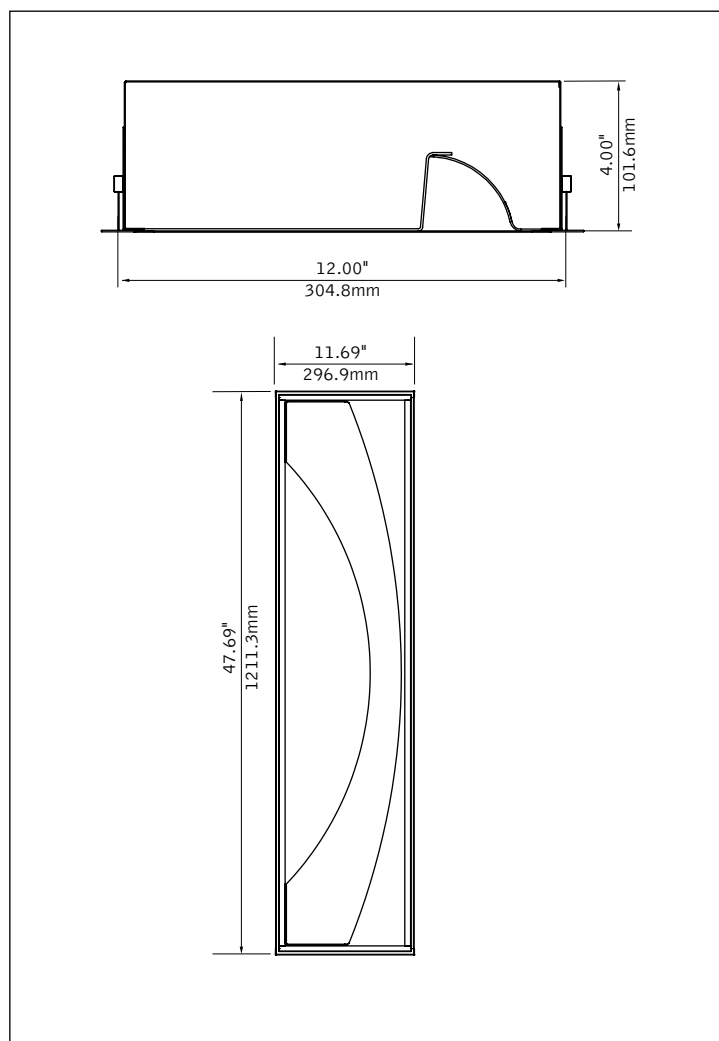


Saros Duo™ Ambient + Exam



DIMENSIONAL DATA



FEATURES

Patent pending recessed patient bed tandem luminaire with ambient and exam functions with optional nightlight.

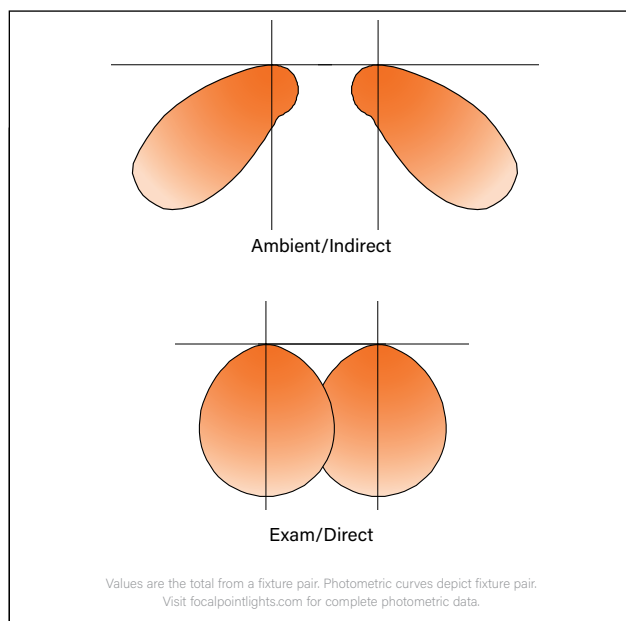
Aesthetically pleasing design provides brightness control, even illumination, and easy wipe down for cleaning.

Master and satellite configuration, connected with a low voltage whip, requiring a single power feed per pair.

Low profile housing suited for restricted plenum space.

Custom Curbell dimmable low voltage controller option enables dimming capabilities from a bedside pillow speaker.

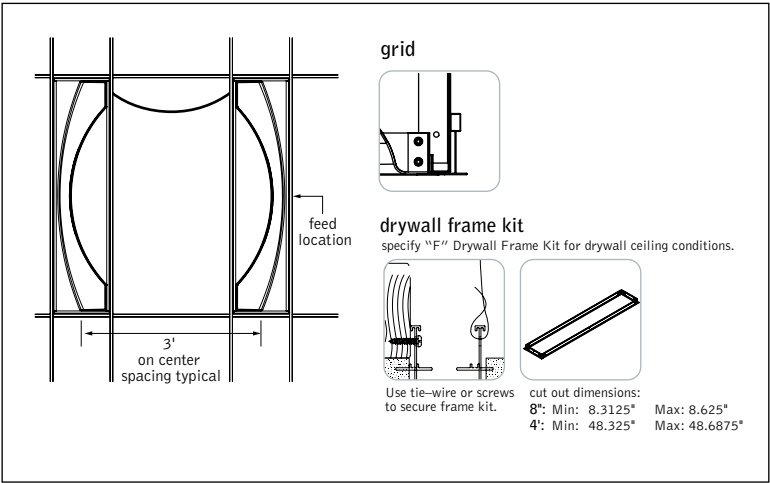
DISTRIBUTIONS



fixture:

project:

MOUNTING INFORMATION



SPECIFICATIONS

LED System

Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 2700K, 3000K, 3500K and 4000K with both 80+ and 90+ CRI options. 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. 0-10V dimming driver standard. LED modules and drivers are replaceable from below. Color accuracy <3 SDCM.

