



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.	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%.
LUMEN MAINTENANCE	Reported TM-21 Lifetimes L90(17k) = 52,600 hours L80(17k) > 102,000 hours L90(17k) > 102,000 hours	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.
DIFFUSION	Frosted optical diffuser produces even illumination.	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.
ELECTRICAL	Emergency battery output: 6 watts for 90 minutes. Maximum Mounting height: 10.5ft. Compatible with Signify Bodine sinusoidal output emergency lighting inverters. Signify Bodine inverters allow designated lighting fixtures to serve as code compliant emergency lighting sources during failure of normal AC power. For additional information see link: http://www.bodine.com/products/inverter.html	WARRANTY	5 year warranty on all standard components.
MOUNTING	Adjustable stainless steel aircraft cable, contact studio for lengths over 20'		



Casper Beam

Fixture Options

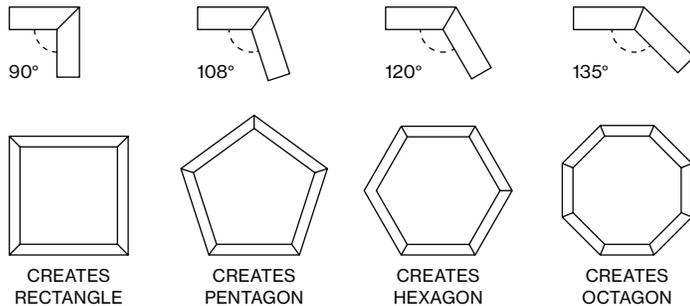
CASPER COLLECTION

DIMENSIONS

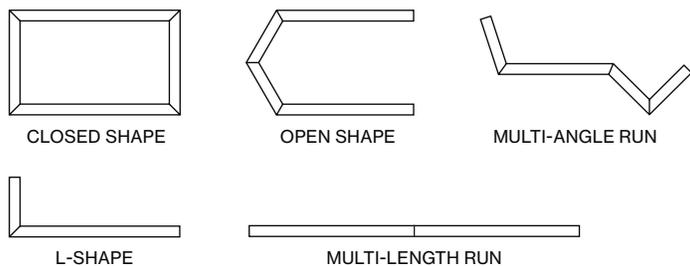
PROFILES & LENGTHS



JOINTS



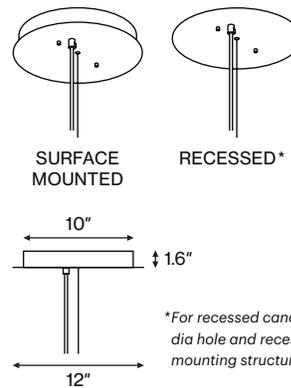
CUSTOM CONFIGURATIONS*



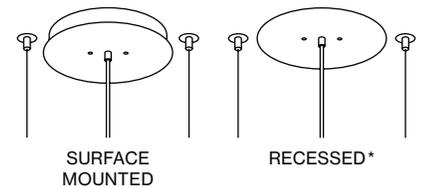
*Each joiner connector subtracts 3/16" (±0.015") from the overall length of the multi-length run

CEILING CONNECTION

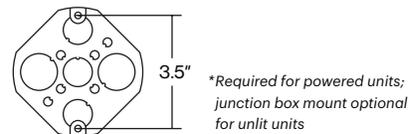
JUNCTION BOX FEED



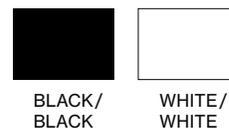
OFFSET JUNCTION BOX



4" OCTAGONAL JUNCTION BOX* (BY OTHERS)



CANOPY / DRESS PLATE FINISH OPTIONS

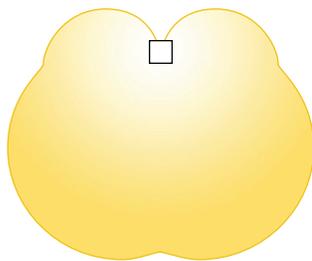


Casper Beam Lighting Details

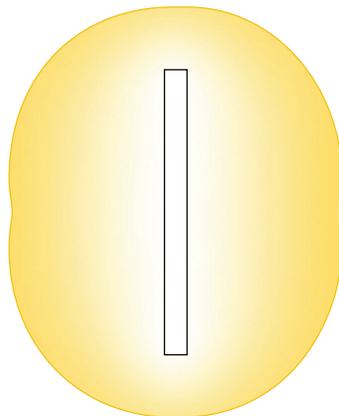
CASPER COLLECTION

LIGHT DISTRIBUTION OPTIONS

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



SIDE VIEW



TOP VIEW

PERFORMANCE – 2" SQ BEAM

Based on 3500K / 90CRI / Standard Distribution

NOMINAL LUMEN OUTPUT (LM/FT)	INPUT POWER (W/FT)	EFFICACY (LM/W)
250	2.45	111
350	3.43	111
450	4.42	111
550	5.41	111
650	6.38	106
750	7.32	106
850	8.37	106
950	9.37	106
1050	10.10	104

