TRIN

Healthcare Lighting Best Practices:

The Patient-Centric MRI Suite



SCOTTRegional Sales Manager, Central



CHADNational Sales Manager



AMANDA
Regional Sales Manager, West



CHRIS
Exec. Vice President



A Legacy of Innovation

Founded in 1895, we are the longest-operating independent luminaire designer and manufacturer in the US lighting industry.











- ➤ 1970s Kirlin developed the recessed motorized exam light with Dr. DeBakey
- ➤ **1980s** Kirlin provided non-ferromagnetic lighting for the world's first MRIs









Trusted by the Best



























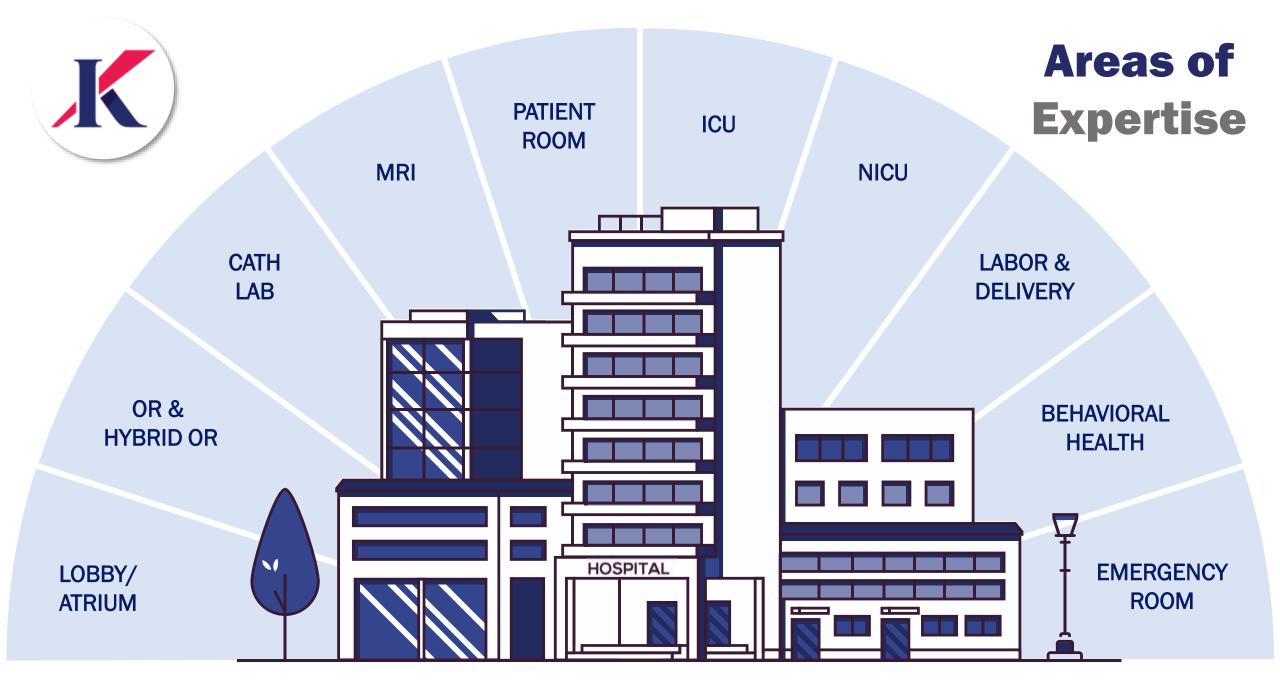








Kirlin lighting is trusted by all of the U.S. News'
Top 20 Honor Roll hospitals.

