



Best Practices for Healthcare Lighting

# Labor and Delivery



**RICH**

Regional Manager - West



**SCOTT**

Regional Manager - Central



**AMANDA**

Marketing Director



**CHAD**

National Sales Manager



**CHRIS**

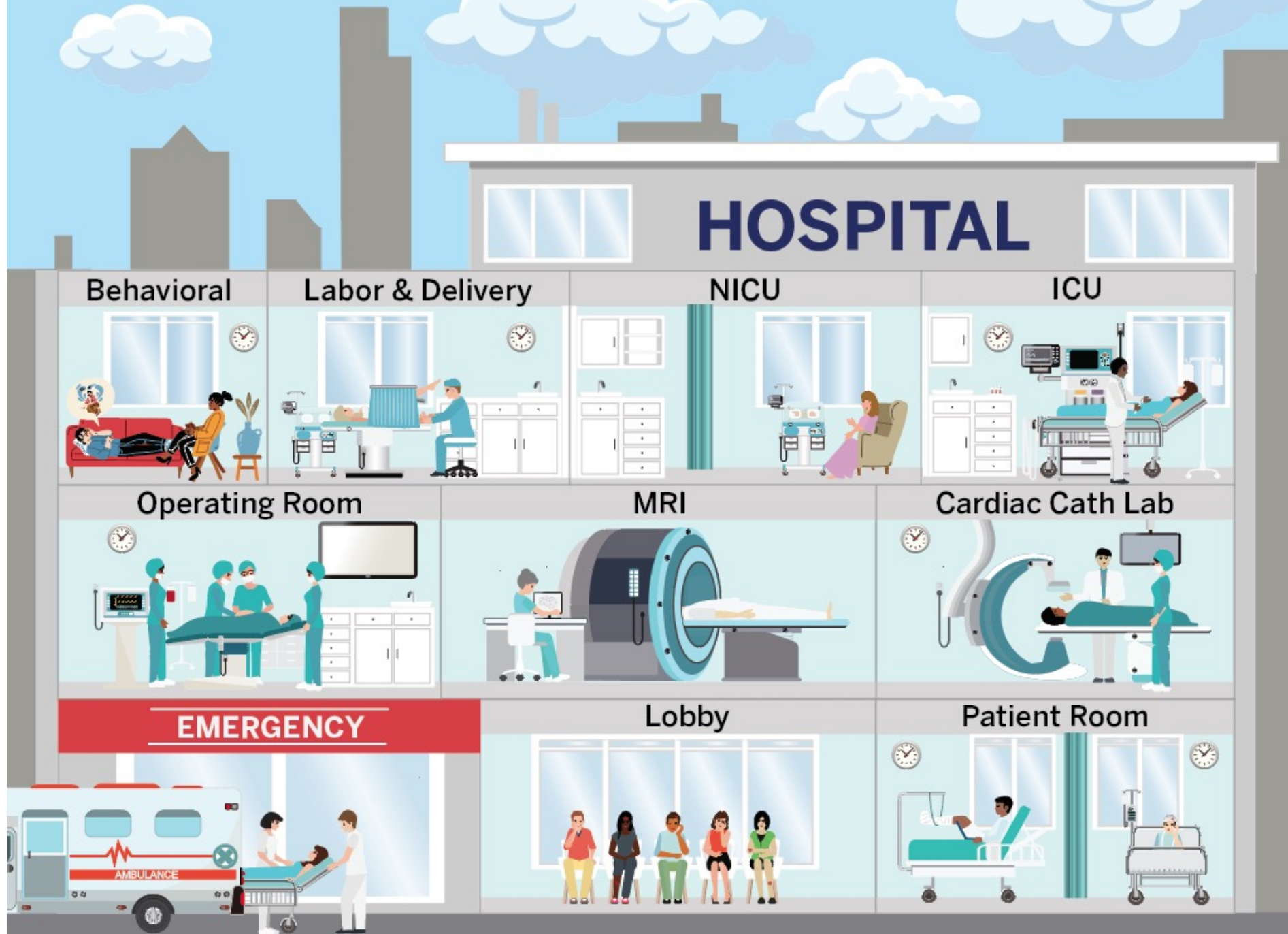
President



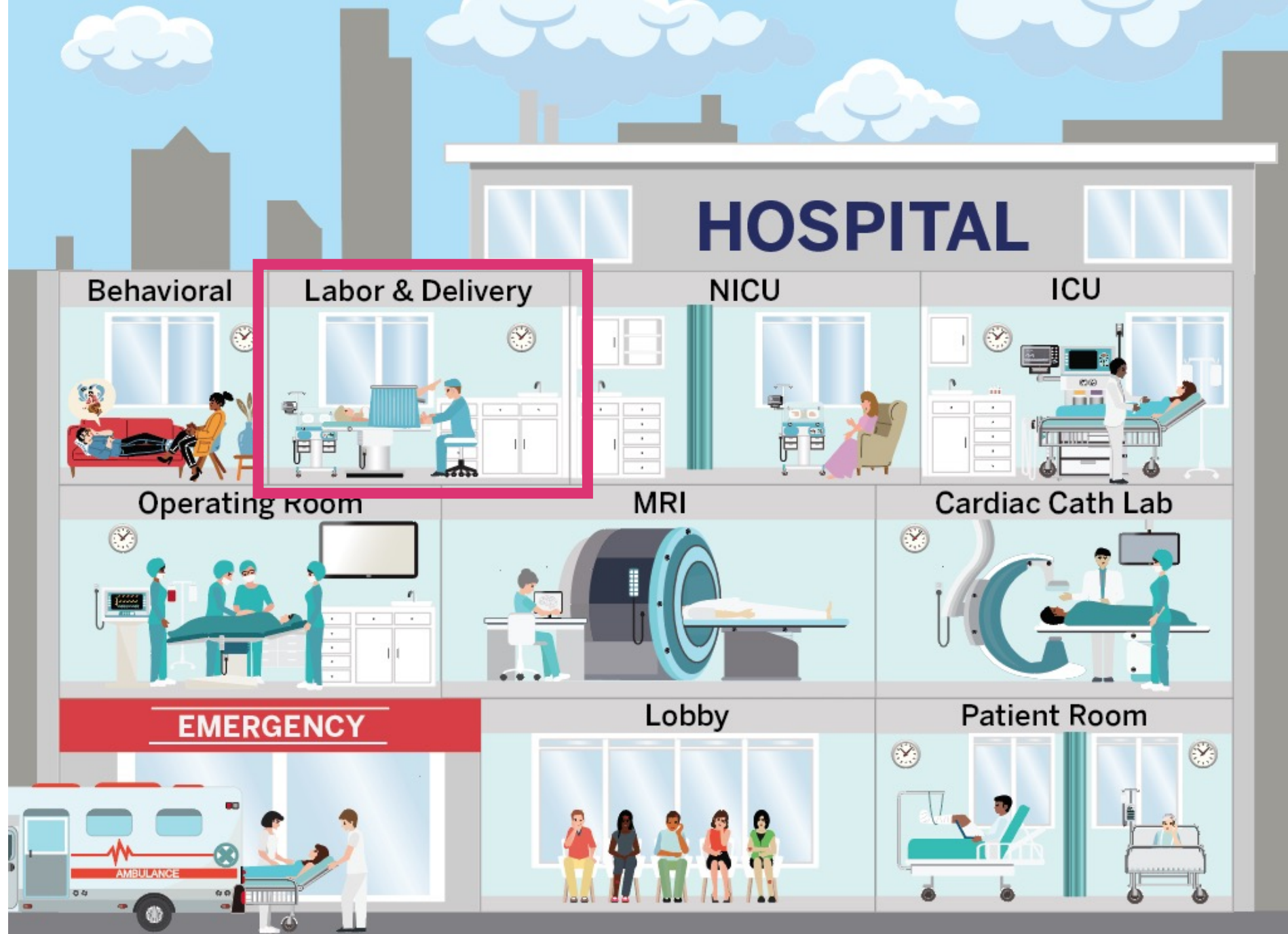
# Key Focus Areas

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# Labor & Delivery Rooms

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## LDR

Labor, Delivery, Recovery

## LDRP

Labor, Delivery, Recovery, Postpartum

## OR

Operating Room for C-Sections

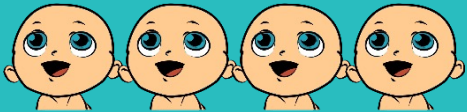
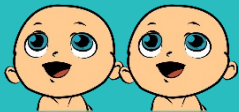

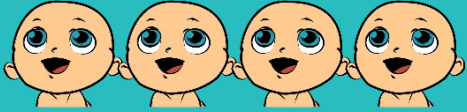
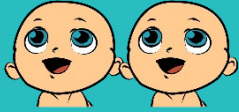
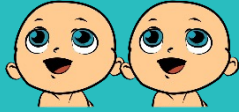

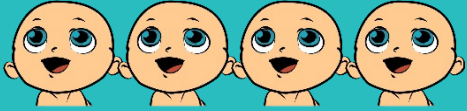
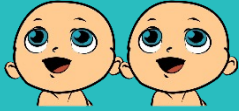
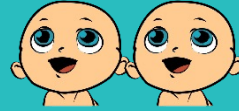
# Design Trend - Hospitality


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# Lighting Needs in Labor & Delivery

|      | CLINICAL  | WARMING   | AMBIENT   | WAYFINDING  |
|------|---|---|---|---|
| LDR  |    |    |    |   |
| LDRP |    |    |    |  |
| OR   |  |  |  |   |

 = Level of Importance

A modern clinical labor and delivery room. In the foreground, a hospital bed is positioned, partially covered with a white sheet. To the left, there is a desk with two computer monitors and medical equipment. In the background, a blue sofa and a small round table are visible near large windows with blinds. The room has wood-paneled walls and a drop ceiling with recessed lighting fixtures.

