



Best Practices for Healthcare Lighting

Labor & Delivery



CHRIS
VP Sales & Marketing



SCOTT
Regional Manager - Central



CHAD
National Sales Manager



RICHARD
Regional Manager - West

Key Focus Areas



Areas of Expertise



LOBBY/
ATRIUM

OR &
HYBRID OR

CATH
LAB

MRI

PATIENT
ROOM

ICU

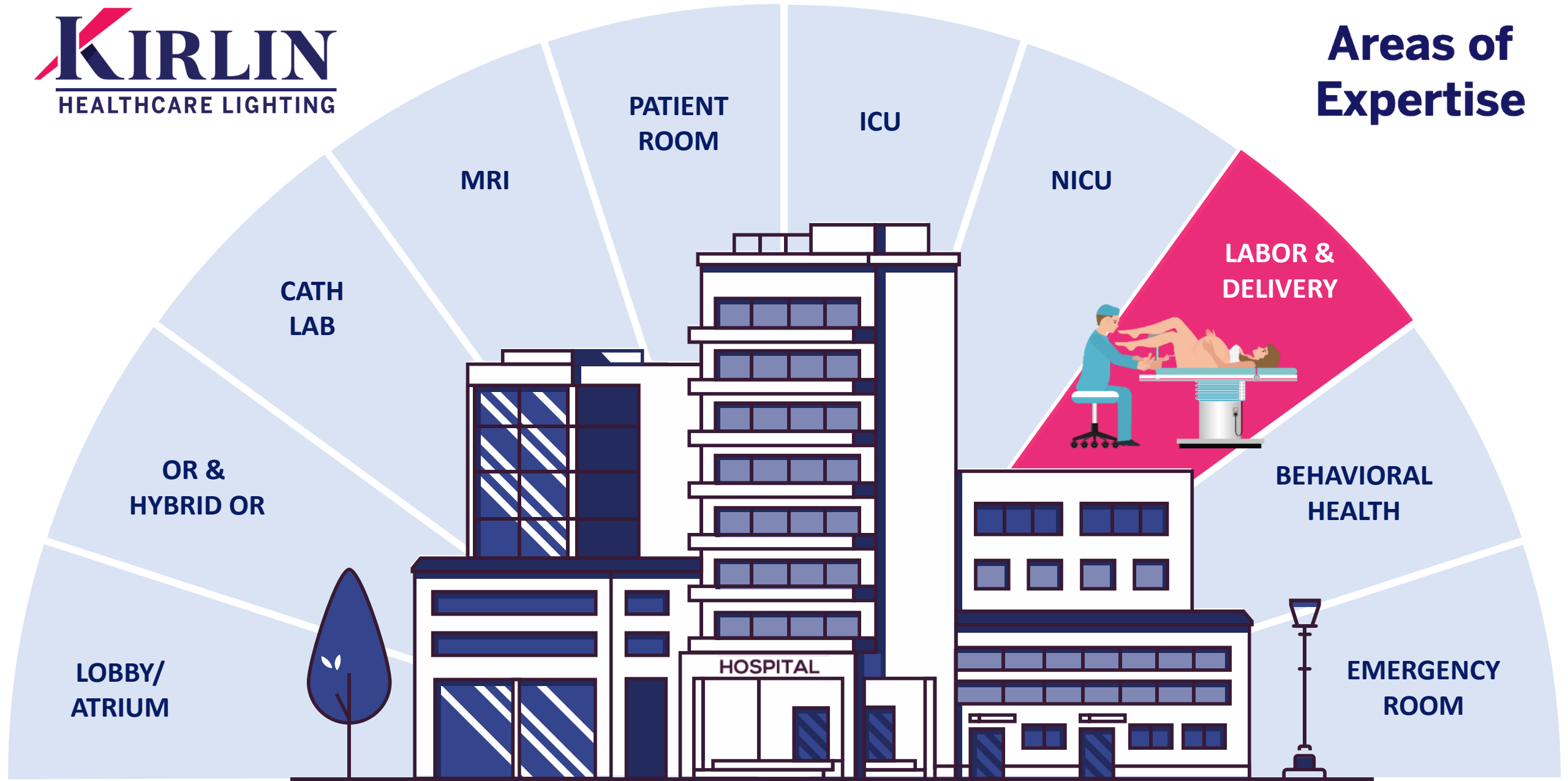
NICU

LABOR &
DELIVERY

BEHAVIORAL
HEALTH

EMERGENCY
ROOM

HOSPITAL



LOBBY/
ATRIUM

OR &
HYBRID OR

CATH
LAB

MRI

PATIENT
ROOM

ICU

NICU

LABOR &
DELIVERY

BEHAVIORAL
HEALTH

EMERGENCY
ROOM

HOSPITAL

Labor & Delivery Rooms



LDR

Labor, Delivery, Recovery

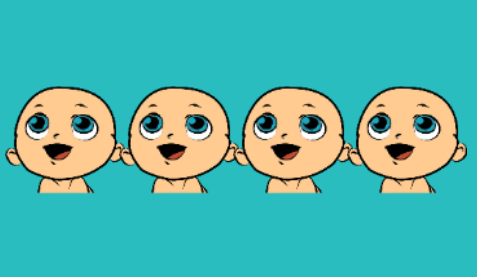
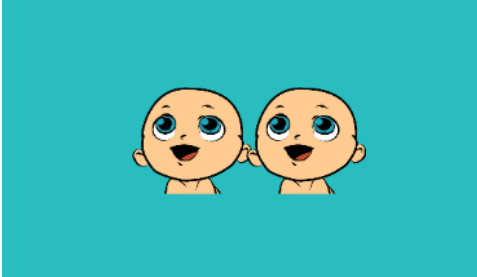