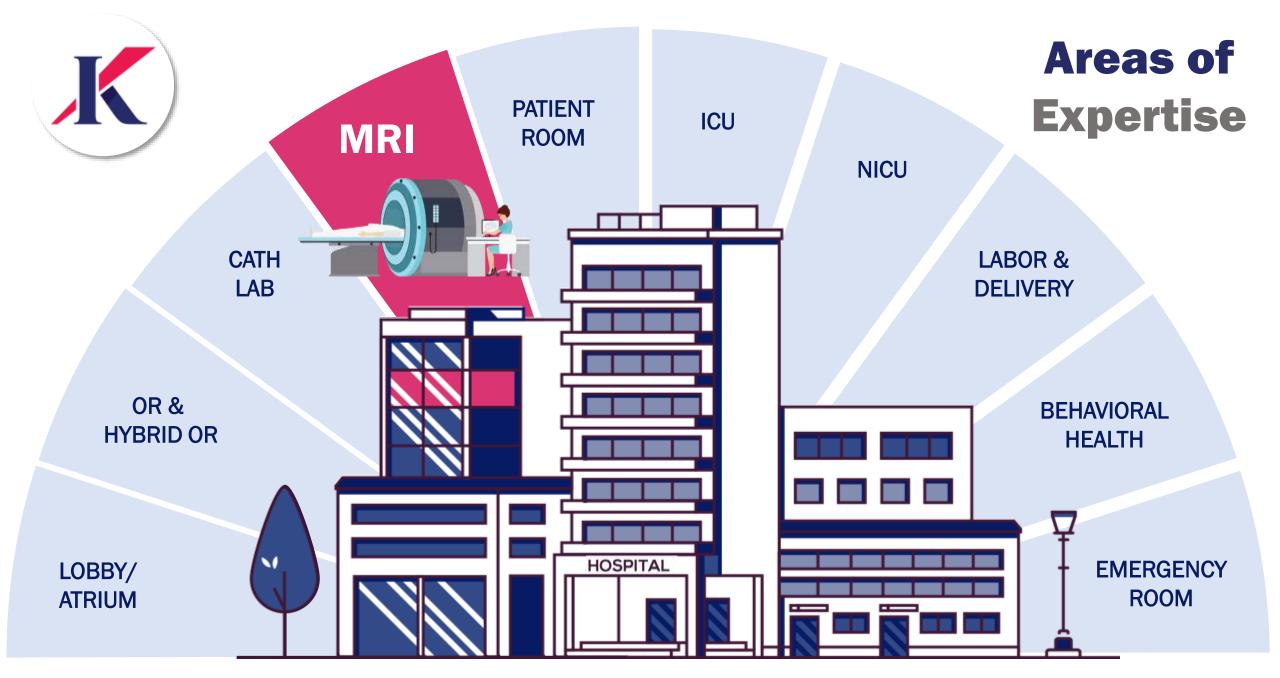


Core Principles











MRI Scanners

Where to find them?

Dedicated MRI Suites

Hybrid Operating Rooms



A Room Within a Room

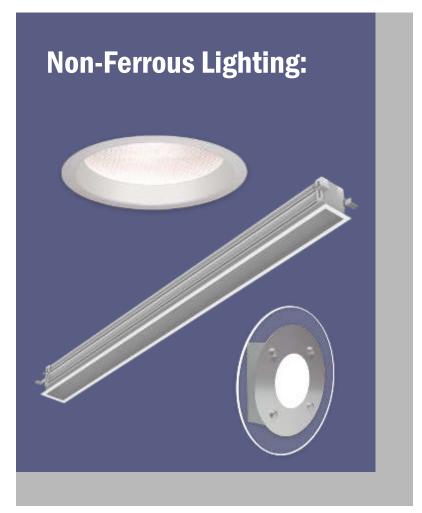
Why do we shield MRI suites?

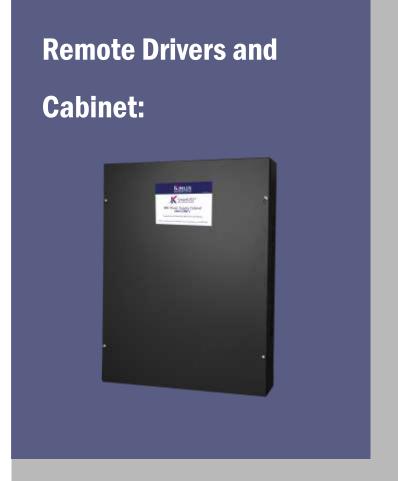
- Prevent image artifacts do to RF/EM "noise"
- Protect other medical equipment from the powerful magnet





MRI Lighting









But What About The Patient?

Who gets MRI scans?

Young and Old

Large and Small

Mobile and Immobile

www.kirlinlighting.com

Patient Centric MRI Lighting Toolkits



AMBIENT & TASK



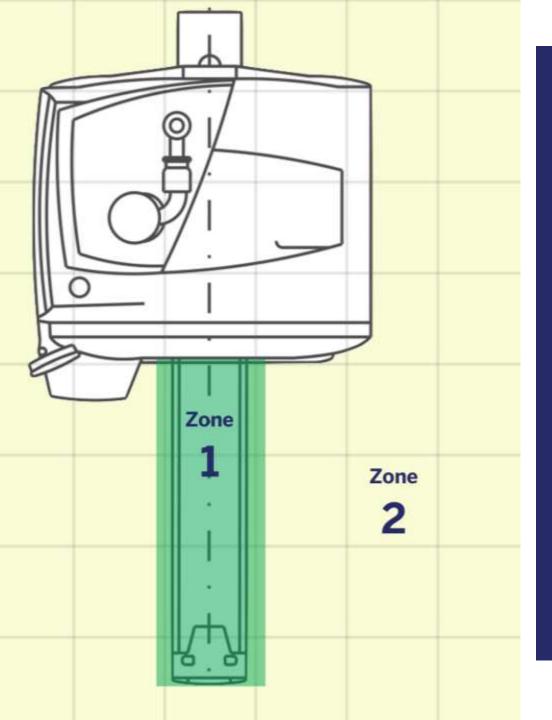
DECORATIVE & DYNAMIC



Ambient & Task Lighting

Improving the patient experience through comfortable, sufficient illumination, thoughtfully deployed