# Clinical Lighting for Labor & Delivery



# INFRALED® PRO: Recessed Motorized Patient Lighting

## PRO 60



- **17" trapezoid**
- 60° angle of illumination for deep cavity exams and procedures
- **Blue LED indicator**

## PRO 45



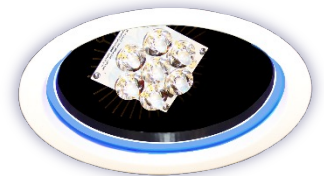
- **19" round**
- Designed to facilitate up to 45° tilt & 360° rotation
- **Blue LED indicator**

## PRO 35



- **12" round**
- 35° tilt, 360° rotation
- **Blue LED indicator**

## PRO 25



- **9" round**
- 25° tilt, 360° rotation
- **Blue LED indicator**



# PRO 60: Clinical Lighting in the LDR/LDRP

Kirlin Lighting's INFRALED® PRO 60 is the only dedicated L&D lighting solution on the market



## Enhanced Visual Acuity

- Unique optical design for 60° illumination
- Fully dimmable & remote-adjustable



## A Safer Environment

- Fully recessed
- Sterile and easy to clean



## Improved Patient Comfort

- Eliminates glare from mother's eyes
- Suitable for all OB procedures and repairs

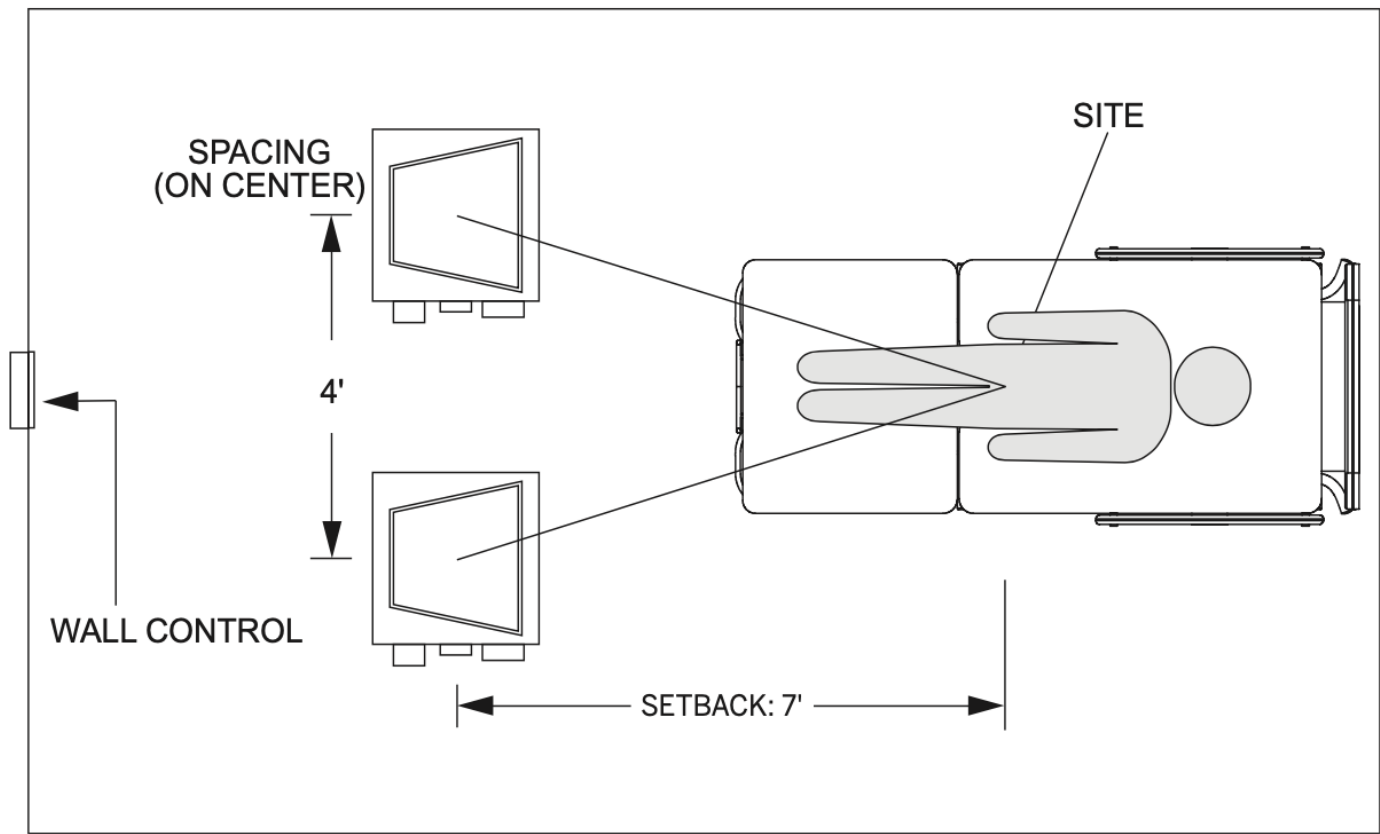




# Chris Video Clip

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# Designing a Labor/Delivery Room



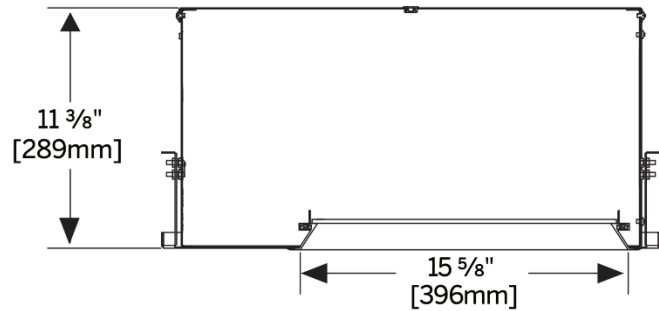
| Ceiling Height | Setback from Break in Bed | Angle of Illumination | Footcandles on Task | Lux on Task |
|----------------|---------------------------|-----------------------|---------------------|-------------|
| 8'             | 7'                        | 58.4°                 | 5,857               | 63,044      |
|                | 6'                        | 54.7°                 | 7,030               | 75,670      |
| 8.5'           | 8'                        | 55.5°                 | 4,665               | 50,214      |
|                | 7'                        | 51.8°                 | 5,511               | 59,320      |
| 9'             | 8'                        | 56.4°                 | 4,426               | 47,641      |
|                | 7'                        | 53.0°                 | 5,164               | 55,585      |
| 9.5'           | 9'                        | 54.2°                 | 3,408               | 36,683      |
|                | 8'                        | 50.9°                 | 4,184               | 45,036      |

Recommended setback locations achieve highest angle of illumination, delivering light further into birth canal. For layout assistance, consult factory.



# Don't Let the Mechanical Engineer Force You into This!

**Less than 12"** of  
clearance required



But it is required!



# Clinical Light is Needed **In** The Patient (not on)





# PRO 45: Clinical Lighting for C-Sections

Kirlin Lighting's INFRALED® PRO 45 provides ideal lighting for C-Section deliveries in the OR

## Enhanced Visual Acuity

- 360° rotation and 45° tilt for lighting on the surgical site
- Fully dimmable & remote-adjustable



