



FOCAL POINT™

Bringing It All To Light™



Saros Duo™

TANDEM HEALTHCARE LUMINAIRE SUPPORTING WELLNESS AND RECOVERY

A brand of  legrand



Patient bed luminaire for integrative lighting

Inspired by the restorative effect of gazing at the horizon, Saros Duo™ supports wellness and recovery through multiple research-backed lighting scenes.

This novel tandem luminaire intended for use in patient rooms, also suitable for examination rooms and ambulatory care areas, meets the needs of clinical staff while providing patients comfort and safety.

The gentle curves and indirect ambient illumination convey softness and an overall sense of calm while promoting visual comfort. Two exam modes support the critical work of clinicians while the reading and night light cater to patients' needs and safety.

Saros Duo can be used to easily implement the latest recommendations on integrative or circadian lighting, supporting the non-visual effects of light, per the CIE, ANSI/IES RP 29-22, RP-46-23, UL DG 24480, and the WELL Building Standard.



Beauty, functionality, and circadian entrainment

Saros Duo™ supports circadian entrainment by offering a selection of scenes that meet the prescribed Melanopic Equivalent Daylight Illuminance (Melanopic EDI) thresholds required during the day, before bedtime, and at nighttime per the ANSI/IES RP-46-23, UL DG 24480, and the WELL Building Standard, among others.

The result of thoughtful engineering following the latest research on how light can support physiology, sleep, and wakefulness, Saros Duo uses direct and indirect light sources to visually transition between high and low levels of illumination over the course of the day. An amber nightlight allows for visibility and safety, without blue wavelengths to minimize sleep disruptions.

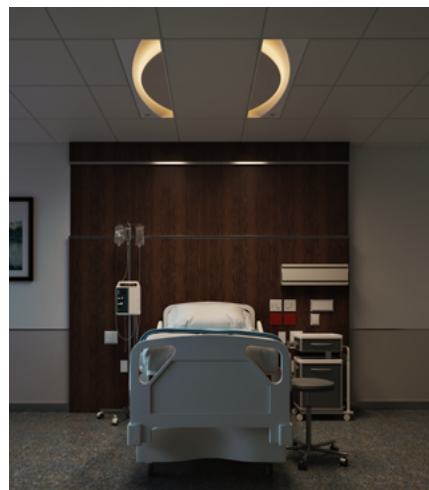
Saros Duo's powerful, low-glare optics deliver a pleasant atmosphere and foster positive outcomes for patients by stimulating the natural sleep and wake cycle.

LIGHTING SCENES SUPPORTING THE HUMAN CIRCADIAN SYSTEM

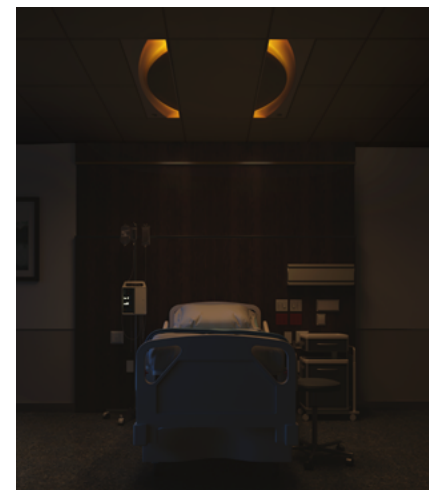
As daylight shifts in color and intensity over the course of the day, lighting scenes can be programmed to transition from vibrant direct and indirect lighting, to soft and indirect only, with an option for an indirect amber nightlight.



