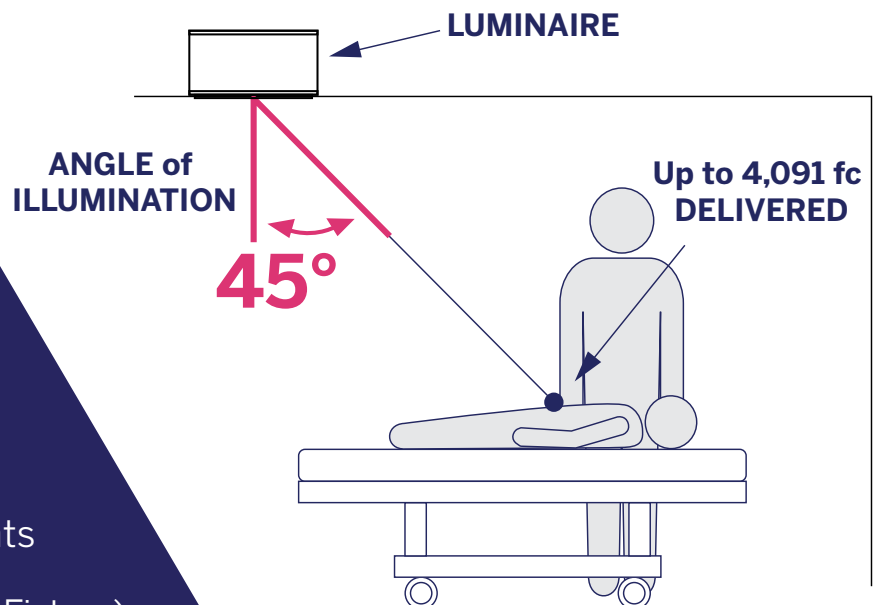


Recessed Aimable LED Exam Light for OR, Cath Lab & Labor/Delivery

- 45° Tilt, 360° Rotation
- Fully Recessed System
- Ultimate Infection Control
- Cool LED Beams, 95+ CRI
- Wall and Remote Controlled
- Adjustable Direction & Intensity Suitable for Dynamic Environments
- 4,091 fc (44,035 lux) on Task (Single Fixture)



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INFRALED® PRO
Configurable remote-aimable lighting system for healthcare applications



PRO 60
High-angle exam light with 60° beam for Childbirth & Surgery



PRO 45
19" exam light with 45° beam for OR, Hybrid OR, & Cath Lab



PRO 35/PRO 35V
12" exam light with 35° beam for ICU, Patient Room, ED, & Behavioral








PRO 25
9" exam light with 25° beam for NICU, ICU, & Patient Room

Recessed Aimable LED Exam Light for OR, Cath Lab & Labor/Delivery

Luminaire Specifications (see page 4 for Controls Specifications)





Luminaires are sold individually, and include the following standard features:

-  OPTeCOLOR™ LEDs: 95+ CRI, high R9 (72), R13 (96), R15 (96), cool beam, 60,000 hour life (L70). Cyanosis Observation Index of 2.7 meets AS/NZS 1680.2.5
-  Blue LED indicator strip designates luminaire under active control
-  BioGard™ anti-microbial white finish, regressed flare trim with tempered clear flat glass lens
-  IP66 rated, sealed and gasketed trim
-  Perforation-free, rust and corrosion proof aluminum housing (exceeds 1000hr ASTM salt spray test)
- Up to 45° tilt (from nadir)
- Up to 4,091 fc (43,035 lux) on task per luminaire
- 0-10V CCR 100-1% dimming
- Input voltage: 110 - 277V
- Serviceable through aperture; convenient plug-in components for easy installation and service, including 35' RJ45 cable from fixture to wall control; 2 x 2 lay in ceiling panel included.
- Lightweight 32 lbs; complies with OSHPD seismic requirements with addition of safety wires (by others)
- System wattage 54.9W (per luminaire)
- 5 year warranty