## A Safer Environment

- Fully recessed
- Sterile and easy to clean



## Improved Patient Comfort

- Replaces imposing boom lights

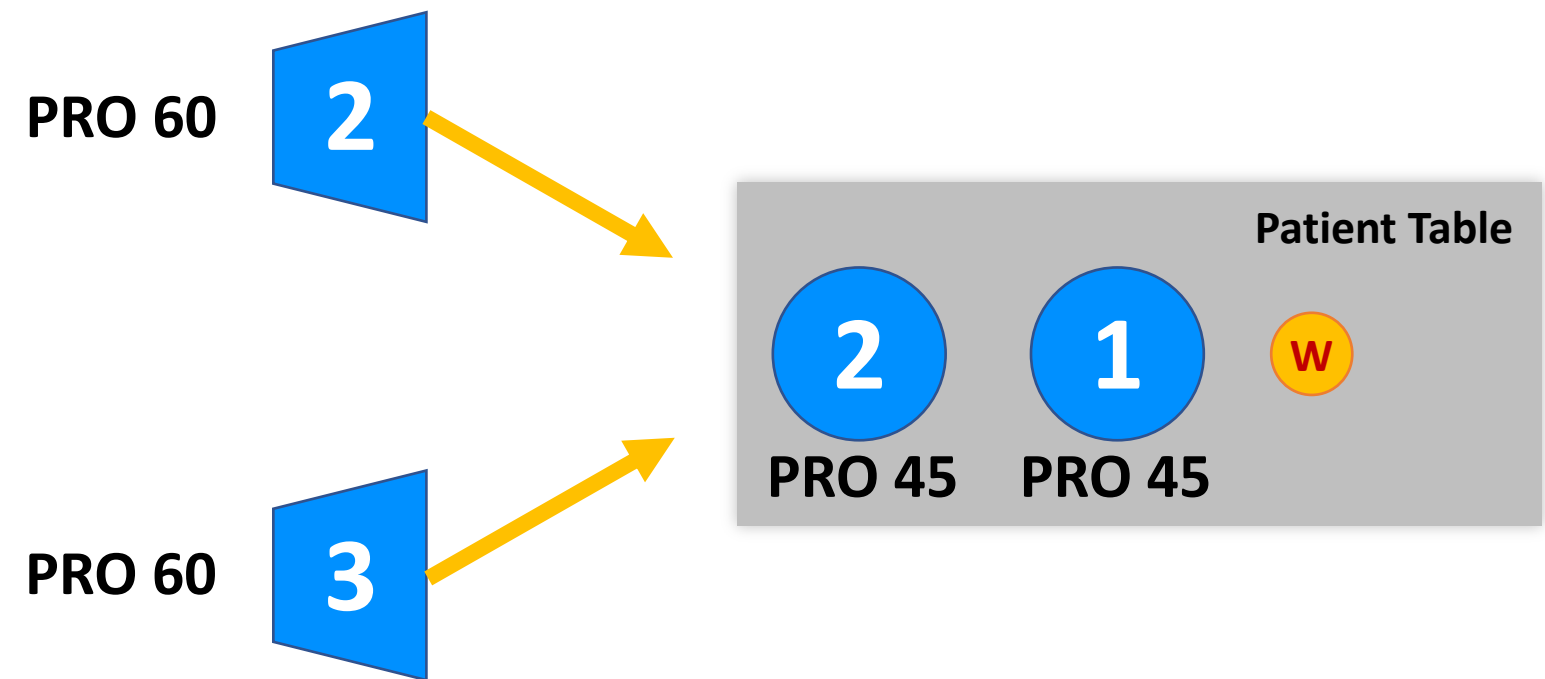




# C-Section Operating Room



# C-Section Operating Room Layout Options



# INFRALED® PRO: Better than the Boom!

## Boom-Mounted



- Difficult to clean or disinfect
- Often under-powered
- Physical hazard with drift issues

## Portable



- Difficult to clean or disinfect
- Often under-powered
- Impossible to find
- Trip & fall hazard

## INFRALED® PRO



- Fully recessed with IP66 trim & anti-microbial finish
- Easy to disinfect (luminaires & controls)
- One touch direction and intensity control



# INFRALED® PRO: Ultimate Infection Control

## Fully recessed design with:



BioGard™ Anti-Microbial Finish



Sealed, IP66-Rated Trims



Perforation Free Housings

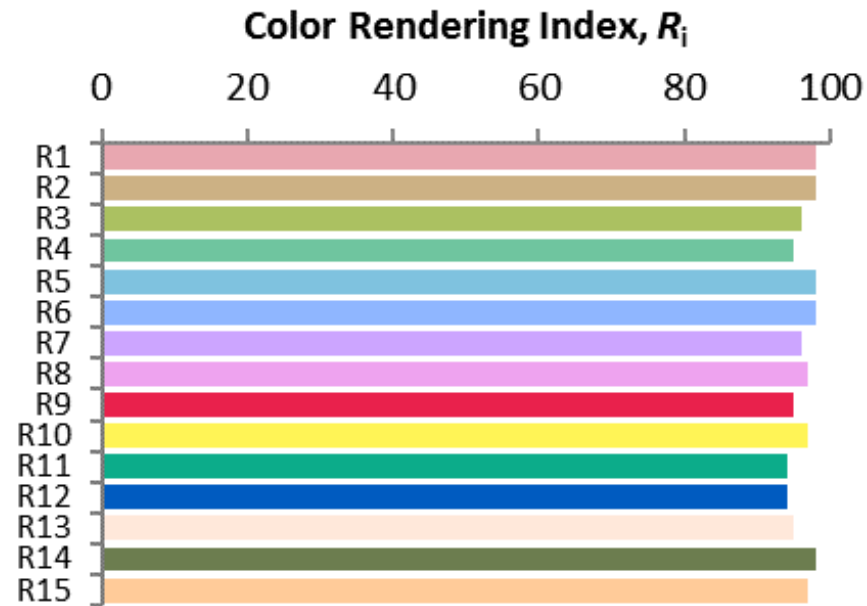


Easily Disinfected Controls



# High CRI in Multiple Chromaticities

The difference is **95 CRI** with ultra-high  
**R6, R9, R13** and **R15**



## 3 Chromaticities (Color Temperatures)

**3500K**

Mid-White

Labor/Delivery  
NICU

**4100K**

Cool White

ICU  
Cath Lab

**5000K**

Ultra-Cool White

EP Lab  
Hybrid OR

A close-up photograph of a newborn baby being held by a person. The baby is wearing a white knit cap and has its eyes closed. A medical professional's hand, wearing a blue glove, is visible near the baby's head. The background is blurred, showing a hospital setting.