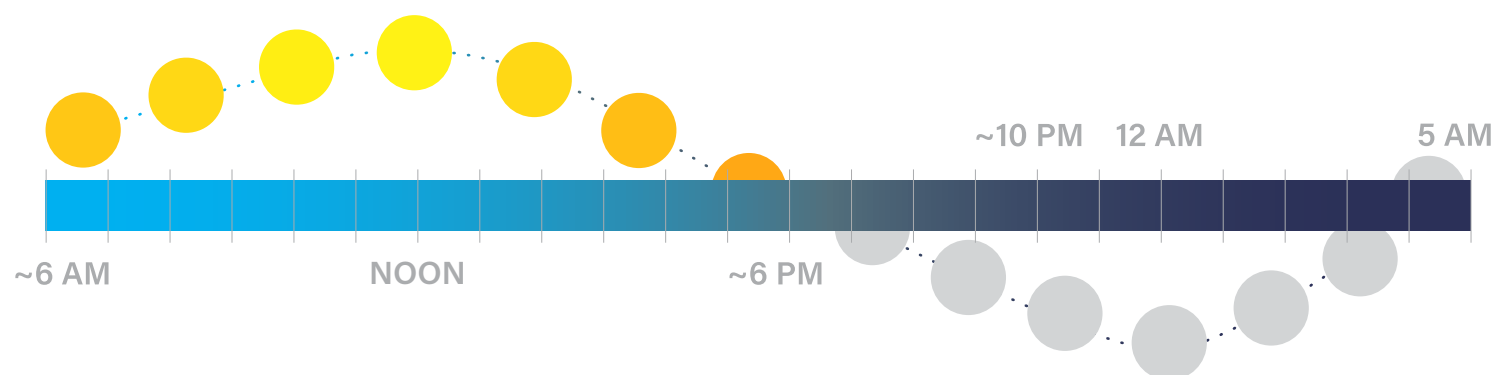
DAYTIME



EVENING



NIGHTTIME



EXAMINATION MODES FACILITATING THE WORK OF CLINICAL STAFF

Two exam modes: Regular or High, deliver 75 or 100 foot-candles on the bed and provide a Cyanosis Observation Index (COI) of 3.3 or less.



REGULAR EXAM



HIGH EXAM

PATIENT CONTROLLED READING LIGHT

A comfortable reading light can be controlled by the patient via a pillow speaker, offering focused and comfortable illumination at any time of the day or night.



How to achieve ideal lighting scenes

Saros Duo™ is an effective tool to easily achieve Melanopic EDI thresholds for circadian entrainment with individually controlled direct and indirect light sources. While the color temperature of each source is constant, each can be specified at a different color temperature, if desired. This allows for simultaneous warm and cool light temperatures, similar to that seen in direct sun and skylight.

For example, a CCT of 3500K can be selected for the direct light source, used primarily for the daytime scene and exam mode. The higher blue content will provide the bright daylight required. A warmer CCT can be specified for the indirect light source, ensuring a calming atmosphere for the evening scene. Daytime, evening, and nighttime scenes can be programmed by simply adjusting the dimming levels of the light sources.

The following pages indicate the dimming levels to achieve the recommended daytime and evening Melanopic EDI based on selected color temperatures.

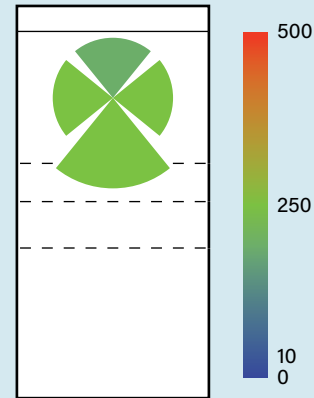
DAYTIME SCENE

The daytime scene blends direct and indirect light sources to deliver a bright, cheerful ambiance during morning hours and into the afternoon.



2700K Indirect, 3500K Direct shown

Recommended for **at least 4 hours** per day



Delivers Melanopic EDI of **250+ lux** on a vertical plane at eye level

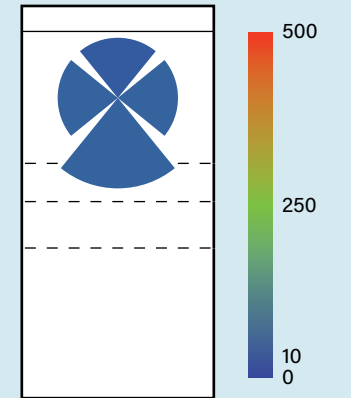
EVENING SCENE

The evening scene uses the indirect light source, resulting in a soothing atmosphere before bedtime.