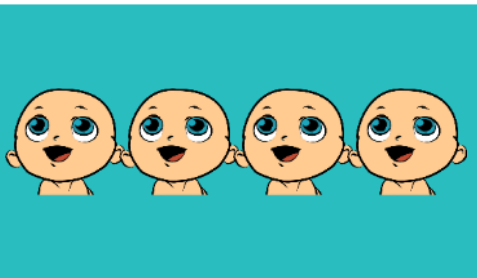
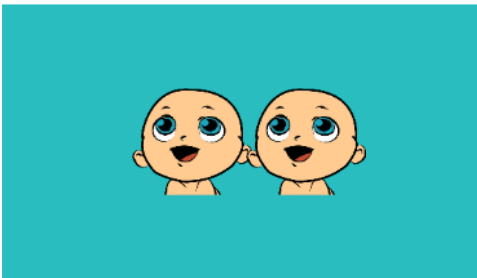
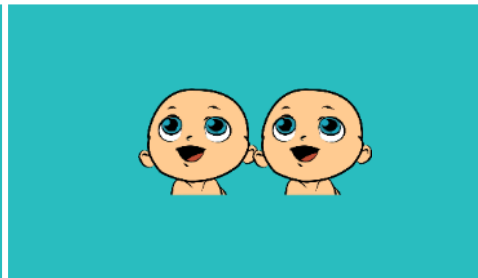
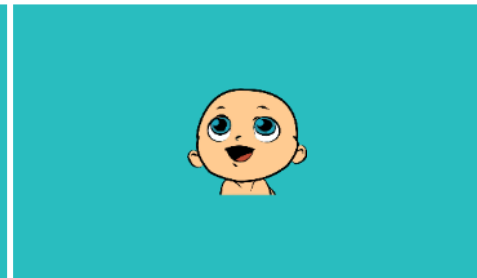
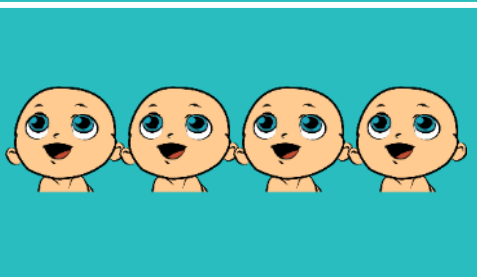
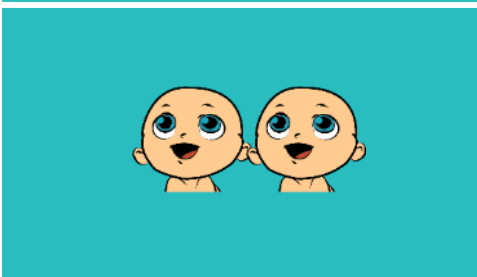
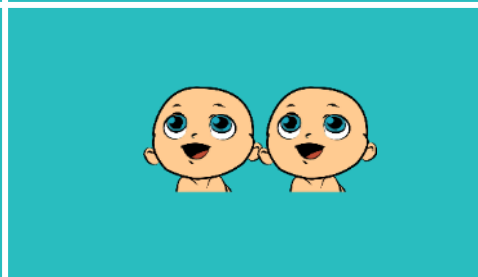
LDRP


Labor, Delivery, Recovery, Postpartum

OR

Operating Room for C-Sections

Lighting Needs in Labor & Delivery

	CLINICAL	WARMING	AMBIENT	WAYFINDING
LDR				
LDRP				
OR				

 = Level of Importance

A modern clinical labor and delivery room. The room features a hospital bed in the foreground, a desk with multiple monitors and medical equipment on the left, and a blue sofa with a small table in the background. The walls are wood-paneled, and the ceiling has recessed lighting fixtures. A large window with blinds is visible in the background.

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



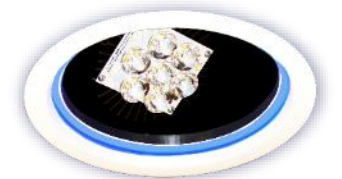
- **19" round**
- Designed to facilitate up to 45° tilt & 360° rotation
- **Blue LED indicator**