Options and Ordering Format

Must Specify		Optional		
Model	CCT	Trim	Installation	Other Options
PRO-19045				
	-35K: 3500K, 95+ CRI -41K: 4000K, 95+ CRI -50K: 5000K, 95+ CRI	(Blank): White BioGard™ trim, blue LED indicator -BKBG: BioGard anti-microbial black -94: Custom color; consult factory -94BG: BioGard anti-microbial custom color finish -32: White oversize trim ring. Specify O.D.	(Blank): 2' x 2' ceiling pan for grid ceiling -47: Plaster frame bottom pan for hard ceiling -81: 15° angled ceiling pan for 60° illumination in one direction; increases recessed depth to 17.3"	(Blank): None -87: Custom length (> 35') wall control cable; consult factory -99: Special modification; consult factory -FS: Single in line fuse -SH: Sealed housing and junction box

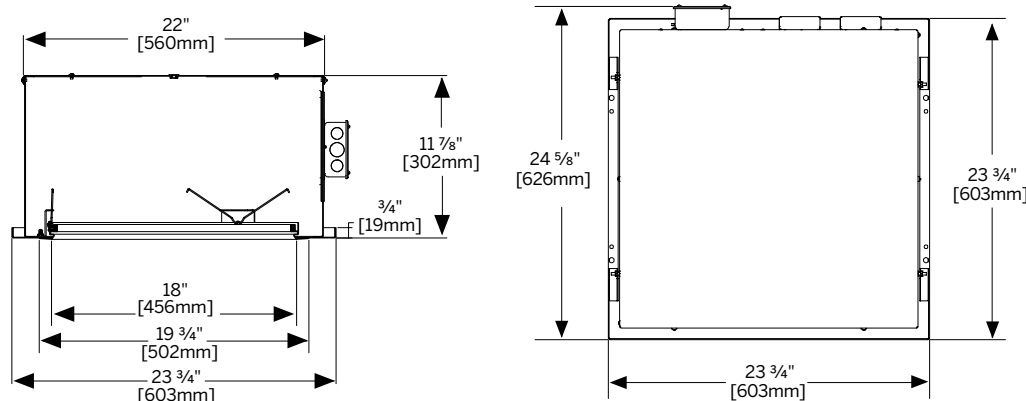
Full System Ordering Example

Part	Description	Quantity
PRO-19045-41K 	INFRALED® PRO 45 Luminaires	2
PRO-WALLC 	INFRALED® PRO Wall Control Panel	1
PRO-REMOT 	INFRALED® PRO Remote Control	1
PRO-SENSR 	Optional IR Remote Sensor	1

PRO-19 045-41K-XX-XX-XX-XX

Series	Aperture Size	Maximum Tilt (Degrees)	Color Temperature	Other Options	Installation Options	Trim Options
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Dimensions



Drawing
Not to
Scale

Declare.



Kirlin Lighting | 3401 E. Jefferson Ave., Detroit, MI 48207-4232, USA | P: 313.259.6400 | www.kirlinlighting.com

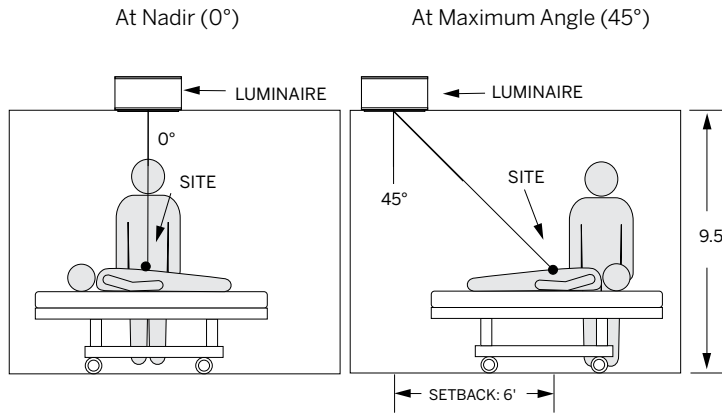
DUE TO CONTINUING PRODUCT IMPROVEMENTS, KIRLIN LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE. VISIT WWW.KIRLINLIGHTING.COM FOR THE MOST CURRENT DATA.