2700K Indirect

Recommended for **at least 3 hours** before bedtime



Delivers Melanopic EDI of **10 lux or less** on a vertical plane at eye level

UGR 14 from the patient's perspective

Dimming percentages and Melanopic EDI

Optimal combinations of dimming percentages for different correlated color temperatures deliver **250 Melanopic EDI**.

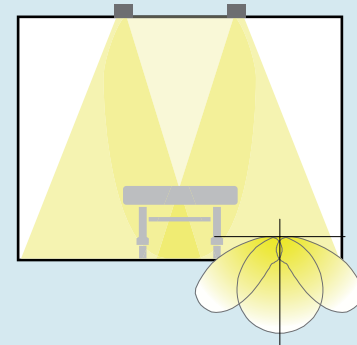
It is also possible to adjust the light output more precisely with in-situ readings post installation.

Cooler CCTs are recommended for the daytime scene.

| | Direct Source | Indirect Source | | | |
|---------------|---------------|-----------------|-------------|-------------|-------------|
| | | 2700K | 3000K | 3500K | 4000K |
| Direct Source | 2700K | 100% 88% | 100% 84% | 100% 77% | 100% 74% |
| | 3000K | 100% 76% | 100% 72% | 100% 66% | 100% 64% |
| | 3500K | 100% 63% | 100% 60% | 100% 55% | 100% 53% |
| | 4000K | 100% 59% | 100% 56% | 100% 51% | 100% 49% |

Recommended combinations to achieve 250 Melanopic EDI. Dimming percentages based on 11000lm Direct, 5600lm Indirect output.

Light distribution



Dimming percentages and Melanopic EDI

Optimal combinations of dimming percentages for different correlated color temperatures deliver **10 Melanopic EDI** or less.

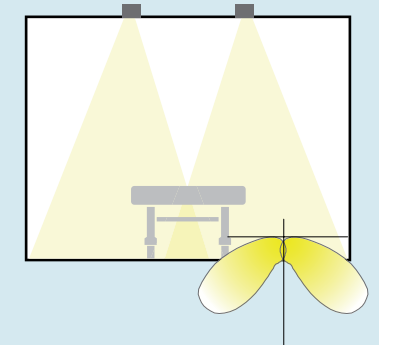
It is also possible to adjust the light output more precisely with in-situ readings post installation.

Warmer CCTs are recommended for the evening scene.

| | Direct Source | Indirect Source | | | |
|---------------|---------------|-----------------|-----------|-----------|-----------|
| | | 2700K | 3000K | 3500K | 4000K |
| Direct Source | 2700K | 15% 0% | 13% 0% | 11% 0% | 10% 0% |
| | 3000K | 15% 0% | 13% 0% | 11% 0% | 10% 0% |
| | 3500K | 15% 0% | 13% 0% | 11% 0% | 10% 0% |
| | 4000K | 15% 0% | 13% 0% | 11% 0% | 10% 0% |

Recommended combinations to achieve 10 Melanopic EDI. Dimming percentages based on 11000lm Direct, 5600lm Indirect output.