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

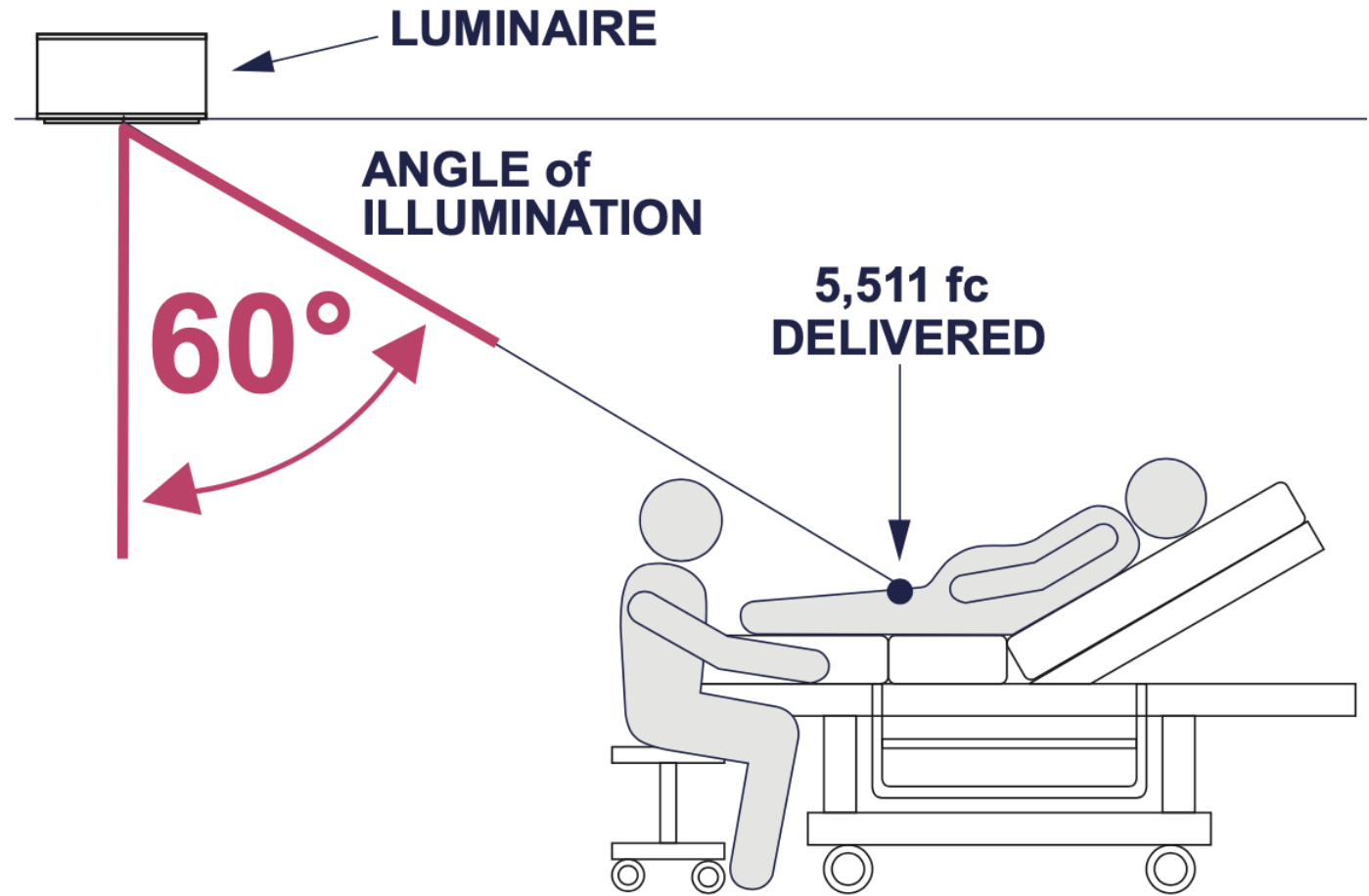
- Fully recessed
- Sterile and easy to clean

Improved Patient Comfort

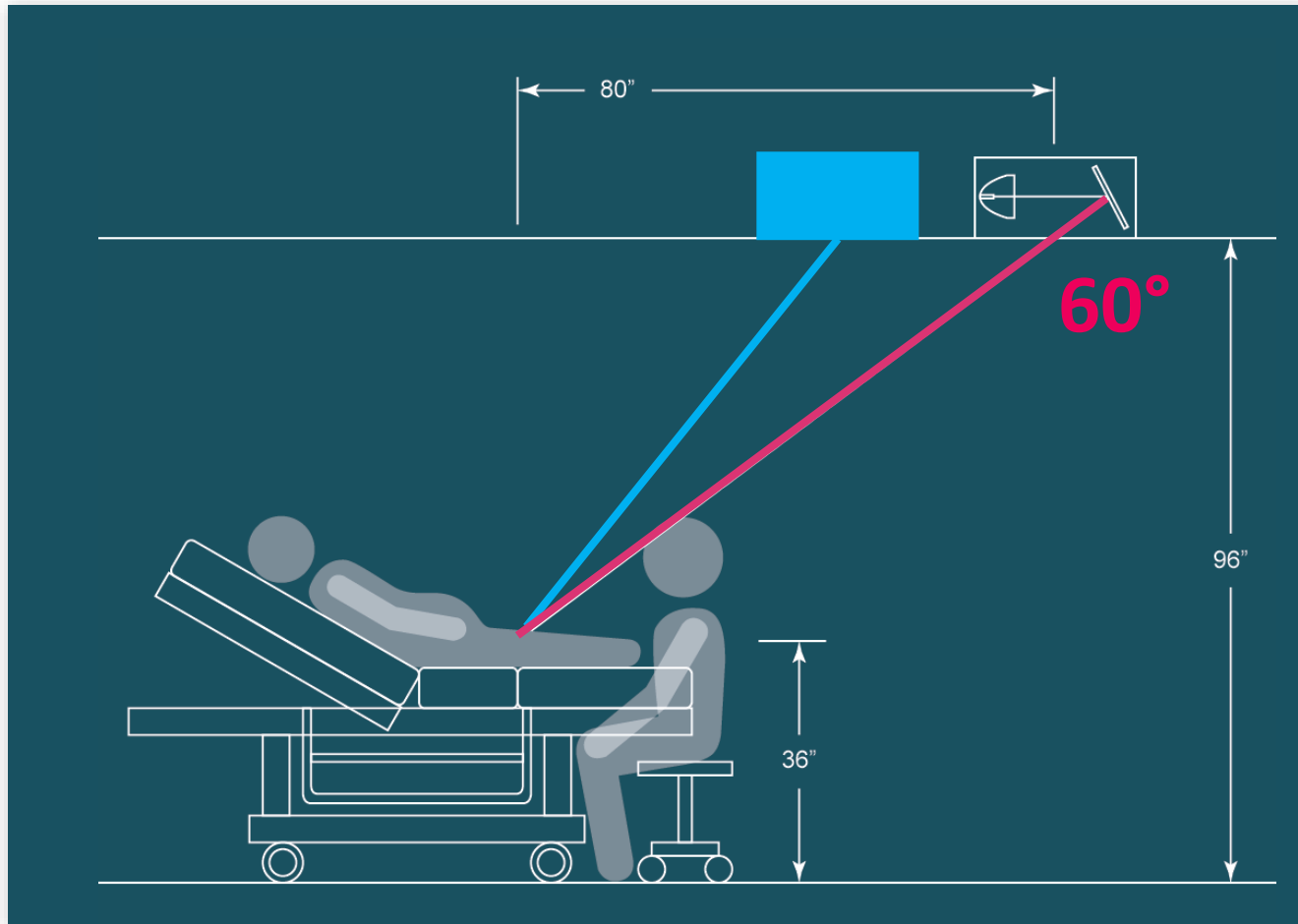
- Eliminates glare from mother's eyes
- Suitable for all OB procedures and repairs



