

Casper Pendant Overview

CASPER COLLECTION



Specifications

LIGHTING	Integrated LED light source offering high lumen output and efficacy. Color consistency of 3 SDCM. See additional information summarizing lumen distribution, wattage, and efficacy on following pages. Tunable white and RGB options available.	CERTIFICATION	Luminaire is CSA listed conforming to UL Standard 1598 in the U.S. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.73 (G), this luminaire contains an internal driver disconnect. Damp Location Rated. All electronic components are RoHS compliant, and the mechanical components of the luminaire have been verified to meet RoHS Directive 2002/95/EC.
LUMEN MAINTENANCE	Reported TM-21 Lifetimes L90(17k) = 52,600 hours L80(17k) > 102,000 hours L90(17k) > 102,000 hours	CLEANING & CARE	Designed to withstand the demands of rigorous cleaning requirements. Effective cleaning and disinfection of environmental surfaces reduces microbe transmission. Superior chemical resistance and durability promotes safety in any design application. Use common disinfectants and cleaners to reduce microbe transmission.
DIFFUSION	Frosted optical diffuser produces even illumination.	WARRANTY	5 year warranty on all standard components.
MOUNTING	Adjustable stainless steel aircraft cable, contact studio for lengths over 20'		
DRIVERS	120-277V constant current, dimming driver standard. Can be wired dimming or non-dimming. 0-10v dimming input with a range of 1%-100%. Dim-to-Off standard. Driver can be accessed from the fixture. Power factor of > .95. Total Harmonic Distortion (THD) of < 20%.		



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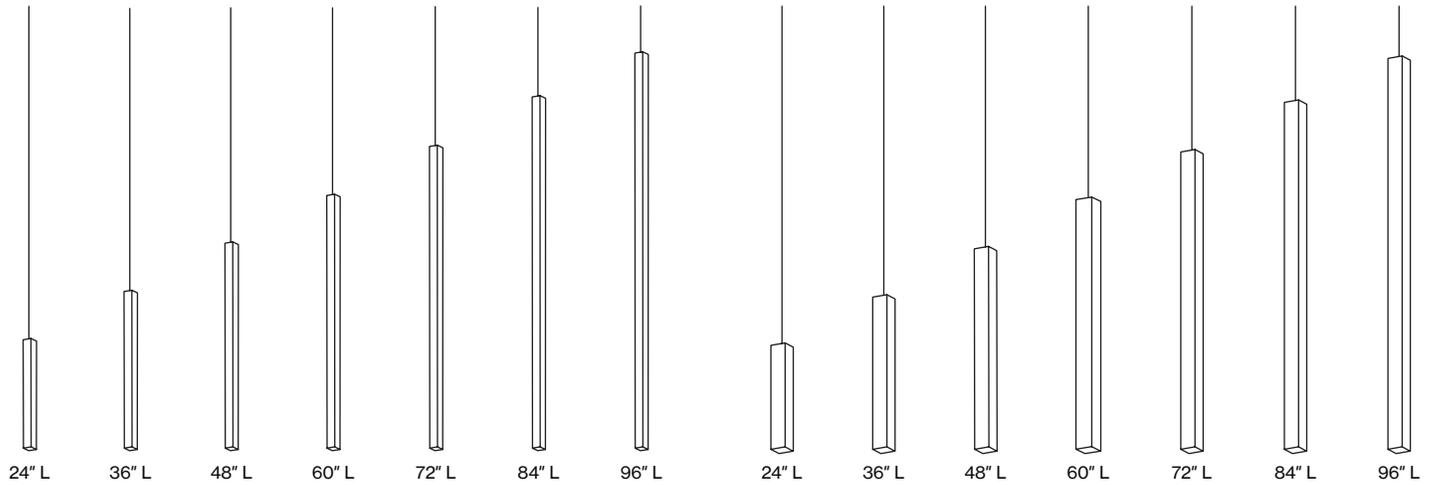
Fixture Options