Light distribution

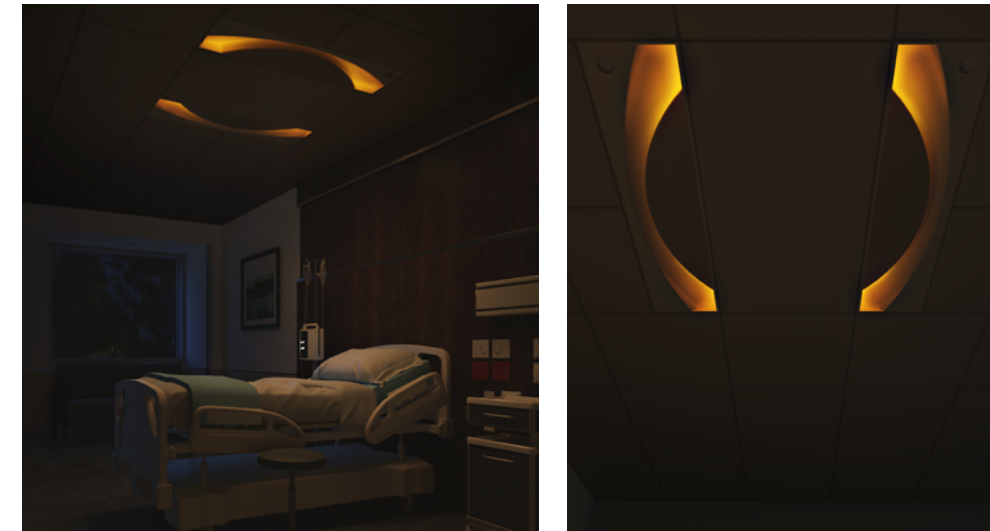


How to achieve ideal lighting scenes



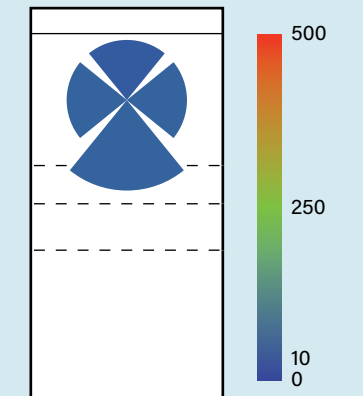
NIGHTTIME SCENE

A quiet night scene results from a dedicated nightlight source. A soft amber nightlight ensures patient safety without sleep disruption.



Narrow-band, 600nm amber light source without blue wavelengths.

Recommended when illumination is needed during sleeping hours



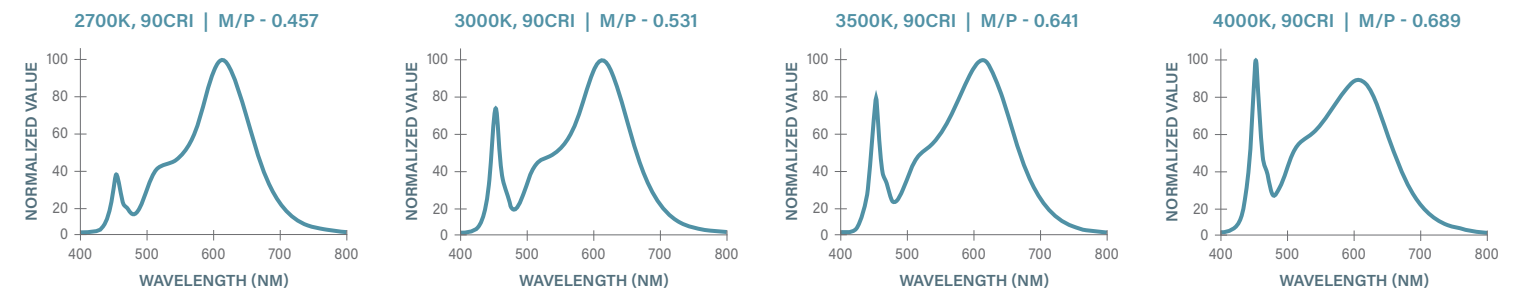
Delivers Melanopic EDI of **1 lux or less** on a vertical plane at eye level

UGR <6 from the patient's perspective

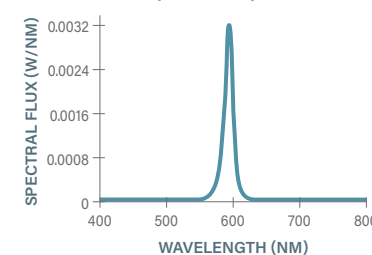
600 nm amber light source

SPECTRAL POWER DISTRIBUTIONS

There are several similar recommendation standards for Integrative Lighting and Human Centric Lighting. The following spectral data and melanopic efficacy is provided to support calculations relative of the Saros Duo light sources at different color temperatures.