PRO 60: High Angle Exam Light for Childbirth, OR



Visual Comparison: PRO 60 vs. Competitors



Competitors' max angle
is 47 degrees



INFRALED® PRO 60 max
angle is 60 degrees



INFRALED[®] PRO 60: Clinical Benefits

60° angle of illumination and unique 4 light-head design results in:

64%

Deeper illumination of birthing canal than competitive product

77%

More illumination than competitive product (50,000 vs. 28,320 lux)

Deeper, brighter illumination leads to improved visual acuity for the practitioner, and earlier, more accurate identification of potential complications

What Does 64% More Look Like?

Competitors @ 45°

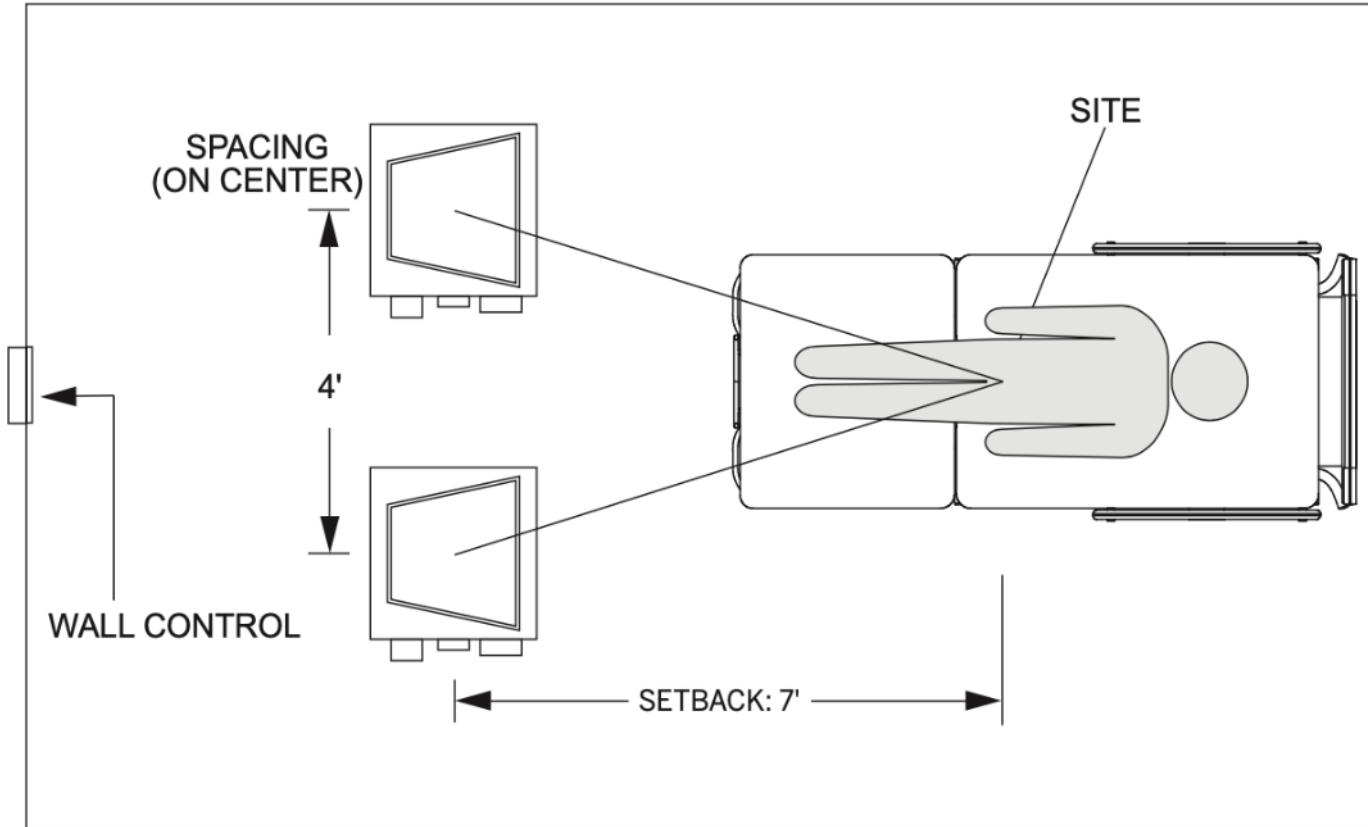


PRO 60 @ 60°



+64%

Designing a Labor/Delivery Room

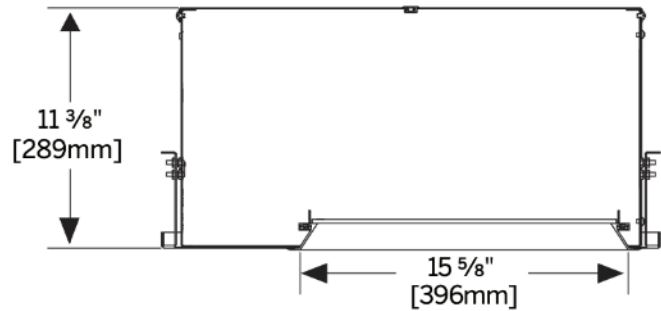


Ceiling Height	Setback from Break in Bed	Angle of Illumination	Footcandles on Task	Lux on Task
8'	7'	58.4°	5,857	63,044
	6'	54.7°	7,030	75,670
8.5'	8'	55.5°	4,665	50,214
	7'	51.8°	5,511	59,320
9'	8'	56.4°	4,426	47,641
	7'	53.0°	5,164	55,585
9.5'	9'	54.2°	3,408	36,683
	8'	50.9°	4,184	45,036

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!