Recessed Aimable LED Exam Light for OR, Cath Lab & Labor/Delivery

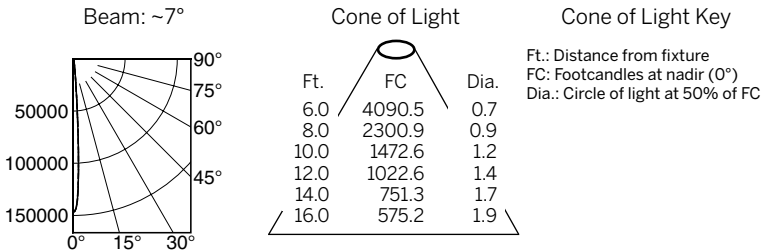
PRO-19045

Single Luminaire Performance

All configuration and performance data assumes ceiling height of 9.5' and task elevation of 3.5'.

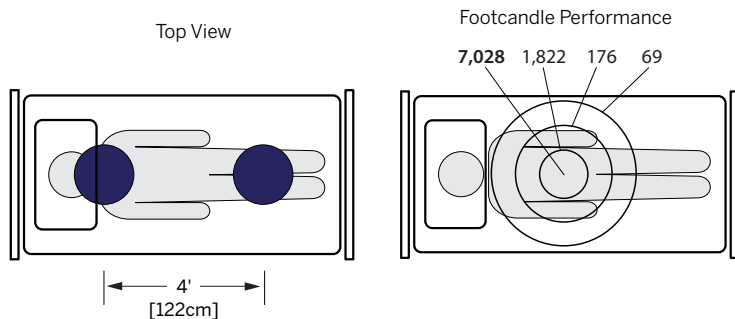


	Angle	Distance to Task	FC on Task	Lux on Task
Performance at Nadir	0°	6'	4,091	44,035
Performance at Max Angle	45°	8.5'	1,457	15,683

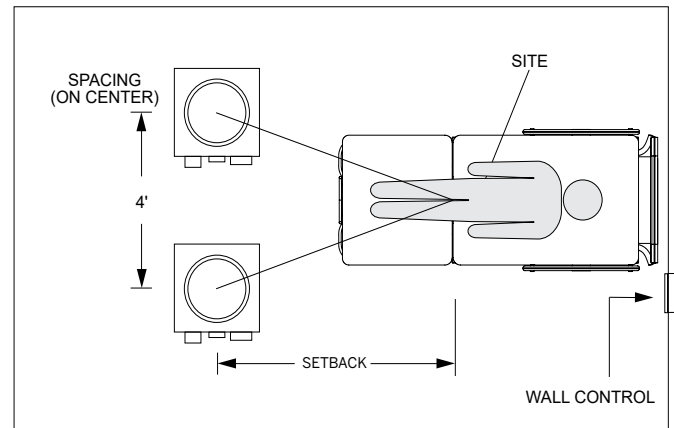


Photometric testing by I.T.L. (Boulder, CO); Test No. 93355

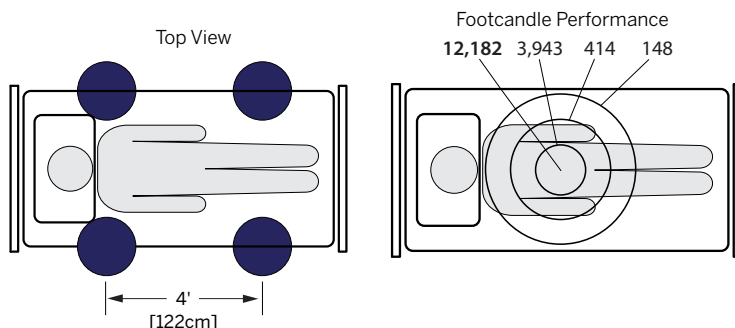
Two Light Configuration - 7,000+ fc Delivered



Labor/Delivery Configuration & Setback Recommendations



Four Light Configuration - 12,000+ fc Delivered



Ceiling Height	Setback from Break in Bed	Angle of Illumination	Footcandles on Task	Lux on Task
8'	4'	42.4°	6,375	68,620
	3.5'	39.4°	6,926	74,551
8.5'	4.5'	42.4°	5,298	57,027
	4'	39.6°	5,734	61,720
9'	5'	42.4°	4,465	48,061
	4.5'	39.9°	4,810	51,774
9.5'	5.5'	42.4°	3,809	41,000
	5'	40.1°	4,085	43,971