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DIMENSIONS

2.25" SQ

4" SQ



MATERIAL

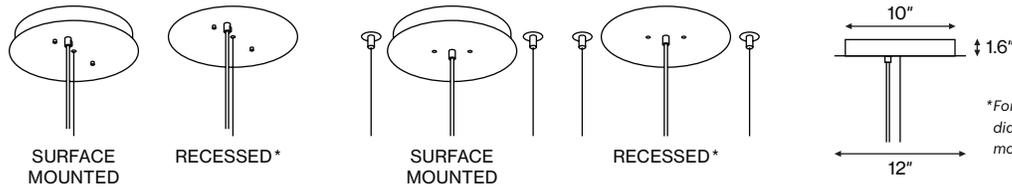


WHITE OPAL
CHROMA

CEILING CONNECTION

JUNCTION BOX FEED

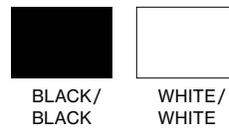
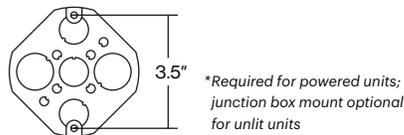
OFFSET JUNCTION BOX



*For recessed canopy, cut 11" dia hole and recess j-box or mounting structure by 1.5"

4" OCTAGONAL JUNCTION BOX* (BY OTHERS)

4" OCTAGONAL JUNCTION BOX* (BY OTHERS)

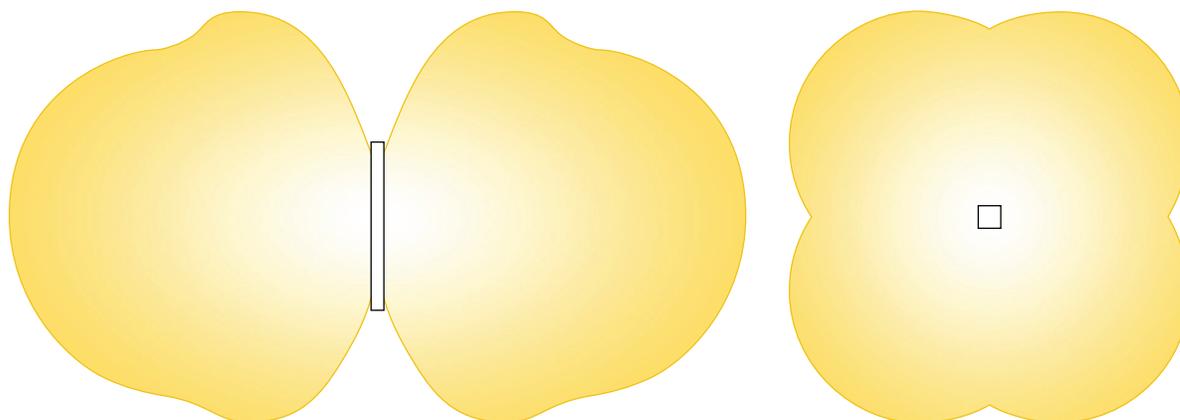


Casper Pendant Lighting Details

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LIGHT DISTRIBUTION

Consult factory or lightart.com for IES files, tested in accordance with IESNA LM79



SIDE VIEW

TOP VIEW

PERFORMANCE – 2" SQ PENDANT

Based on 3500K / 90CRI

NOMINAL LUMEN OUTPUT (LM/FT)	INPUT POWER (W/FT)	EFFICACY (LM/W)
250	2.38	118
350	3.33	118
450	4.29	118
550	5.25	118
650	6.12	120
750	7.03	120
850	8.03	120
950	8.98	120
1050	9.60	122

PERFORMANCE – 4" SQ PENDANT

Based on 3500K / 90CRI

NOMINAL LUMEN OUTPUT (LM/FT)	INPUT POWER (W/FT)	EFFICACY (LM/W)
250	2.38	118
350	3.33	120
450	4.30	120
550	5.25	120
650	6.11	122
750	7.02	122
850	8.02	122
950	8.97	122
1050	9.69	122

LIGHT DISTRIBUTION

Based on measurement data

COLOR TEMPERATURE / CRI	MULTIPLIER
2700K / 80	0.98
2700K / 90	0.93
3000K / 80	1.02
3000K / 90	0.97
3500K / 80	1.00
3500K / 90	1.00
4000K / 80	1.08
4000K / 90	1.03

OUTPUT MULTIPLIERS INSTRUCTIONS

Adjusted Value = $L_1 \times C_m$ where:

L_1 = (Lumen output at 3500K / 90 CRI) ×

C_m = (Color Temp. / CRI Multiplier)

Example:

850LM / 3000K / 80CRI

$(850) \times (1.02) = 867LM$