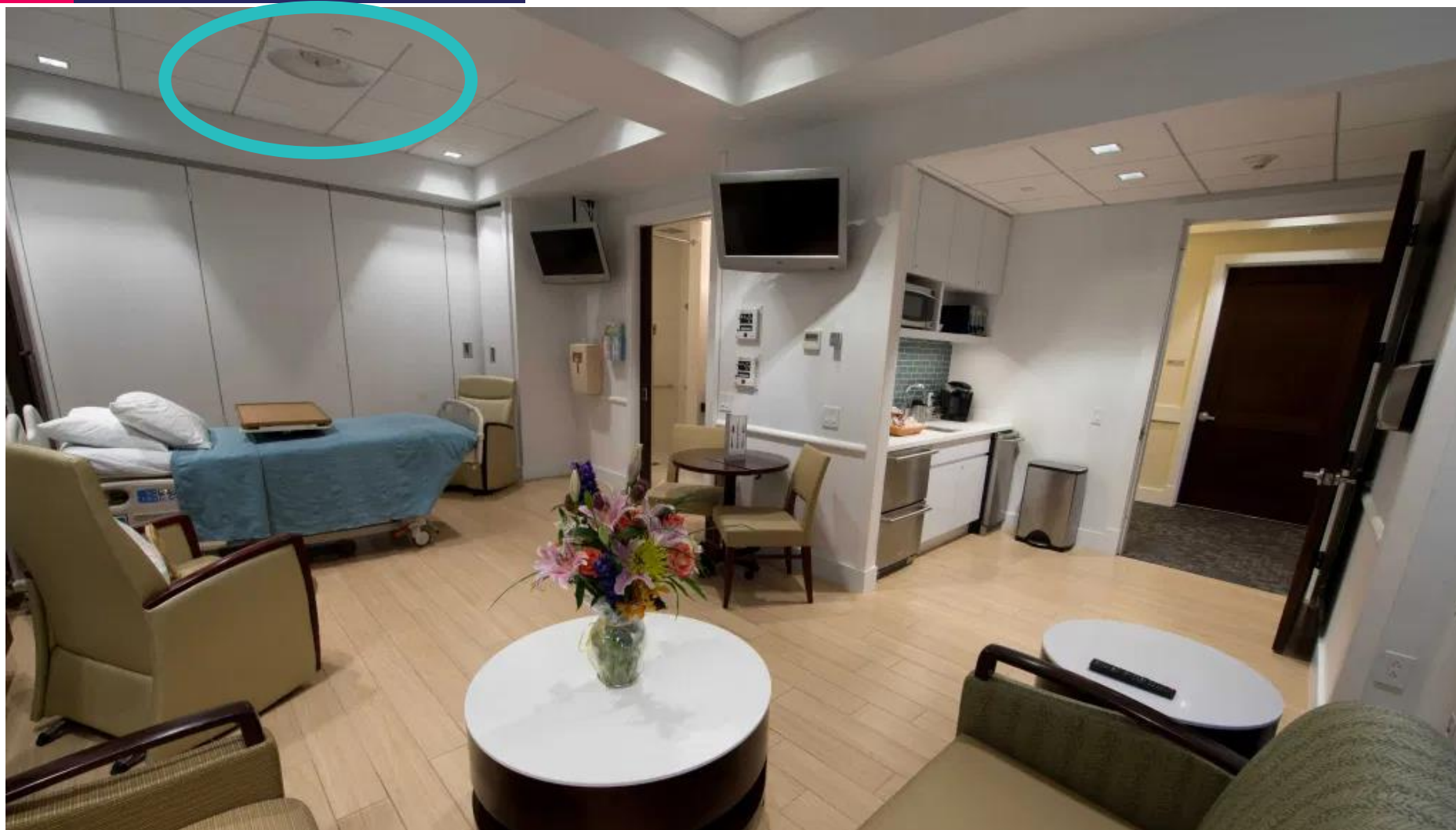
Less than 12" of clearance required



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

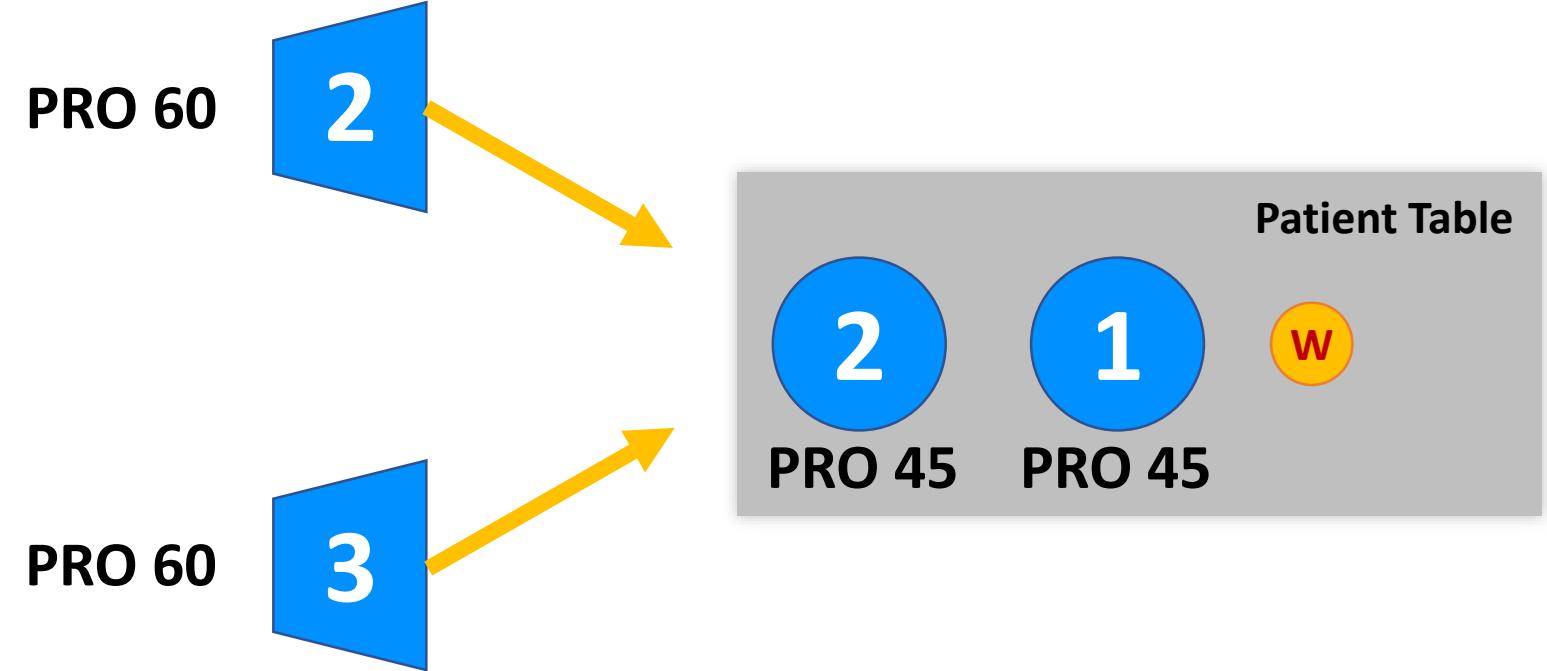
- Replaces imposing boom lights



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

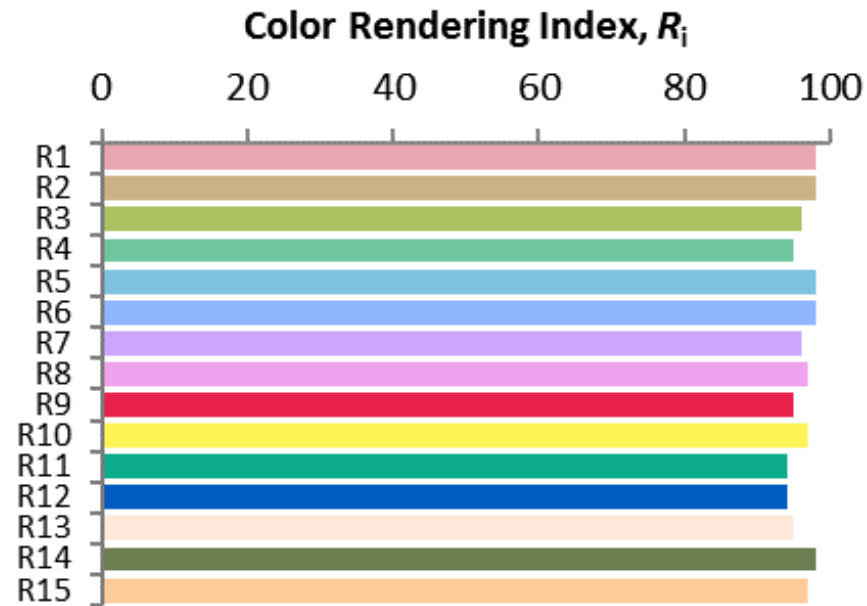


Easily Disinfected Controls



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



Warming Lights for Labor & Delivery

Warming Lights for Added Comfort

Ideal locations/applications for recessed warming lights 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