NIGHTLIGHT | 600 NM | M/P - 0.025



R = M/P Light sources melanopic content / Light sources photopic content

EML Equivalent Melanopic Lux (WELL v2.0)
EML = Illuminance (fc) * R

Melanopic EDI Equivalent Daylight Illuminance (CIE S026)
Melanopic EDI = Illuminance (fc) * DER
Melanopic EDI = 0.91EML

DER (Daylight Efficiency Ratio)

WELL Building Standard

UL DG 24480
Design Guideline for Promoting Circadian Entrainment with Light for Day-Active People

ANSI/IES, RP-46-23
Recommended Practice: Supporting the Physiological and Behavioral Effects of Lighting in Interior Daytime Environments. New York: IES; 2023

CIE S 026:2018
CIE System for Metrology of Optical Radiation for ipRGC-Influenced Responses to Light

Two examination modes

Regular and High examination modes deliver the required illumination on the patient bed as per ANSI/IES RP 29-22.

Reading light

REGULAR EXAM

A lower intensity examination mode with direct light sources illuminating the bed.



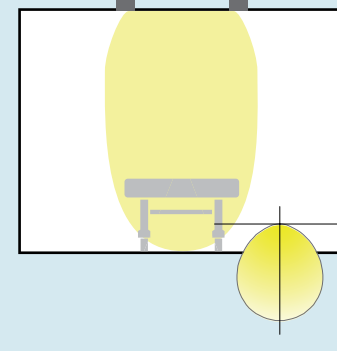
3500K Direct shown



Delivers **at least 75 foot-candles** at 90+ CRI on the bed

Cyanosis Observation Index (COI) of **3.3 or less**

Light distribution

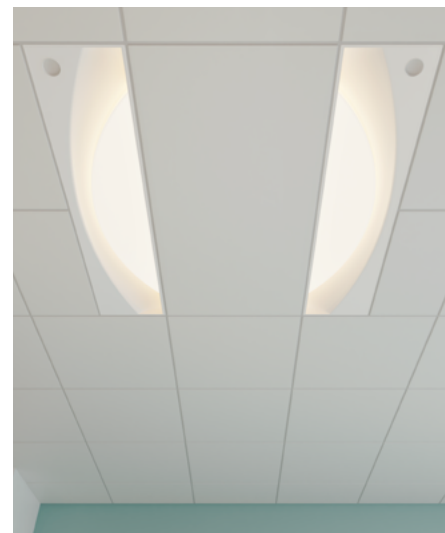


HIGH EXAM

A higher intensity examination mode with direct and indirect light sources illuminating the bed.



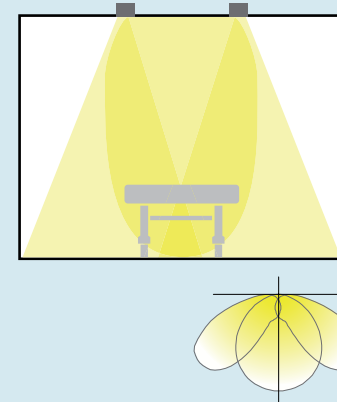
2700K Indirect, 3500K Direct shown



Delivers **at least 100 foot-candles** at 90+ CRI on the bed

Cyanosis Observation Index (COI) of **3.3 or less**

Light distribution

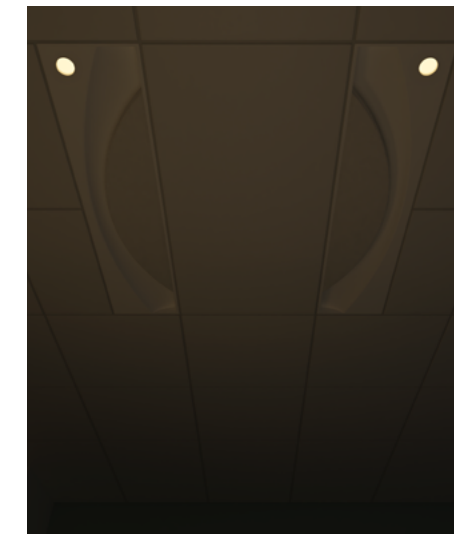


READING LIGHT

A soft but powerful reading light focused on the reading plane.

