

INFRALITE® 60

2 LIGHT SYSTEM

RS01704

High Angle 60° Tilt:
Patented Remote
Controlled Motorized
Adjustable Recessed
Lighting System

LDRP • OB/GYN
BIRTHING SUITES

2x150 Watt Low Voltage System



Design: Inconspicuous, fully recessed lensed luminaires with smooth white BioGard™ anti-microbial finish.

Use: Fast, single-hand adjustability using either infrared remote or wall control.

Function: For challenging high angle procedures. Light beams may be superimposed or aimed separately.

Performance: Cool stable beams of ideal 100 CRI light delivers most effective 60° illumination.

This lighting system features **two** fully recessed **luminaires** plus a **wall control** and a **remote control**:

Each Luminaire Offers:

- Up to 60° tilt (from nadir) with 45° rotation
- Exclusive cold mirrored reflectors to remove heat from the beam for patient comfort
- BioGard™ anti-microbial white recessed smooth flare trim with tempered clear flat glass lens
- Two 150 watt, 22 volt 100 CRI tungsten halogen lamps for accurate visualization and color rendering

- Lightweight construction for easy installation by any qualified electrician (58 pounds)
- Complete serviceability through aperture; plug-in components for easy installation and service

Each Control Module Offers:

- Tactile-membrane controls for power, fixture selection, intensity and direction
- Smooth surfaces for convenient cleaning with isopropyl alcohol

Wall Control also features:

- Permanent magnet for remote control storage.
- Less than 1 microamp current leakage from front of wall control panel

Remote Control also features:

- Exclusive loss-detering beeper

UL, C-UL (Canada) Listed • Exclusive Three Year Warranty • Designed and Produced in U.S.A.

Options

The following Options are available for RS01704. Add Option as suffix to catalog number. Example: RS01704-94-BI.

- | | | |
|--|--|---|
| -10 Tinted lens instead; for color temperature; CRI and lumen output are reduced. | -87 Low voltage plenum rated cable length greater than 35 feet. Consult factory. | -LX Extra lamps. Specify in multiples of 12. Note: One extra pair shipped per luminaire. |
| -47 Plaster frame bottom pan. For installation in hard ceilings. | -94 Custom color self-flanged flare trim instead. Consult factory. | -RC Extra remote control. |
| -58 277/22 volt stepdown isolation transformer for 277 volt line input, prewired into each fixture; with 277 volt thermal protector. | -97 For other input supply voltages, consult factory. | -RS Remote sensor. Consult factory. |
| | -99 Special modification. Consult factory. | -SE Fixture modified to accept seismic anchorage (by others). Meets California OSHPD and International Building Codes. Consult factory. |
| | -BI Beeper (remote control) inactivated by factory. | |

