

RT | Interior

Date	Project	Firm	Type
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Seamless Integration
OIO Plane is a uniquely designed stretch membrane back-lit by grazing from two sides, creating gradient scenes that match the colors and spectra of the sky. It installs into recessed pockets to create a seamless look that disappears into the architecture.

Health-First Lumination
Delivers clinically validated circadian-supportive light, promoting alertness during the day and restorative rest at night.

Engineered for Performance
Combines precise wavelength control, durable construction, and long-lasting reliability to meet the highest standards of healthcare and wellness environments.



Model	Dimensions	Power	Spectrum	Color
RT	66×66 - 66in x 66in <i>Custom sizes are available. Consult your Ecosense representative for more information.</i>	VH - Very High Output	CIRC - Circadian	W - White

Example: RT-66×66-VH-CIRC-W

Performance

Model Size	Power	Watts	CCT/Mode	Lumen Output	Efficacy
RT-66×66	VH	180W	5000K/Day	3,700 lm	57 lm/W
		180W	4500K/Day	3,600 lm	56 lm/W
		180W	3000K/Evening	2,800 lm	44 lm/W
		180W	2700K/Evening	2,800 lm	44 lm/W

Lumen Maintenance

Reported*		
40°C		
L90	L80	L70
>33,000	>33,000	>33,000

Lifetime data based on 4500K Day Mode.

CCT Range
1500-6500K

Color Rendering Index
85+ for all CCTs and Modes

Color Consistency
3-Step Macadam Ellipse

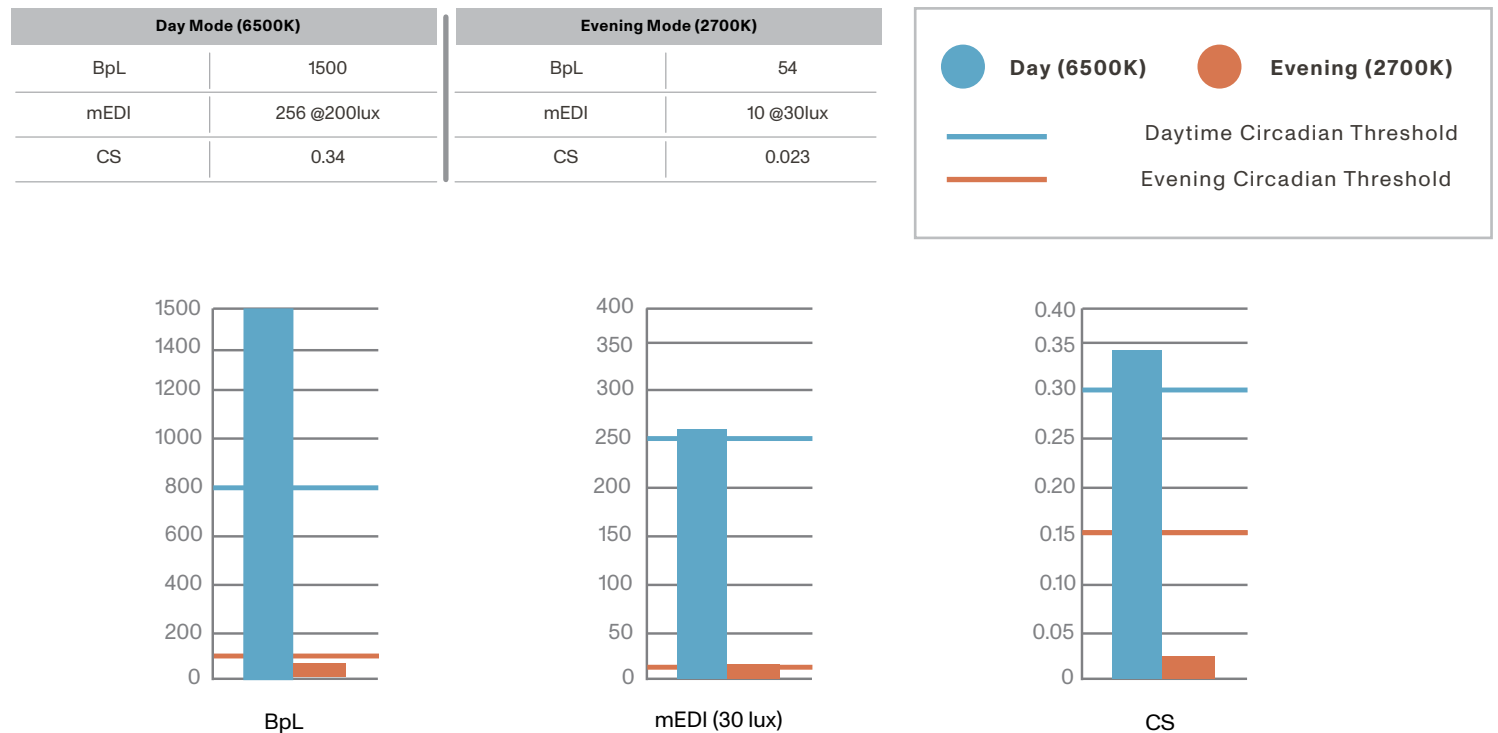
*Reported hours comply with TM-21 guidelines that extrapolations cannot exceed six times LM-80 tested LED hours.

**Calculations for LED fixtures are based on measurements that comply with IES LM-80 testing procedures and IES TM-21 calculator.

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Date	Project	Firm	Type
Electrical	Driver	Proprietary Integral driver algorithmically corrected current compensation for color accuracy	
	Power Consumption	66in x 66in VH - 180W	
	Power Factor	VH @120V-PF>0.99; VH @230V-PF>.95; VH @277V-PF>.90	
	THD	<7% @120V; <10% @230V; <12% @277V	
	Operating Voltage	Multi-volt: 110-277VAC, 50/60HZ	
	Startup Temperature	14°F TO 104°F (-10°C TO +40°C)	
	Operating Temperature	14°F TO 104°F (-10°C TO +40°C)	
	Storage Temperature	-4°F TO 140°F (-20°C TO +60°C)	
Control	Dimming Protocol	DMX/RDM: 2 personalities 1. (DEFAULT) 8-BIT; CH1=Intensity, CH2=CCT(1500-6500K), CH3=Mode (Day or Night) 2. 16-BIT; CH1&2=Intensity (Coarse&Fine), CH3=CCT(1500-6500K), CH4=Mode (Day or Night),	
	Dimming Range	100%-3%	
Physical	Dimensions	Pocket depth 4in min, Width 4ft-6ft, Length 4ft min and up to 45ft max	
	Light Engine	Aluminum Housing, acrylic optics, Integral driver	
	Membrane	PVC(Phthalate free, No heavy metals), translucent white, non-fluorecing	
	Wiring	Light engine is equipped with male and female connectors. Cables are provided to connector fixture and splice into building power	
	Environment	Interior • UL certified for damp/dry locations IP40	
	Mounting Options	Installed into ceiling or wall pockets provided by others. Can also be installed into surface mount boxes by others.	
Fixture Rating & Certifications	UL US & CA LISTED RoHS	 	
Limited Warranty	5 Years		

Circadian Metrics



NOTE: EML, mDER, and mEDI are derived from testing on dark-adapted humans who only experience light exposure for short durations. In short durations green spectra contributes to melanopic suppression; however, over the course of a full day the eye adapts and green has diminished effects in the evenings. While OIO Plane is above the evening threshold, it is still lower than competitive products.

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OIO Plane 66X66in

