



PULLMAN REGIONAL HOSPITAL - MRI ROOM, PULLMAN (WA)
Architect: Collins Woerman

a · light

MRI (magnetic resonance imaging) rooms present a unique challenge to designers due to the powerful magnetic force emitted by imaging equipment. Engineered to precise considerations for MRI room applications, the a•light MRI configuration option offers designers the ability to specify our most popular luminaires in a specialized, non-ferrous, MRI compliant housing. This allows the designer scalable use of matching luminaires throughout the facility, retaining appearance and distribution patterns into hallways, patient rooms, surgical suites, lobbies, atriums, cafeterias and offices.

In the example medical facility, the accoLED - D4 fixture was specified as a dimmable LED asymmetric, wall mounted using milled aluminum blocks, and a dust cover to maintain cleanliness. Visual comfort and glare-control are key factors in providing patient comfort and accurate technician operation. The accoLED - D4 provides appropriate light levels needed to effectively and efficiently illuminate this special application. Remote mounting of the driver along with special non-ferrous fixture components ensure an MRI compliant product application. To order MRI luminaires, add “-MRI” to the end of each part number, where available, and contact the factory immediately to begin the quotes / submittal process. Please review each respective specification sheet to insure availability.

For any questions, our Design Assist Department is here to help.



PROPERTIES

Non-Ferrous Components. Due to the strong MRI magnet, a projectile effect of over 40mph into the tube can be generated by even small ferrous objects, potentially causing serious injury or fatality. Therefore, all MRI fixtures are carefully engineered with non-ferrous materials. Housings are made from aluminum extrusion, internal parts are built from aluminum or plastics.

Remote Mounting All power supplies are to be remote mounted due to steel construction of the LED driver. The electricity going from the driver to the fixture is Direct Current (DC), which further reduces the chance of interference. Remote driver boxes provided by the factory, unless otherwise specified. One driver box per driver. All boxes are properly labeled for ease of wiring.


Available Mounting Types for MRI. Direct to wall, perimeter, set-off block, ceiling mount, bottom mount (cove) and recessed. Suspended mounting not available with MRI, as it is not non-ferrous.


Lensing All luminaires must be specified with a dust cover (if indirect distribution) or a lens (if direct) for maintenance purposes, preventing the collection of dust and contaminants.


Electronic Non-Interference. Our luminaires meet the most stringent requirements for electromagnetic compatibility. MRI machines emit powerful radio frequency pulses and imaging may be comprised by electronic interference within the area. Our fixtures do not interfere with, nor are they susceptible to, these frequencies. We provide an MRI filter to eliminate interference. MRI filter are provided by factory, unless otherwise specified. It can be provided by others.

DANGER

**RESTRICTED ACCESS
STRONG MAGNETIC FIELD**
Magnet is always on



 **NO CARDIAC PACEMAKERS OR IMPLANTABLE CARDIOVERTER DEFIBRILLATORS**
Persons with metallic, electronic, magnetic or mechanical implants, devices or objects may not enter this area

 **NO LOOSE METAL OBJECTS**
Objects made from ferrous materials must not be taken into this area. Serious injury or damage may result. Electronic objects such as cell phones and hearing aides may also be damaged.

APPLICABLE LUMINAIRES:

