



Style  
S301  
(in coves)

**Engineer:** Dunlap & Partners  
**Photography:** Chris Cunningham

**MRI Room:**

Plan: 16'-0" wide x 26'-6" long, soffit extends into space 2' on three sides  
Heights: Soffit = 8'-0", top of cove lip = 8'-4", raised ceiling = 9'-0"  
Lighting: (10) S301-R06G-S-00-1-OM-0-30-0 (6' long) and  
(1) S301-R03G-S-00-1-OM-0-30-0 (3' long) remote-driver  
cove lights with "OM" option for MRI use  
Estimated illuminance (uplights only): 15 fc avg. initial @ 3'-0" a.f.f.  
Estimated power density (uplights only): 1.1 W/sf

# fraqtir Style S301

With no metal filaments or fragile glass envelopes, solid state lighting can operate safely within a strong magnetic field for extended hours – often outlasting the test device’s magnet. Long service life reduces the frequency of maintenance as well as the potential for accidents due to forgotten tools.

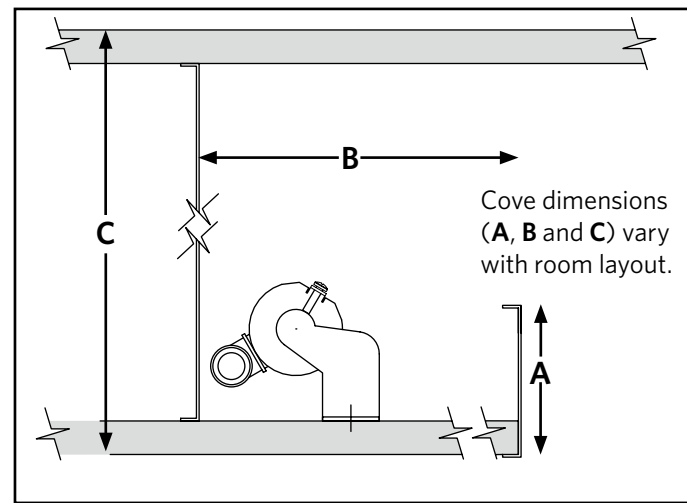
Concealed, indirect cove lighting spares reclined patients from direct glare, helping to offset the stress often associated with the MRI procedure. The precise optical control of **fraqtir** creates an asymmetric distribution that illuminates the ceiling uniformly from the room’s perimeter. Powered by advanced LUXEON emitters from Philips Lumileds, the **Style S301** produces a warm white light with great color rendering.

Remote dimming drivers outside of the room’s magnetic field enable technicians to adjust light levels for procedural setup and patient comfort. In the unlikely event that an individual LED should fail, a thin film flip chip ensures the balance remain illuminated. When maintenance is eventually performed, internal light engine assemblies are removable in 12” increments for service or upgrade without having to disassemble the entire row.

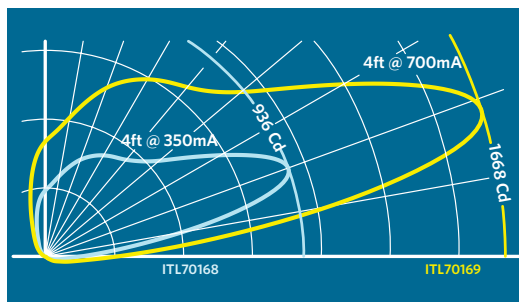
The DOE’s Hospital Energy Alliance is committed to harnessing new technologies to develop net-zero buildings by 2025. **fraqtir** offers an energy efficient solution that promotes patient comfort.



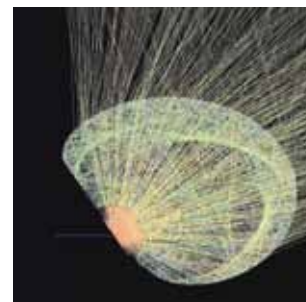
A snap-fit lens protects the refractor and LED components, providing a smooth surface for easy cleaning.



Adjustable optical assemblies optimize aiming and can interlock to aim the entire row as one. Once aimed, set screws lock the orientation.



Precise optical control ensures that virtually all of the light gets out of the cove onto the target surface.



**fraqtir's** proprietary optic uses refraction and total internal reflection (TIR) to channel and transform light from a linear LED array into a smooth asymmetric distribution.



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