Construction

Steel housing. Easy maintenance via drop-down diffuser door assembly. Convenient access plates for electrical connections. Positional clips standard.

Optic

Matte white ambient reflector provides pleasant indirect lighting. Exam LEDs are asymmetrically angled to focus light on the patient bed.

Electrical

An optional Low Voltage Controller (LVC) allows control of the light sources from a pillow speaker, bed communication side rail device, or momentary dry contact switch. The LVC is configurable to operate with one to three switches, depending on the number of light sources in the fixture and the configuration of buttons on the pillow speaker. The controller also enables dimming of the light sources. It is FCC compliant and will not cause harmful interference. LVC leads are factory labeled. Amber nightlight (NGT) provided with 120/277 connection and operates independant of LVC unless LVCB is selected.

Labels

UL and cUL listed. Suitable for Dry or Damp Locations, indoor use only.

Finish

Polyester powder coat applied over a multi-stage pre-treatment. Optional antimicrobial polyester powder coat applied over a multi-stage pre-treatment.

Lumen Maintenance

Reported: L70>72,000 hours Calculated: L70 at 180,000 hours
Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

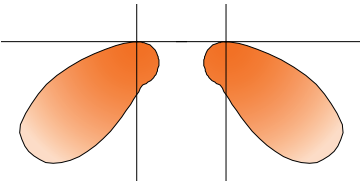
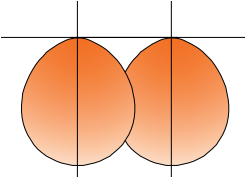
Warranty

LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

PERFORMANCE CHART - SEE PAGE 3

ORDERING			
Luminaire Series			FSR02E
Saros Duo Ambient + Exam		FSR02E	
Nominal Size			14
1' x 4'		14	
Ambient/ Indirect Source	Pair Total - Lumen Output		
	4400 Lumens	4400A	
	5600 Lumens	5600A	
	Color Temperature		
	2700K, 80+ CRI or 90+ CRI	27K or 927K	
Exam/ Direct Source	3000K, 80+ CRI or 90+ CRI	30K or 930K	
	3500K, 80+ CRI or 90+ CRI	35K or 935K	
	4000K, 80+ CRI or 90+ CRI	40K or 940K	
	Pair Total - Lumen Output		
	5900 Lumens	5900E	
Exam/ Direct Source	9200 Lumens	9200E	
	11000 Lumens	11000E	
	Color Temperature		
	2700K, 80+ CRI or 90+ CRI	27K or 927K	
	3000K, 80+ CRI or 90+ CRI	30K or 930K	
Exam/ Direct Source	3500K, 80+ CRI or 90+ CRI	35K or 935K	
	4000K, 80+ CRI or 90+ CRI	40K or 940K	
	Circuit		2C
	Two Circuit	2C	
	Voltage		UNV
	120/277 Volt	UNV	
Control System & Dimming Level	0-10V - 1% Dimming		L11
	0-10V - 10% Dimming		LD1
	Low Voltage Controller - On/Off (1-button pillow speaker controls ambient sources)		LVC
	Low Voltage Controller - On/Off (2-button pillow speaker controls ambient & nightlight sources)		LVCB
	Low Voltage Controller - 1% Dimming (1-button pillow speaker controls ambient source)		LVC1
Low Voltage Controller - Step Dimming (1-button pillow speaker controls ambient source) (Consult factory for alternate LVC wiring configurations or Acuity nLight & Wattstopper DLM options)	Low Voltage Controller - Step Dimming		LVCP
	Mounting		
	Drywall Frame Kit	F	
	Grid	G	
	Factory Options		
Amber Nightlight	Amber Nightlight		NGT
	Chicago Plenum (not available with Flex Whip)		CP
	Emergency Circuit (Consult factory for LVC options)		EC
	Emergency Circuit with Generator Transfer Device (120/277 Volt only. Not available with EC. Consult factory for LVC options)		ECGT
	6' New York City Flex Whip (120V)		FN1
6' New York City Flex Whip (277V)	6' New York City Flex Whip (277V)		FN2
	6' Flex Whip		FW
	Finish		
	Matte Satin White		WH
	Matte Satin White Antimicrobial		WHA

FIXTURE PAIR PERFORMANCE CHART

	Function/ Source	Lumen Output	Tested System Watts	80+ CRI		90+ CRI	
				Delivered Lumens	LPW	Delivered Lumens	LPW
	Ambient/ Indirect	4400	55.0	4430	80.5	3808	69
		5600	74.7	5640	75.5	4850	65
	Exam/ Direct	5900	42.6	5950	139.7	5074	119
		9200	70.4	9242	131.3	7880	112
		11000	89.4	11286	126.2	9646	108

Values are the total from a fixture pair. Ambient/Indirect based on 2700K. Exam/Direct based on 3500K. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

LUMEN MULTIPLIER CHART

Color Temp	Ambient/Indirect	Exam/Direct
2700K	1.00	0.93
3000K	1.04	0.97
3500K	1.07	1.00
4000K	1.10	1.03

IES files for 80 & 90 CRI are available to download from focalpointlights.com/saros