# Warming Lights for Labor & Delivery



# Warming Lights for Added Comfort

*Ideal locations/applications include:*



In the LDRP or postpartum room bathroom for baby's first bath



Over the LDR/LDRP bed for initial skin-to-skin



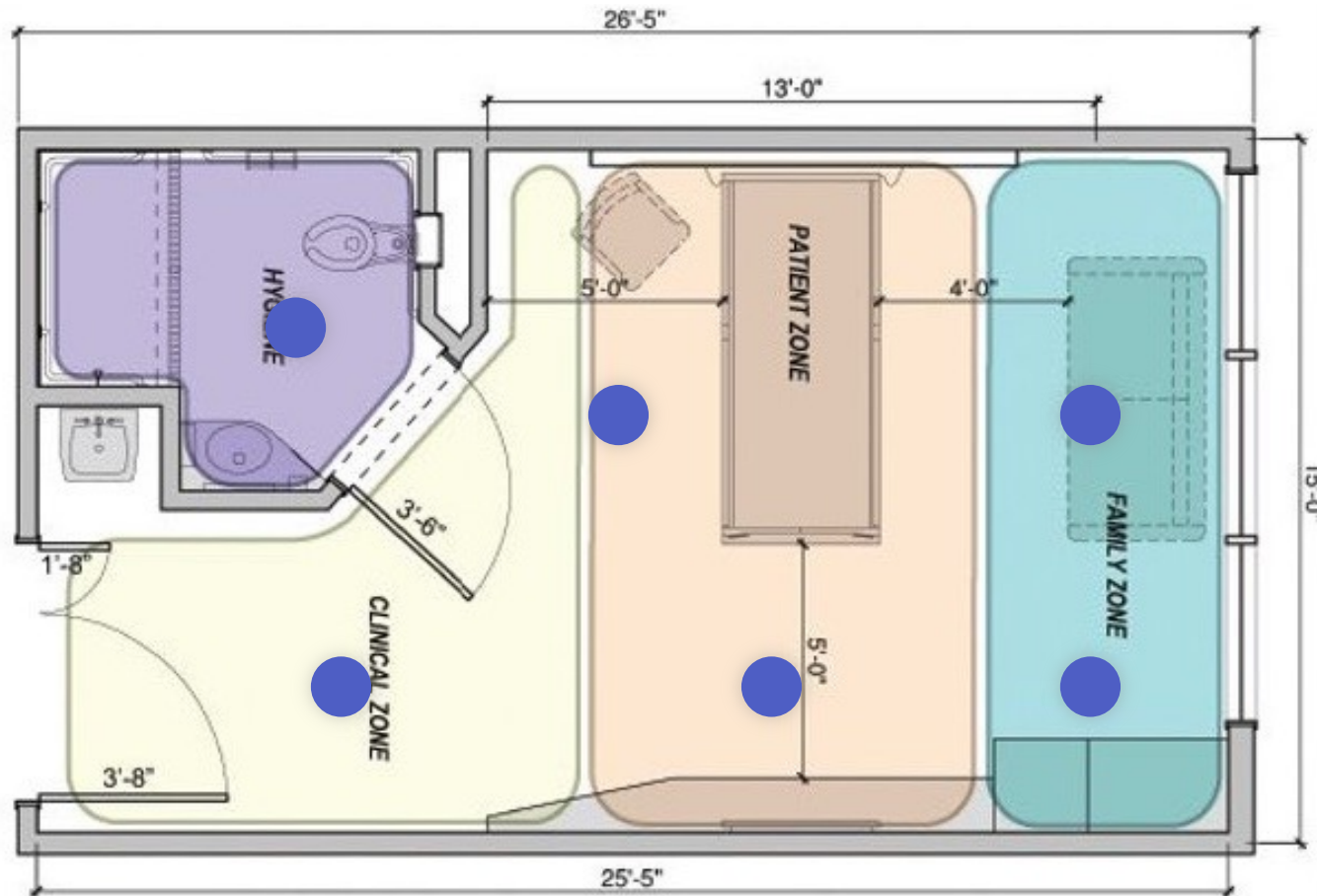
Over the C-section operating table for initial skin-to-skin



A wide-angle photograph of a modern hospital labor and delivery room. The room features a white grid ceiling with recessed lighting and air vents. On the left, there is a white medical cart with a monitor and a white delivery bed. In the center, a delivery bed with a blue mattress is positioned. To the right, there is a grey sofa and a small white table. Large windows with blinds are visible in the background. The text "Ambient Lighting for Labor & Delivery" is overlaid in white on a dark blue background.

# Ambient Lighting for Labor & Delivery

# Ambient Lighting in the LDR/LDRP



## ● Ambient Downlights

- Lensed 4" Downlight
  - Antimicrobial finish
  - Controlled by pillow speaker



**LRR-04005**



**LRS-04045**

2700 K

3000 K

3500 K

Tunable White: 2700-6500K



# Ambient Lighting in the LDR/LDRP



# Ambient Perimeter Lighting in the C-Section OR



**Surgical-Grade Perimeter Downlights:** 6", 7", or 8"

**Lumen Output:** 1000-7000L

**CCT:** 3500K preferred, or static green (521nm)



BioGard Antimicrobial Finish



IP65 Ingress Protection



ISO 5 / Class 100 Cleanroom

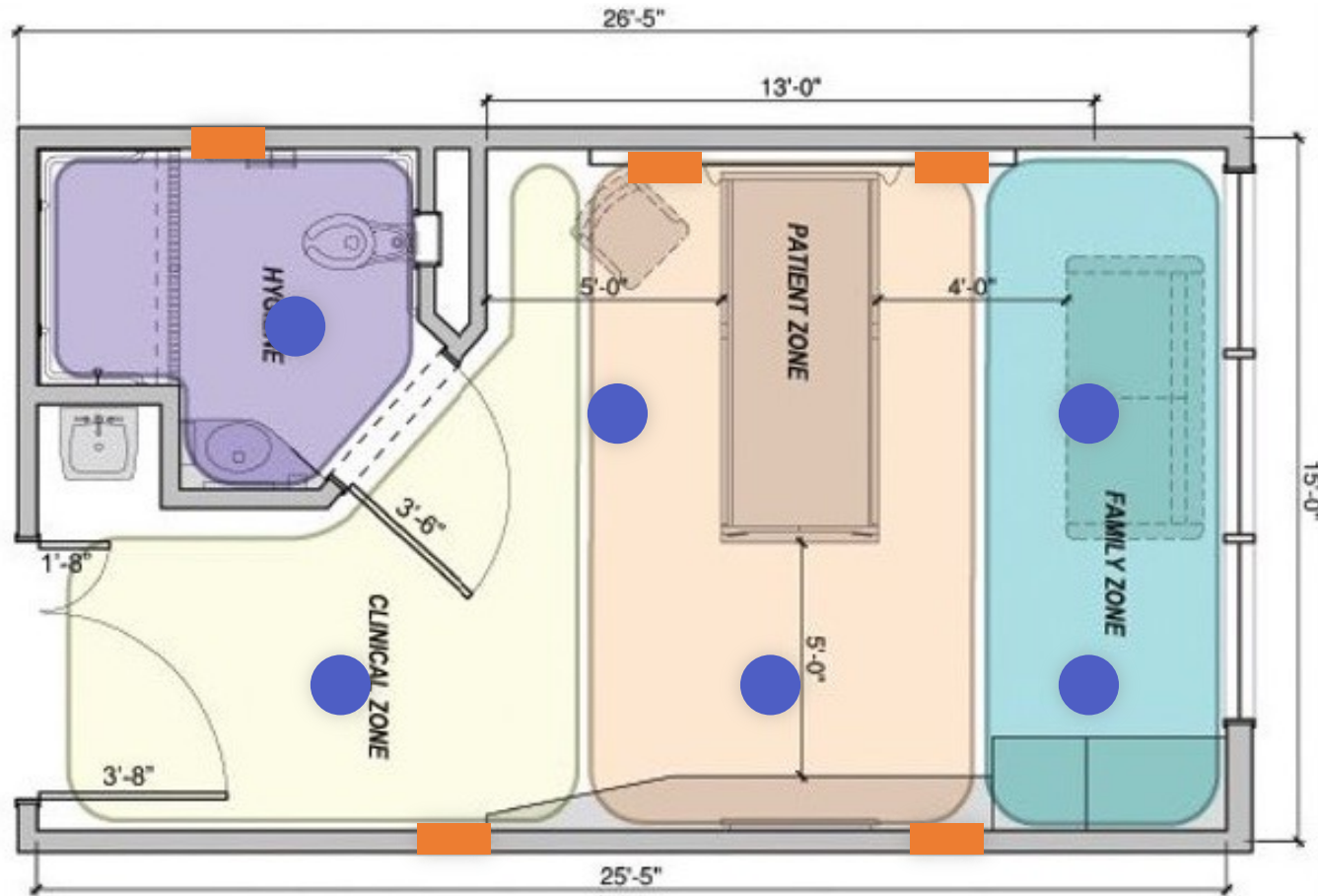


A photograph of a hospital labor and delivery room. In the foreground, a hospital bed with a control panel is visible. The room has light-colored walls, a wooden floor, and large windows. A rocking chair and a medical cabinet are also present. A semi-transparent dark blue banner is overlaid across the middle of the image, containing the title text in white.