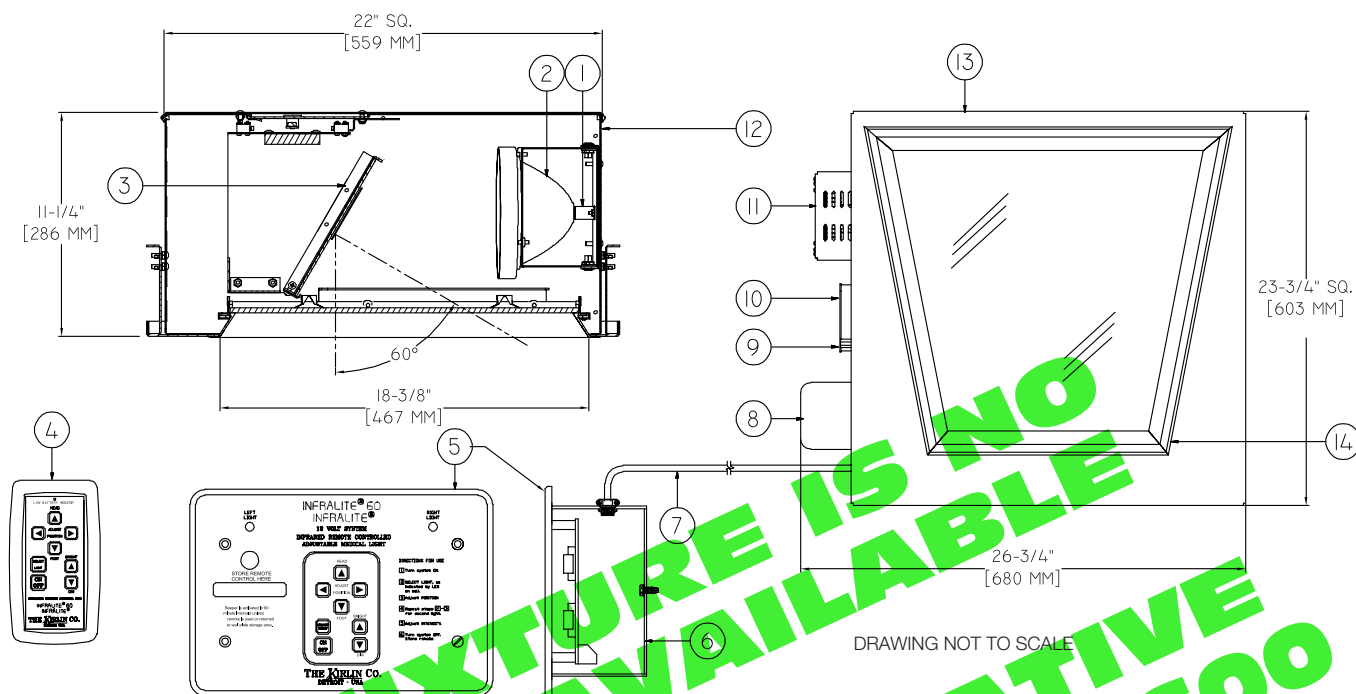
KIRLIN

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INFRA-LITE® 60 2 LIGHT SYSTEM



Features PER Luminaire:

Lamps and Sockets ①

- 2x150 watt 22 volt 100 DCB base tungsten halogen lamps (included).
- Extra pair of lamps provided.
- DCB sockets with Teflon® leads.

Reflectors ②

- 2 cold mirrored glass reflectors - remove heat from light beam.

Mirror Module Assembly ③

- Two 12 volt permanently lubricated motors control motion. Quiet operation.
- Plug-in modular electronics designed for easy maintenance.
- Visible and easily serviced through removable trim assembly.
- Tilts up to 60° (from nadir) with 45° rotation.

Infrared Remote Control ④ (one per lighting system)

- Controls power, direction and brightness.
- Emits unique frequency to avoid interfering with other infrared emitting equipment.
- Loss-detering beeper reminds user to store remote on wall control module.

Wall Control Module ⑤ (one per lighting system)

- Includes all tactile-membrane function controls (power, direction, brightness) and electronics. Also contains infrared receiver and magnetic storage strip for the remote control.
- Designed to avoid potential interference from other infrared emitting equipment.

- Less than 1 microamp current leakage from front of wall control panel.
- **UL listed back box ⑥ provided must be used for proper fit of electronics.** 1/2" and 3/4" trade size knockouts.

Low Voltage Plenum Rated Cable ⑦

- Each luminaire provided with 35' low voltage (12 volt) plenum rated cable with RJ-45 plug-in connection to wall control. Optional cable length available, see Option -87.

Isolation Transformer ⑧

- WhisperPack™ fully encapsulated 120/277 to 22 volt step-down Class H isolation transformer. Fused (in J-box).
- Cool, quiet, long life. Silicone leads.
- Visible and easily serviced.

Thermal Protection ⑨

- Per current NEC.

Junction Box (luminaire) ⑩

- Prewired 14 GA (NEC) galvanized steel, UL listed. Contains fuse and holder.
- Removable insulated cover.
- 1/2" and 3/4" knockouts.

Electronics with Power Supply ⑪

- All electronics located in aluminum box (easily accessed and serviced).
- All control wiring supplied by Kirlin is 12 volt maximum.
- Pre-connected plug-in modular electronics designed for easy maintenance.

Housing and 2'x2' Lay-In Pan ⑫

- Acrylic enameled aluminum.
- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire serviced through removable trim assembly.
- Integral 2' x 2' grid lay-in pan. White.

Installation ⑬

- Lightweight 58 pound fixture with integral 2' x 2' lay-in pan recesses in standard 2 x lay-in grid ceilings. For installation in hard ceilings, see Option -47.
- For seismic anchorage, see Option -SE.
- See page 4 for typical luminaire placement.
- May be installed (per NEC, mandatory) by any qualified electrician. Factory representative need not be present.

Trim Assembly ⑭

- Smooth white self-flanged flare with Kirlin BioGard™ anti-microbial finish.
- Regressed tempered clear flat glass lens.

UL, C-UL (Canada) Listings

- Damp or dry locations, covered ceilings.
- Through branch circuit conductors (6#12).