Ambient/Task Light Levels

IES

RP-29-20

Kirlin

Recommendation

Zone 1

Patient Transfer Table

75 fc

(5 fc during scan)

75-100 fc

(5 fc during scan)

Zone 2

Room Perimeter and General Space

30 fc

(5 fc during scan)

30-50 fc

(5 fc during scan)

Improper Design



Suspended or track fixtures



Downlight over patient's face



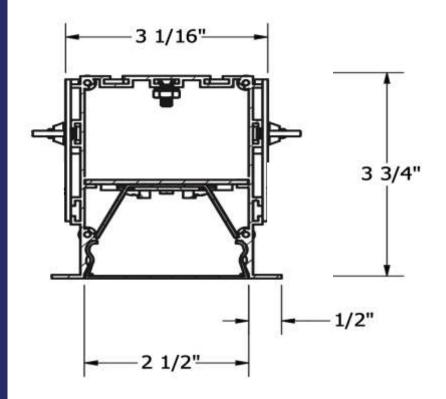


NEW MRL-2 Slot

Static White for Ambient Illumination

At a Glance

- > Approx. 800 lm/ft
- > 2.5" aperture
- > 2' increments
- > 3.75" depth





MRL-2 Slot

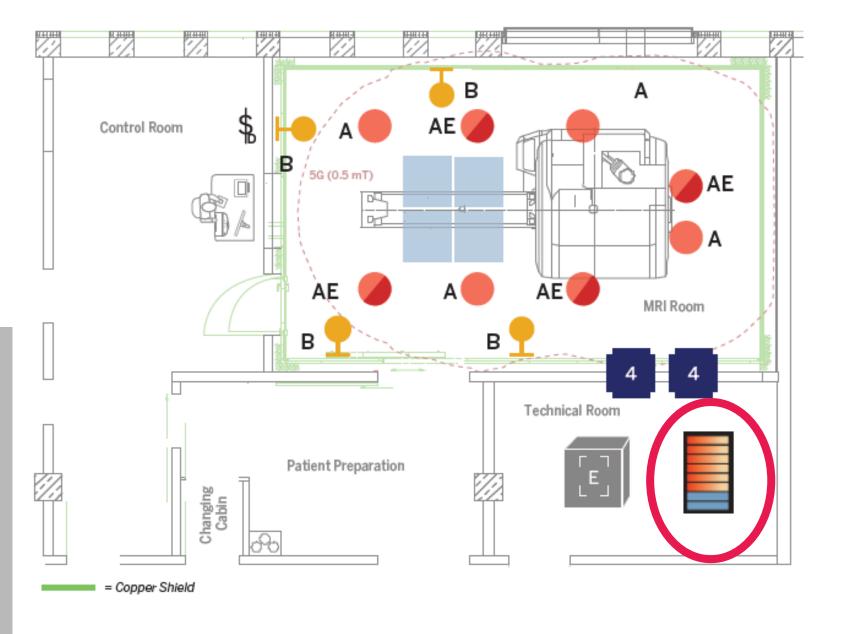
Static White for Ambient and Task Illumination





