supplied with an integrated heatsink to maintain thermal efficiency and prolong the life of the light engine.

ELECTRICAL: Constant current static low voltage DC provide from included remote driver. Drivers are 0-10v dimming standard as 1% and are supplied with the fixtures in a remote enclosure. Entrance filters must be purchased separately.

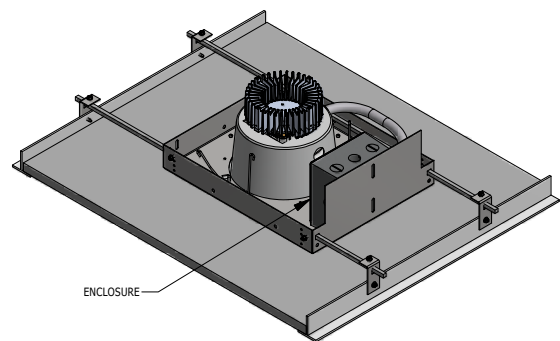
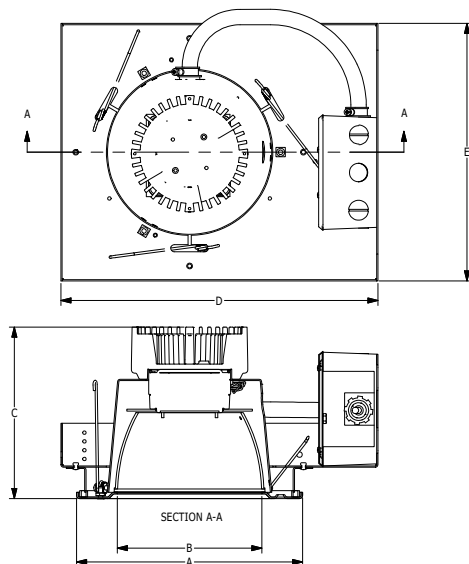
INSTALLATION: Adjustable brackets allow for seismic support and secure attachment to metal T-Bars, joists or structural metal framing. Sealed 1/2 inch trade size knockouts for wiring. Suitable for 1, 1.5 and 2 inch T-bar widths as well as drywall or plaster ceiling.

FINISH: Antimicrobial white polyester powder coat on doorframe surface. Stainless steel trims are satin polished.

LISTINGS: IP65 rated for dust and water ingress. ETL listed per UL_1598 for wet locations. Chicago Plenum Rated. Military Standard 461F compliant for conducted and radiated emissions. Non-Magnetic construction. Drivers and LEDs are covered by a 5 year warranty, the remaining fixture is covered by a 10 year warranty.

PRODUCT DRAWINGS

DOWNLIGHT REFERENCE DIMENSIONS						
MODEL	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F
SBD/IBD	9.00"	5.75"	6.85"	12.65"	10.25"	26.00"



12-AA-L-DOWNLIGHT DWG DATE: 4/11/2107

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ENERGY DATA

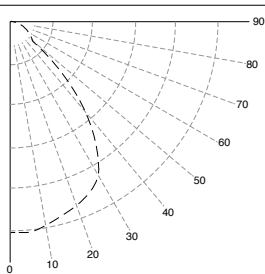
SEALED LED DOWNLIGHT						
LIGHT PACKAGE	CRI	DELIVERED LUMENS (Lm) ¹	WATTAGE (W) ²	EFFICACY (LM/W)	DIMMING AVAILABILITY	MAX AMBIENT TEMP (°C) ³
DLM15	80+	1,536	18	85.3	0-10V 1%	40°C (104°F)
DLM15	90+	1,532	21	73.0	0-10V 1%	40°C (104°F)
DLM20	80+	2,117	21	100.8	0-10V 1%	40°C (104°F)
DLM20	90+	2,047	30	68.2	0-10V 1%	40°C (104°F)
DLM30	80+	3,454	42	82.2	0-10V 1%	40°C (104°F)
DLM30	90+	3,277	51	64.3	0-10V 1%	40°C (104°F)
EM7	NA	440-570Lm	4	NA	0-10V 1%	35°C (95°F)

- 1: DELIVERED LUMEN DATA IS EXTRAPOLATED FROM MEASURED DATA @25C WITH NO EXTRA OPTIONS.
- 2: WATTAGE IS MEASURED @ 120vAC AND Tambient = 25C. WATTAGES MAY VARY AND WHEN OPTIONS ARE SELECTED
- 3: MAX TEMP RATING IS WITH NO OTHER OPTIONS SELECTED.(NON-IC)

PHOTOMETRICS

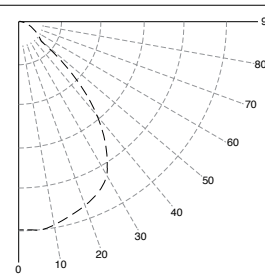
ML-IBD-4-8-DLM15-940-UNV-WBWT

Report No: 20577.0
 Total Lumens: 1,532
 Wattage: 20.537
 Efficacy: 74.6 (Lumens Per Watt)
 Fixture Size: 6"
 Key:
 - - - - - 0
 45
 _____ 90



ML-IBD-4-8-DLM20-940-UNV-WBWT

Report No: 20579.0
 Total Lumens: 2,047
 Wattage: 29.487
 Efficacy: 69.4 (Lumens Per Watt)
 Fixture Size: 6"
 Key:
 - - - - - 0
 45
 _____ 90



ML-IBD-4-8-DLM30-940-UNV-WBWT

Report No: 20581.0
 Total Lumens: 3,277
 Wattage: 50.812
 Efficacy: 64.5 (Lumens Per Watt)
 Fixture Size: 6"
 Key:
 - - - - - 0
 45
 _____ 90