# Wayfinding Lighting for Labor & Delivery



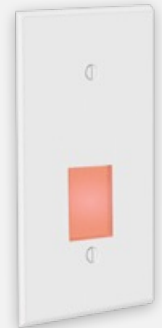
# Wayfinding in the LDR/LDRP



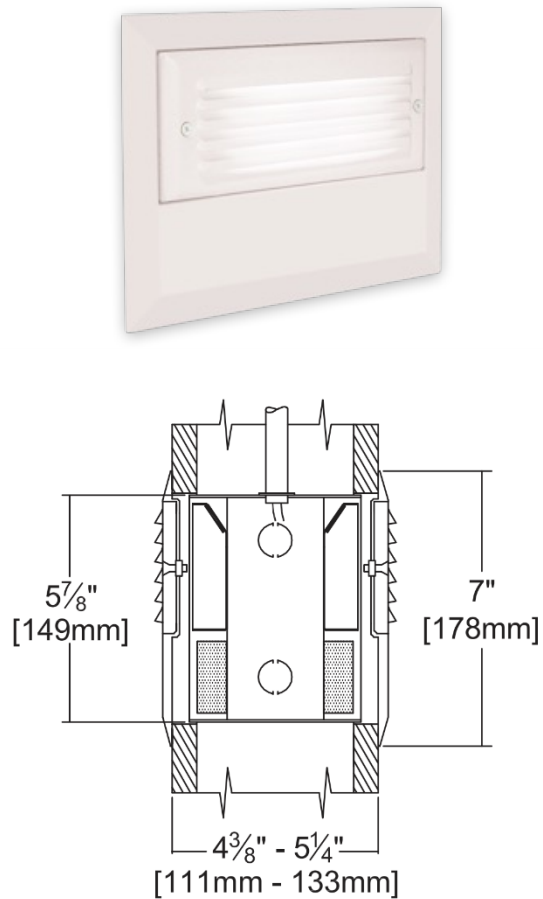
● Ambient

■ Wayfinding

- NightLights (including wet-listed), ChartLights



# Wayfinding in the LDR/LDRP



# Labor & Delivery Vignettes





# Spotlight: NYP Hudson Valley

- 1 INFRALED PRO 60s for exam lighting
- 2 Ambient downlights in the family zone for family and staff to be able to control as needed
- 3 Wall grazing gives a hotel-like feel













# Spotlight: NYP Alexandra Cohen

- 1 2 INFRALED PRO 60s for exam lighting
- 2 Ambient downlights in the family zone and newborn areas
- 3 Nightlights ensure the path to the restroom is easy to find at night



# Lighting Needs in Labor & Delivery

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|------|--|---|--|---|
| LDR  |   |    |   |   |
| LDRP |   |    |   |  |
| OR   |  |  |  |   |



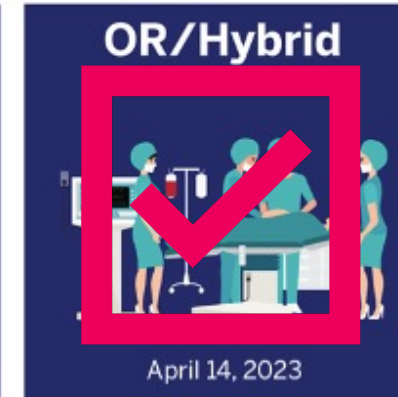
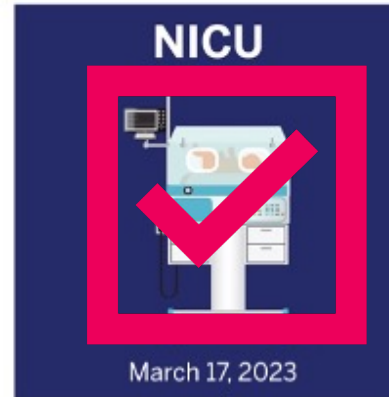
# A Legacy in Healthcare Lighting



Trusted by the Best

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

# Join Us Every Month, or On Demand!





A photograph of a modern building's interior, featuring multiple levels with curved balconies and glass railings. The space is illuminated by recessed ceiling lights, and the overall color palette is dominated by blues and greys, with some warmer tones from the railings and floor. The word "Questions?" is overlaid in a large, white, sans-serif font in the center of the image.

# Questions?