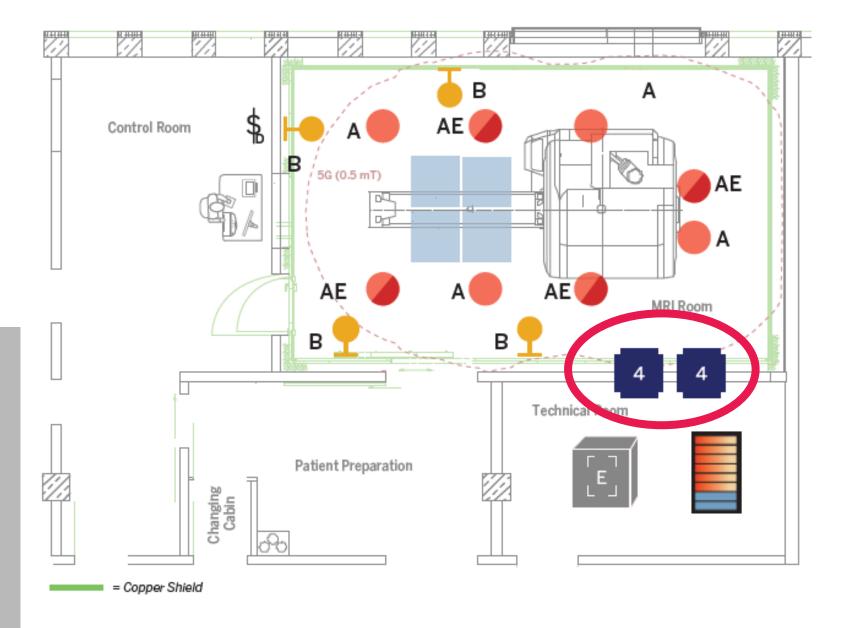
Remote Drivers

- Driver location
- Remote mounted in the equipment room



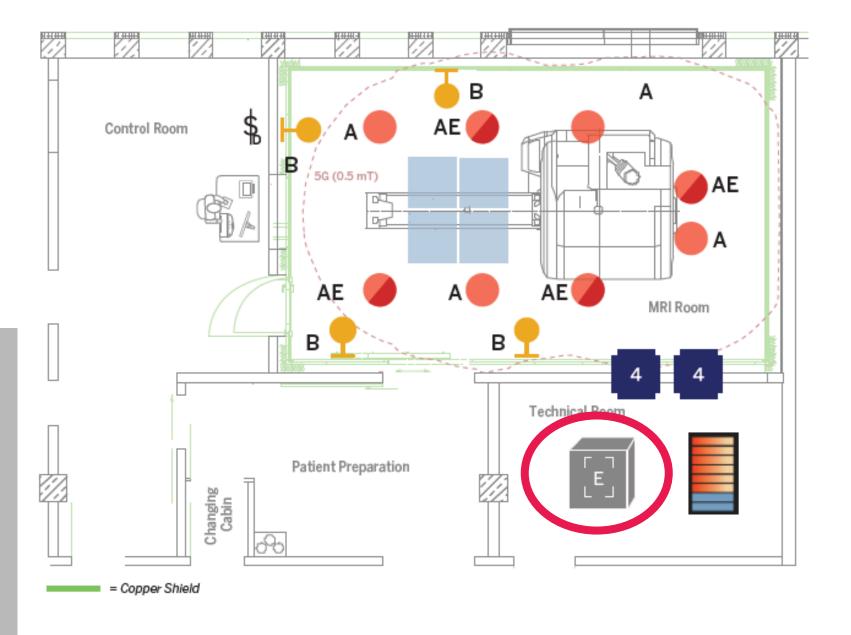
RFI/EMI Filters

- > RFI/EMI Filtering
- Mounted on the copper shield
- Multiple channel filters minimizethe openings in the shield



Emergency Backup

- Emergency Lighting
- Remote inverter in equipment room takes load off of generators







Decorative & Dynamic

Improving the patient experience
through the introduction of dynamic
color, scenes of nature, and
decorative architectural elements



Scenic Panels

- Large format scenes
- Regressed frame



Ideal MRI Suite

Putting it all together:

- Ambient
- > Task
- Decorative Panels





Ideal MRI Suite

Putting it all together:

- Ambient
- > Task
- Dynamic Lighting



Patient Centric MRI Lighting Toolkits



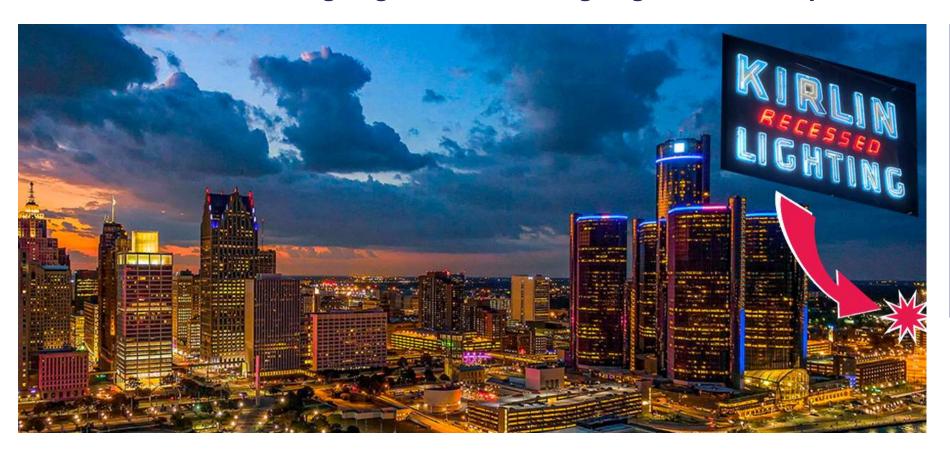
AMBIENT & TASK



DECORATIVE & DYNAMIC

CEU Seminars: Join Us in Detroit

8 Credit Course: Healthcare Lighting Best Practices – Lighting the Modern Hospital



2022 Course Dates:

- May 12-13
- > September 22-23
- October 27-28