Kirlin Warming Lights for General Comfort

Warming Light: General Patient Comfort

Fully Recessed • Borosilicate Fresnel Lens
175W PAR38 or 250W R40

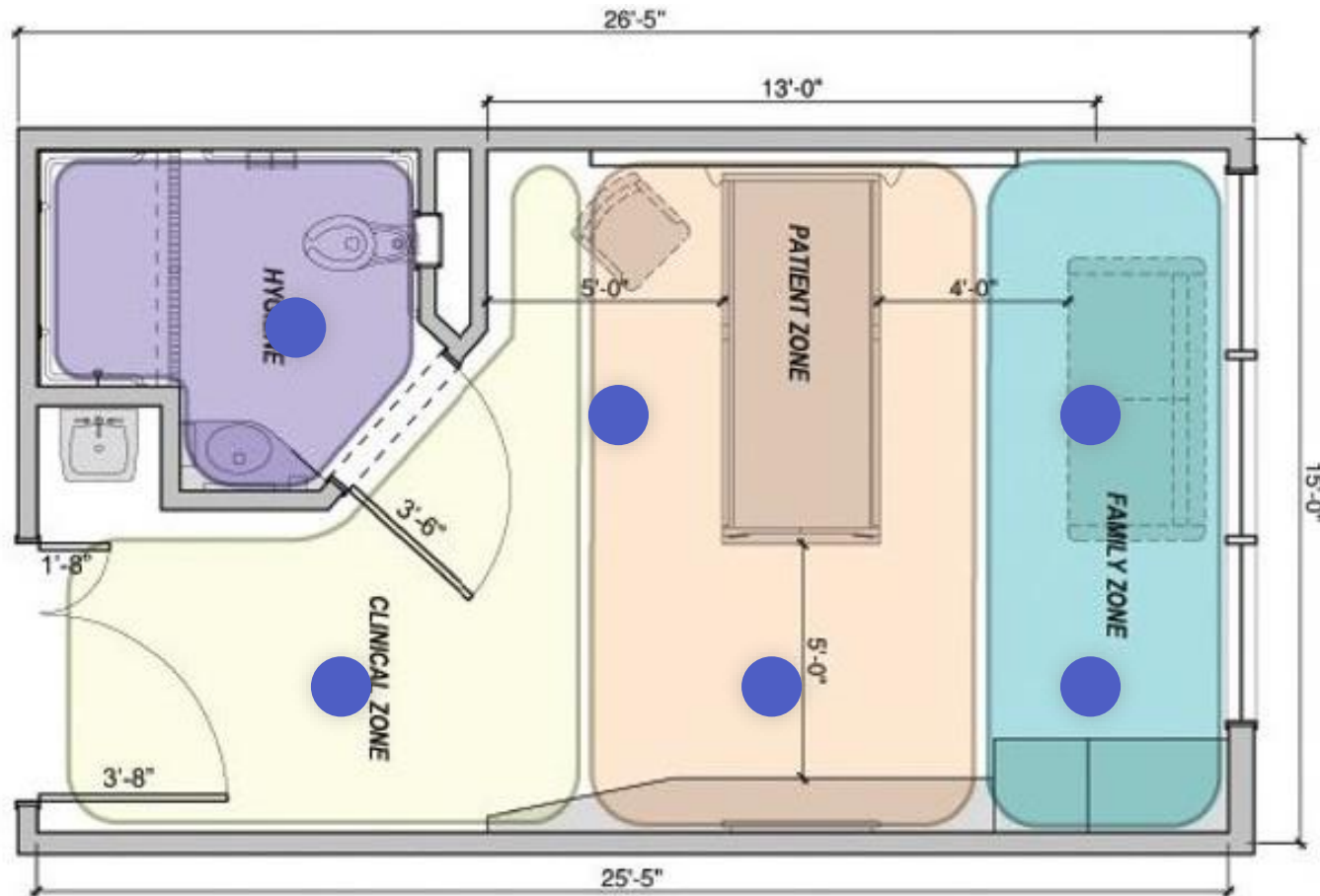


MRR-09740

A modern hospital labor and delivery room. The room features a central hospital bed with blue linens, surrounded by medical equipment including monitors, IV stands, and a neonatal warmer. A grey sofa and a small white table are positioned near large windows with blinds. The ceiling is a grid-style drop ceiling with recessed lighting fixtures. The overall atmosphere is clean, professional, and well-lit.

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

Tunable: 1650-8000K

Ambient Lighting in the LDR/LDRP



Ambient Perimeter Lighting in the C-Section OR



Surgical-Grade Perimeter Downlights: 6", 7", or 8"
Lumen Output: 1000-6500L
CCT: 3500K preferred, or static green (521nm)