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

Recessed Aimable LED Exam Light for OR, Cath Lab & Labor/Delivery

INFRALED® PRO 45 is controlled via wall control panel and optional remote control. Each controller supports up to 4 luminaires from the INFRALED® PRO family. Each wall control panel includes an infrared sensor. An optional ceiling-mounted infrared sensor is also available. All wall controls, remote controls, and remote sensors must be ordered separately.

Wall Control Panel (PRO-WALLC) Required

- Full function controls for power, fixture selection, intensity and direction
- Tactile-membranes and smooth surfaces for easy cleaning with isopropyl alcohol and disinfecting agents
- May be located outside of patient room or in a secure remote location. If remote control use is anticipated, add **PRO-SENSR** option, see below
- Includes infrared receiver for remote control operation
- Magnetic docking station for remote control
- Back box provided by Kirlin
- Add option **-ACH** (Alternative channel) on wall control when adding an additional wall control in the same room
- 5 year warranty

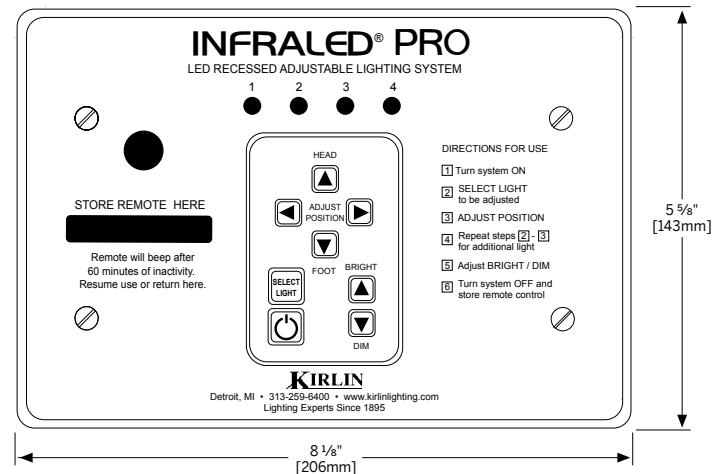
Remote Control (PRO-REMOT)

- Full function controls for power, fixture selection, intensity and direction
- Convenient one hand operation
- Tactile-membranes and smooth surfaces for easy cleaning with isopropyl alcohol and disinfecting agents
- Invisible infrared signal will not interfere with other equipment in the room
- Impact resistant construction
- Loss deterring beeper to remind user to return remote to docking station. Beeper is activated if remote control is not used for, nor returned to dock within 1 hour
- "Write-on" area for marking room number
- 2-AA batteries provided
- Low stand-by current assures long battery life
- Add option **-ACH** (alternative channel) on remote control when adding an additional remote/wall control in the same room
- Add option **-BI** (beeper inactive) when wishing to add a silence function to the remote
- Add **PRO-SENSR** (below) when wall control is located outside of patient room or obstructed from remote control's IR signal
- 1 year warranty

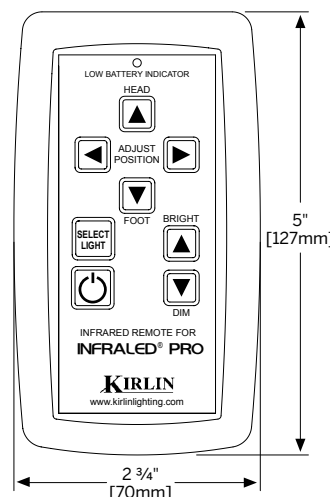
Remote Sensor (PRO-SENSR)

- Optional ceiling mounted infrared sensor enhances signal reception if wall control panel is obstructed
- Each PRO-WALLC supports one PRO-SENSR
- 5 year warranty

Wall Control Panel (PRO-WALLC)



Remote Control (PRO-REMOT)



Ceiling Mounted Infrared Sensor (PRO-SENSR)