State of California OSHPD Seismic Anchorage Pre-Approved

Warranty

- Complete standard fixture and wall control, three years. (Lamps excluded)
- Remote control, one year.

INFRARED REMOTE CONTROLLED ADJUSTABLE LIGHTING SYSTEM

INFRA-LITE® 60
2 LIGHT SYSTEM

RS01704

Recommendations for Typical Installation:

- Fixtures placed to project light on either side of practitioner's head and over practitioner's shoulders.
- Fixture setback from break in bed determined by ceiling height, and position and height of practitioners.
- Optimally, fixtures are placed 4' apart (on center) with angle of illumination typically between 50°-55° for sitting practitioners to provide future flexibility should task location change. Consult factory for assistance in determining ideal location of fixtures.
- Wall control placed in unobstructed location and within line of sight from practitioner's location.

Recommended Fixture Setback / Location with Angle of Illumination and Light Levels

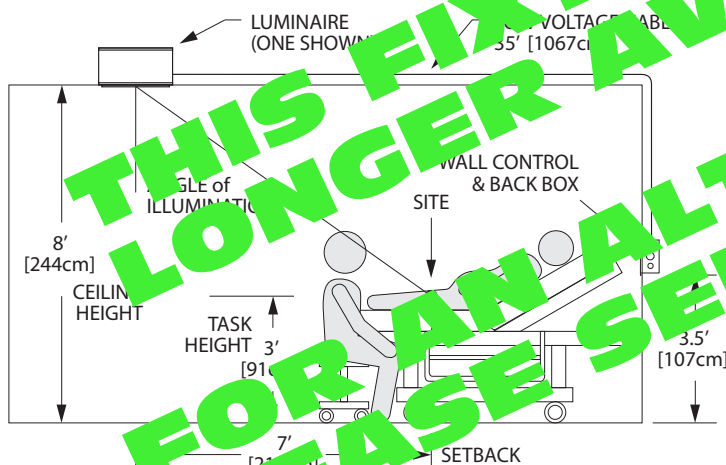
Sitting Practitioners

Ceiling Height	Setback from Break in Bed		Angle of Illumination	Footcandles* on Task
8	7.0	Optimal	54.5	6626
	6.0	Alternative	50.2	7951
8.5	8.0	Optimal	55.5	5260
	7.0	Alternative	51.8	6208
9	8.0	Optimal	53.1	4969
	7.0	Alternative	49.4	5807
9.5	9.0	Optimal	54.2	4061
	8.0	Alternative	50.9	4688
10	9.0	Optimal	52.1	3857
	8.0	Alternative	48.8	4417

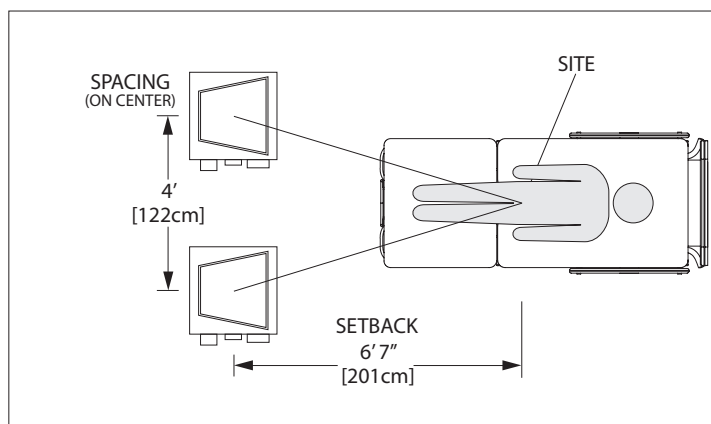
Alternative setback provided for room configurations that don't allow fixture placement in optimal setback location. For additional setback locations, consult factory.

Photometric testing by I.T.L. (Boulder, CO)
I.T.L. Test No. 54063

Typical Side View - 8' Ceiling Height



Typical Top View - 8' Ceiling Height



Sitting Practitioners

4' Spacing • 3' Work Plane • 53° Angle of Illumination

* Footcandle performance calculations are based on lamp manufacturer's published initial lumen ratings. Individual lamps may vary significantly, particularly with age. Maximum footcandles from 2 light system at full output, complete convergence of both light beams and specified line voltage (120V or 277V).