BioGard Antimicrobial Finish



IP65 Ingress Protection

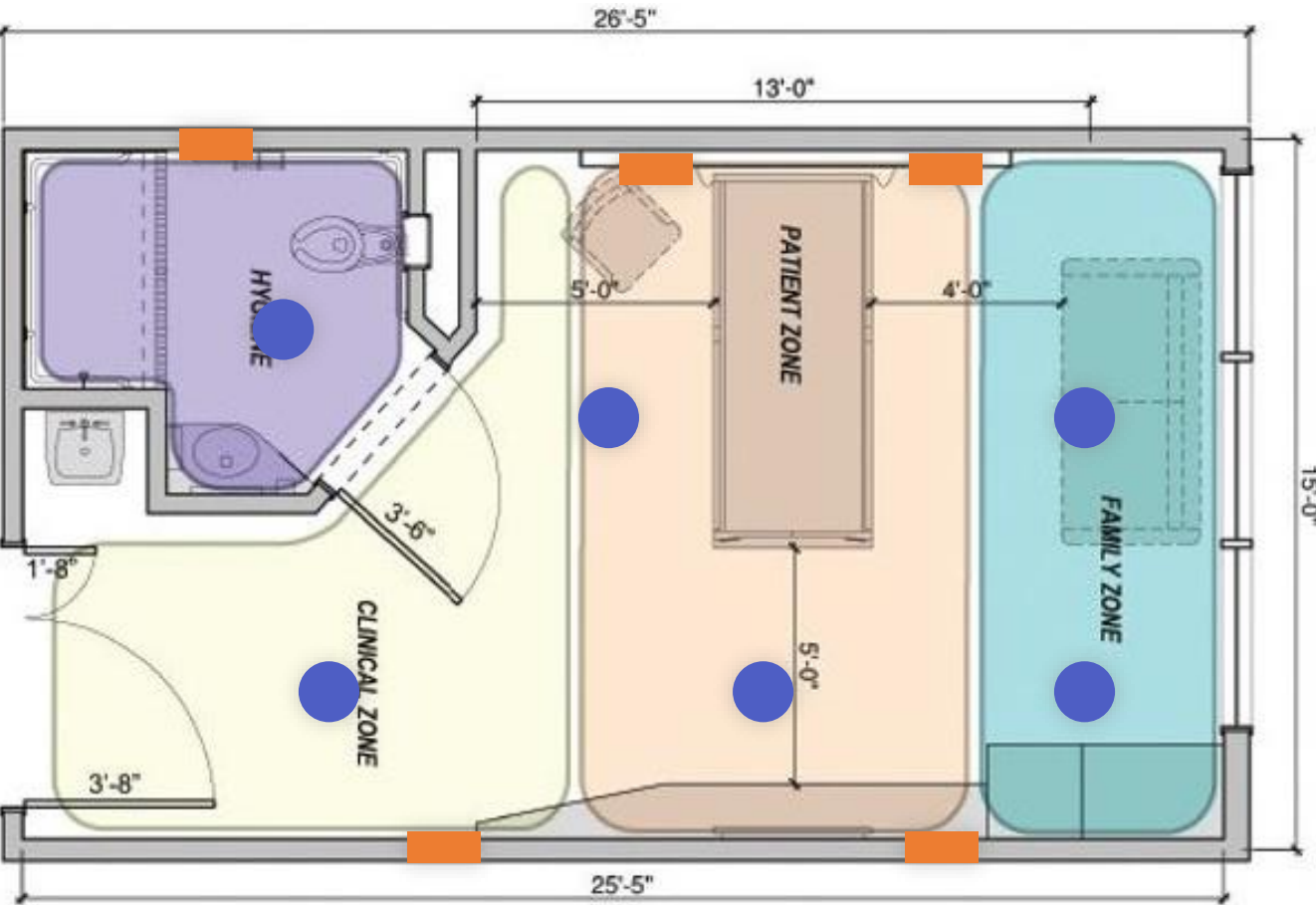


ISO 5 / Class 100 Cleanroom

A photograph of a hospital labor and delivery room. The room features a hospital bed with a white sheet, a wooden rocking chair, a television mounted on the wall, and a wooden cabinet. The ceiling has several recessed light fixtures. The walls are painted in a light green color. A doorway on the right leads to a bathroom with a toilet. The floor is made of light-colored wood.

Wayfinding Lighting for Labor & Delivery

Wayfinding in the LDR/LDRP



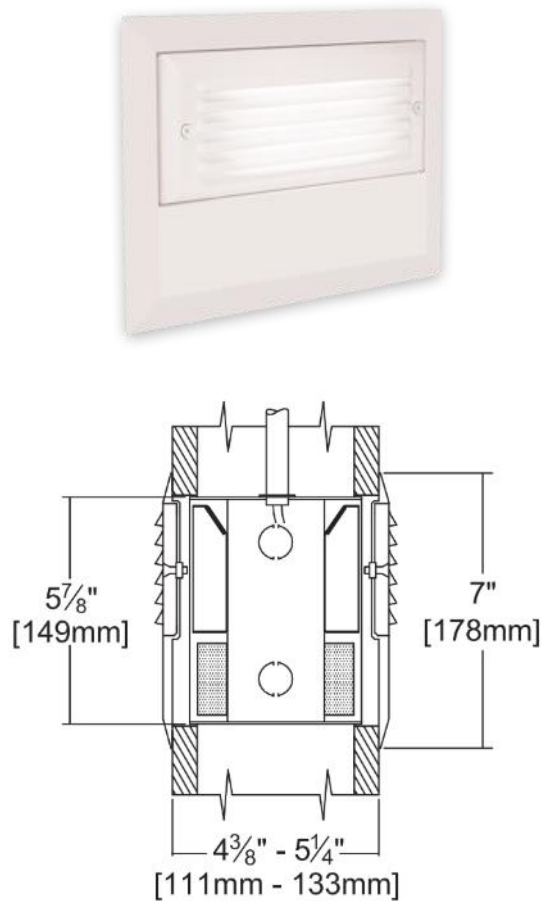
● Ambient

■ Wayfinding

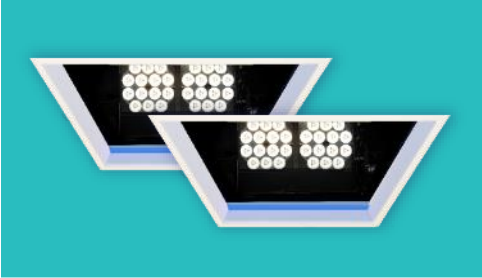

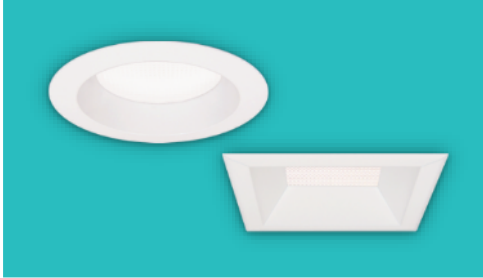


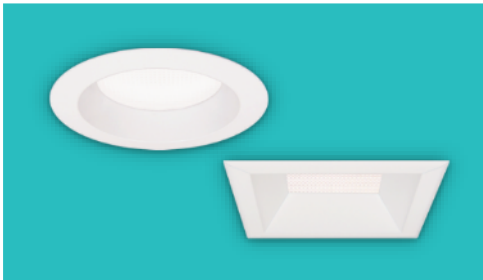


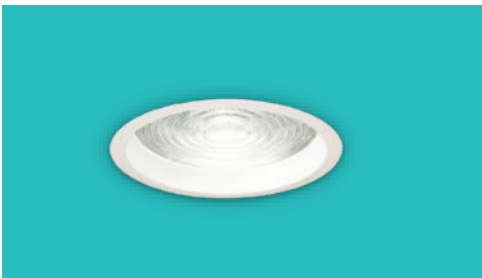

- NightLights (including wet-listed), ChartLights



Wayfinding in the LDR/LDRP



Lighting Needs in Labor & Delivery

	CLINICAL	WARMING	AMBIENT	WAYFINDING
LDR				
LDRP				
OR				

A Legacy in Healthcare Lighting



Trusted by the Best

Kirlin lighting is trusted by 19 of the U.S. News's Top 20 Honor Roll hospitals

Join Us Every Month, or On Demand!

ICU  September 18, 2020	Behavioral  October 16, 2020	OR/Hybrid  November 20, 2020
Labor & Delivery  December 18, 2020	NICU  January 15, 2021	Emergency  February 19, 2021
Cath Lab  March 19, 2021	MRI  April 16, 2021	Patient Room  May 21, 2021



Questions?