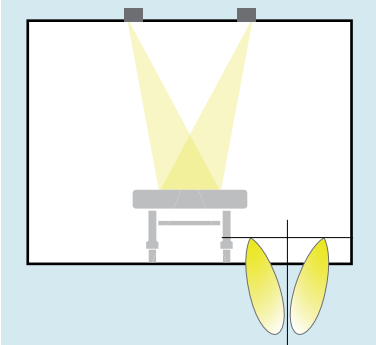


2700K Indirect



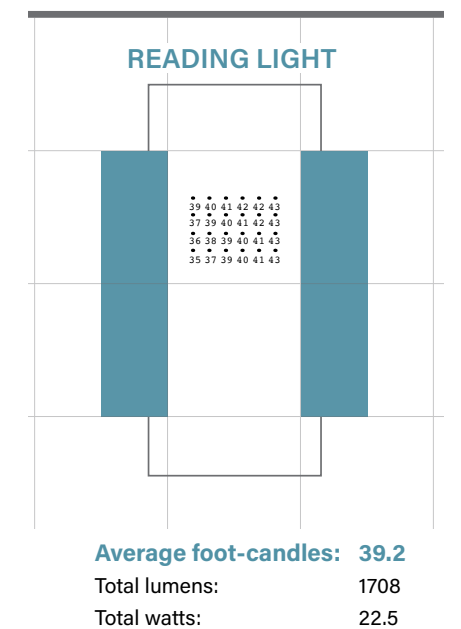
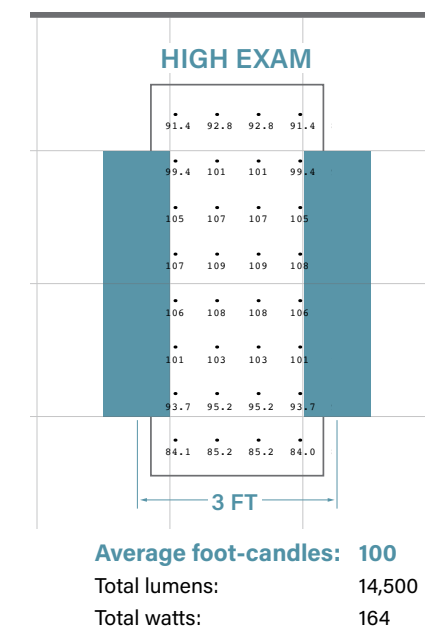
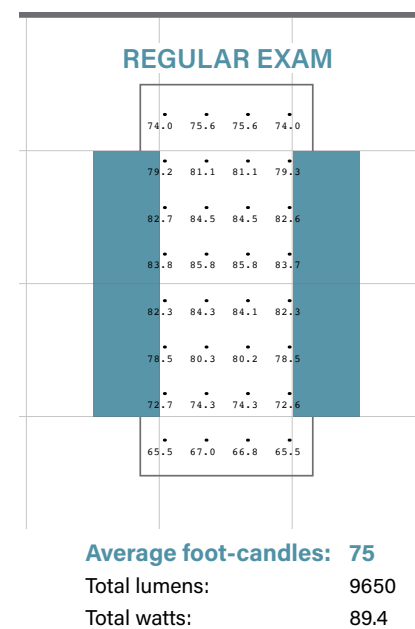
UGR 14 from the patient's perspective

Light distribution



IDEAL PATIENT ROOM LAYOUT

Saros Duo™ is designed for simple installation into grid ceilings with a three-foot on-center spacing, two feet from the head wall, and also suitable for drywall ceilings.