PERFORMANCE – 4" SQ BEAM

Based on 3500K / 90CRI / Standard Distribution

NOMINAL LUMEN OUTPUT (LM/FT)	INPUT POWER (W/FT)	EFFICACY (LM/W)
250	2.47	116
350	3.45	116
450	4.45	116
550	5.45	116
650	6.44	111
750	7.40	111
850	8.45	111
950	9.46	111
1050	10.25	108

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 = $L_1 \times C_m \times O_m$ where:

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

C_m = (Color Temp. / CRI Multiplier) ×

O_m = (Optic Multiplier)

Example:

850LM / 3000K / 80CRI / 2 sq Batwing Optic
 $(850) \times (1.02) \times (0.91) = 789\text{LM}$



Casper Beam

Part Number Specification

CASPER COLLECTION

SPECIFICATION CODE

Example: 2 QTY COL-CASPR-BEAM-24L-4SQ-PM-CRLNA-STD-830CK-450LM-P01-STD0-OS-WPC-WH

QTY. COL-CASPR-BEAM-------------

1 2 3 4 5 6 7 8 9 10 11 12

Complete form to order Casper fixture(s). For each number, make one selection and enter in the corresponding box above.

*Indicates modified choices; additional lead times, cost, and limited lumen outputs may apply.

1 LENGTH (Nominal)

- 24L 24" LENGTH
Not available below 350 LM/FT
- 36L 36" LENGTH
- 48L 48" LENGTH
- 60L 60" LENGTH
- 72L 72" LENGTH

- 84L 84" LENGTH
- 96L 96" LENGTH
- CRL* CUSTOM ROW LENGTH
Custom rows from 3' to 200' in 1' increments available
- CCSL* CUSTOM CONFIGURATION/SHAPE

2 SIZE (Nominal)

- 2SQ 2.25" SQUARE
- 4SQ 4" SQUARE

3 MOUNTING

- PM INDIVIDUAL FIXTURE
- CRW* CONTINUOUS ROW FIXTURE
- CCS* CUSTOM CONFIGURATION/SHAPE

4 CONTINUOUS ROW LENGTH

- CRLNA NOT APPLICABLE
Custom configurations and individual lengths cannot be joined in the field
- CUSRL* CUSTOM ROW LENGTH
Specify custom length in 1' increments from 3' to 200'

5 SUSPENSION

- STD 12" – 96"
- EXT* 12" – 240"

6 LED CRI / CCT

- 827CK 80 CRI / 2700K
- 830CK 80 CRI / 3000K
- 835CK 80 CRI / 3500K
- 840CK 80 CRI / 4000K
- 927CK 90 CRI / 2700K
- 930CK 90 CRI / 3000K
- 935CK 90 CRI / 3500K
- 940CK 90 CRI / 4000K
- TW TUNABLE WHITE
Driver selection limited to P01 and DALI
- RGB RGB

7 OUTPUT

- 250LM 250 LM/FT
- 350LM 350 LM/FT *TW min output*
- 450LM 450 LM/FT
- 550LM 550 LM/FT
- 650LM 650 LM/FT *Continuous run max standard output***
- 750LM 750 LM/FT *TW available up to 84L*
- 850LM 850 LM/FT *TW available up to 72L*
- 950LM 950 LM/FT *TW available up to 60L*
- 1050LM 1050 LM/FT *TW not available*
- RGBO RGB OUTPUT
- CU* CUSTOM OUTPUT
Specify value from 250 to 1050 lm/ft

8 DIMMING AND CONTROLS

- P01 0-10V 1% DIMMING
- LEC* HI-LUME 1% ECOSYSTEM LED DRIVER SOFT ON, FADE TO BLACK (LDE1 SERIES)
- EBM 0-10V 1% DIMMING INTEGRATED EM BATTERY OPTION
Max Lumen output limited—consult LightArt. Not available with Tunable White or RGB.
- DMX RGB CONTROL
- DALI DALI CONTROL

9 LIGHTING DISTRIBUTION

- STD0 STANDARD OPTIC

10 CANOPY MOUNTING 12" Dia Canopy

- JB JUNCTION BOX FEED/SUPPORT
- OS OFFSET JUNCTION BOX

11 CANOPY OPTIONS

- WPC WHITE
- BPC BLACK
- RWPC RECESSED WHITE
- RBPC RECESSED BLACK

12 POWER CORD

- WH WHITE
- BK BLACK