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INFRALITE® 60
2 LIGHT / 2x150 WATT
LOW VOLTAGE SYSTEM

INFRARED REMOTE CONTROLLED ADJUSTABLE LIGHTING SYSTEM

The lighting system includes both an infrared remote control and a flush wall control panel. Either may be conveniently used to accurately adjust direction and light intensity of each of the **two luminaires**. A designated magnetic strip on the wall control panel has been provided for storage of the remote control when not in use.

Remote and Wall Control Features:

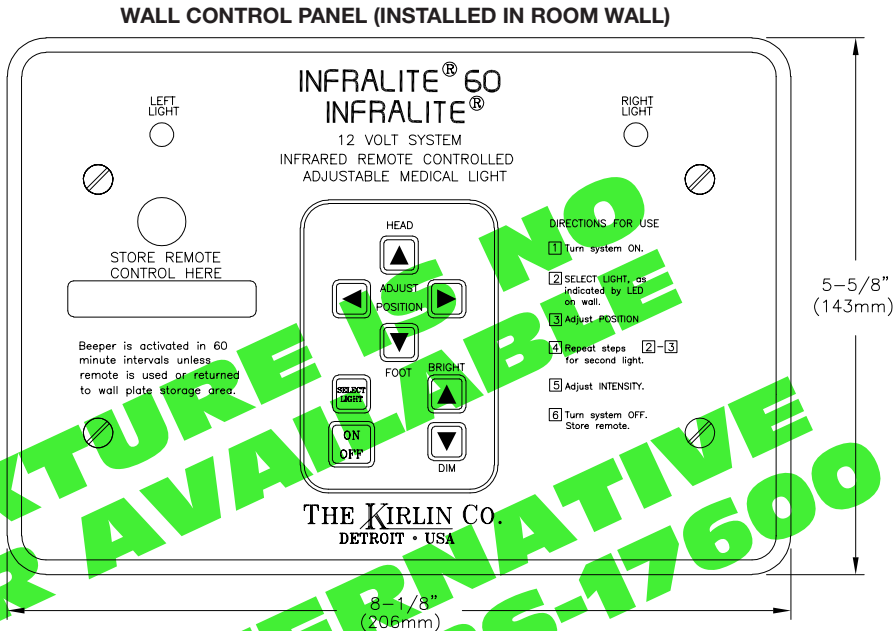
- Redundant full function controls for:
 - Power
 - Fixture selection
 - Intensity (dimmer or brighter)
 - Direction (tilts up to 60° from nadir, with 45° rotation).
- Convenient one hand operation.
- Tactile-membranes and smooth surfaces for easy cleaning.

Remote Control (only) Features:

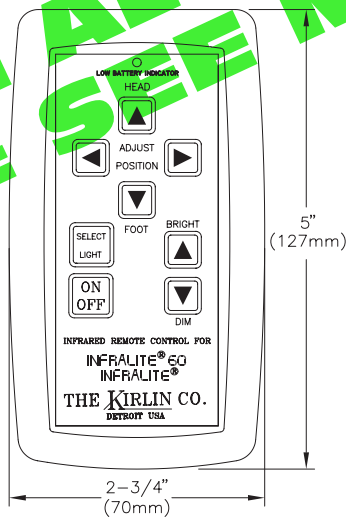
- Invisible infrared signal will not interfere with other equipment in the room.
- Durable construction to withstand common mishaps (dropped on floor).
- Includes loss deterring beeper to remind user to return remote to storage area on wall control panel. Beeper is activated if remote control is not used for, nor returned to wall control panel within 1 hour.
- 9 volt standard battery provided.
- Low stand-by current assures long battery life.
- Back side has special "write-on" area for marking room location.

Wall Control (only) Features:

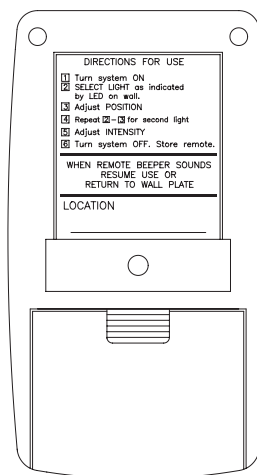
- Includes infrared receiver.
- "Right" and "Left" fixture indicator lights.
- Magnetic docking station for remote control.
- Less than 1 microamp current leakage from front of wall control panel.
- Back box provided by Kirlin.



REMOTE CONTROL FRONT



REMOTE CONTROL BACK



SUBMITTAL DATA

JOB NAME _____
 TYPE _____
 WATTAGE _____ VOLTAGE _____
 CATALOG NUMBER _____

APPROVAL STAMP