Simple installation and maintenance

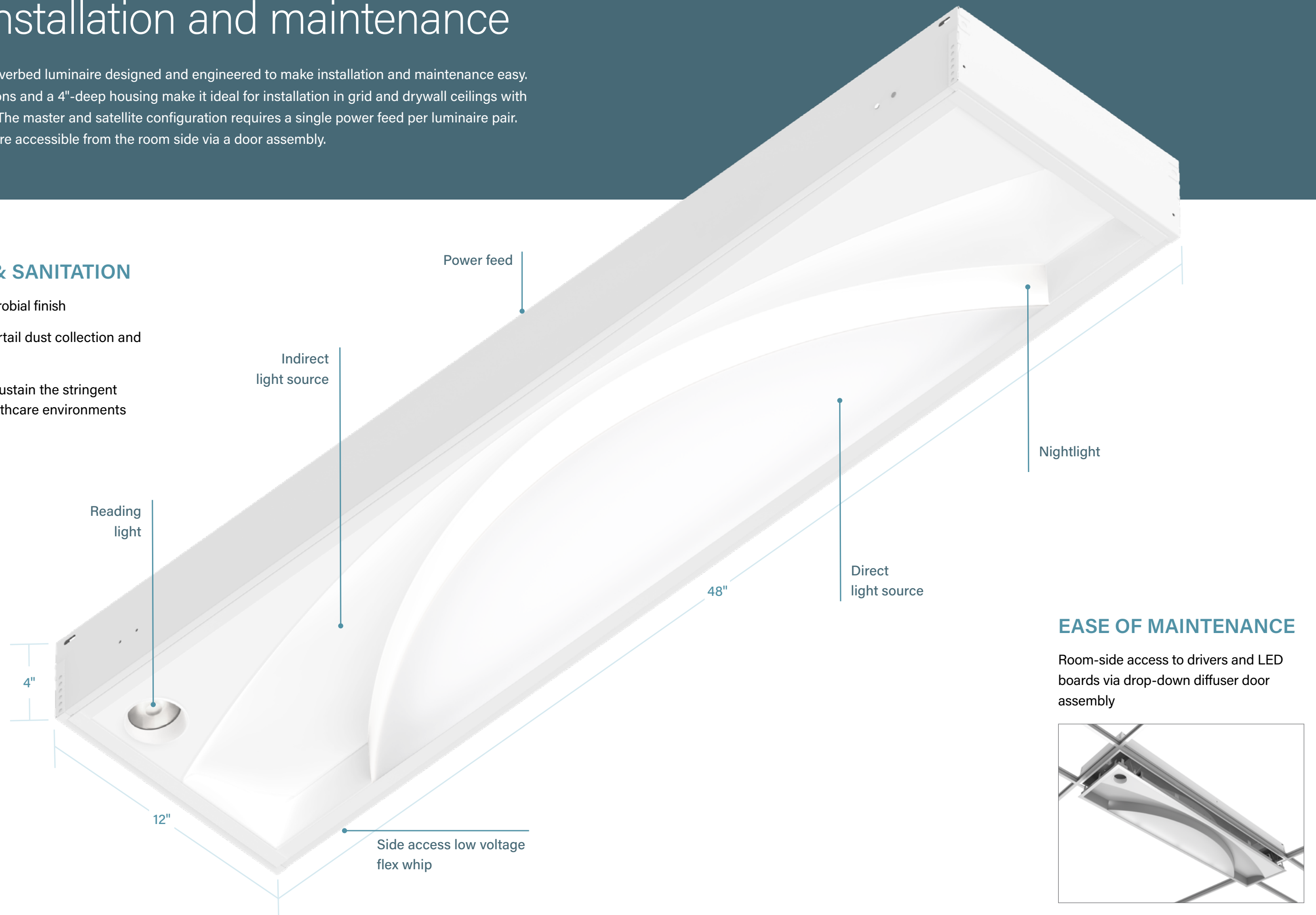
Saros Duo™ is a tandem overbed luminaire designed and engineered to make installation and maintenance easy. Standard 12" x 4' dimensions and a 4"-deep housing make it ideal for installation in grid and drywall ceilings with restricted plenum space. The master and satellite configuration requires a single power feed per luminaire pair. Drivers and LED boards are accessible from the room side via a door assembly.

CLEANABILITY & SANITATION

Matte Satin White antimicrobial finish

Luminaire designed to curtail dust collection and wipe-down friendly

Acrylic lens designed to sustain the stringent cleaning protocols of healthcare environments



EASE OF MAINTENANCE

Room-side access to drivers and LED boards via drop-down diffuser door assembly



Low Voltage Controller Options

The use of low voltage controls allows for patients to control the ambient, reading, and night light via a pillow speaker while also providing flexibility for healthcare professionals to control the luminaire from a wall switch. Saros Duo is available with on/off, step or smooth dimming capabilities.

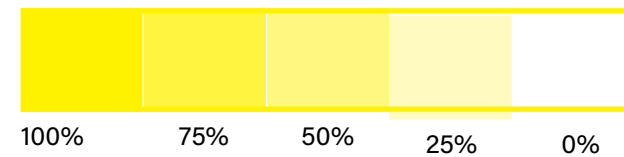
SMOOTH DIMMING

Smooth dimming allows for a controlled progression of light output starting at 100% and dimming down to 1% with a simple push and continuous hold of a button.



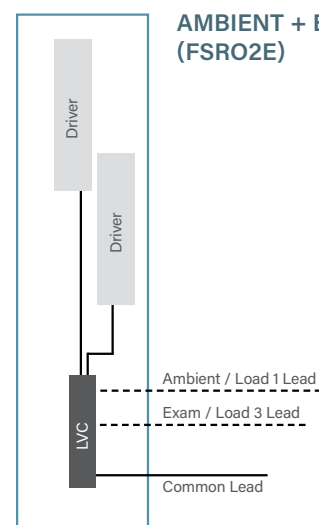
STEP DIMMING

Step dimming allows for a controlled progression of light output in four steps with 25% increments: 100%, 75%, 50% and 25% with simple push button functionality.

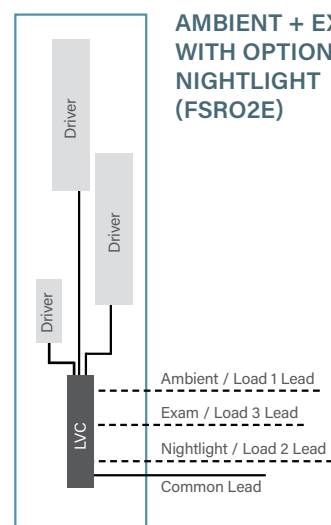


A custom Curbell low voltage controller is designed to operate up to three separate loads. Load 1 & 2 intended to be wired to the pillow speaker allowing for patient control. Load 3 intended to default to exam light levels at a wall switch. The LVC accepts a single universal voltage input of 120-277V and is pre-installed in the luminaire. Refer to luminaire cut sheets for specification information.

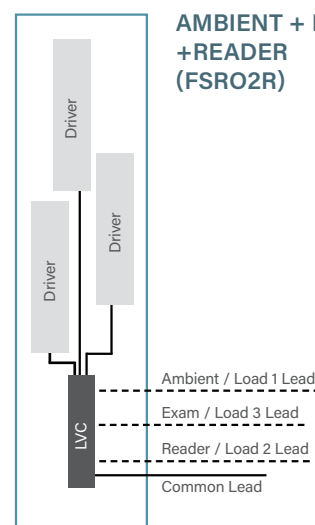
AMBIENT + EXAM (FSRO2E)



AMBIENT + EXAM WITH OPTIONAL NIGHTLIGHT (FSRO2E)



AMBIENT + EXAM + READER (FSRO2R)



Patient room lighting solutions

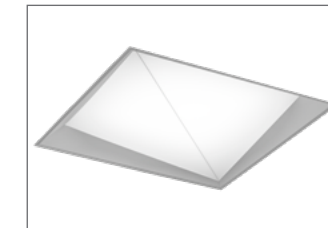
Several luminaires offer solutions for patient rooms and other healthcare settings. Consult the Healthcare Design Guide at focalpointlights.com/Healthcare for more recommendations and design strategies.



Saros Duo



Apollo 8



Facetta



Zephyr



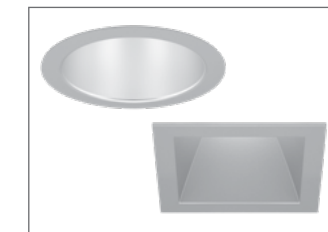
Seem Vanity



Seem Recessed



Seem Wall Mount



ID+ Downlights



SEEM 1 VANITY



FOCAL POINT®      

©2025 Focal Point, LLC. 4141 S. Pulaski Road, Chicago, IL 60632 | T 773.247.9494 | www.focalpointlights.com. All rights reserved.
"Focal Point", "Saros Duo", "Bringing It All To Light" and the light-ray graphic are trademarks or registered trademarks of Focal Point, LLC.
Visit focalpointlights.com for specifications and other details on our entire Focal Point catalog.