Casper Beam Overview

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.

LUMEN MAINTENANCE
Reported TM-21 Lifetimes
L90(17k) = 52,600 hours
L80(17k) > 102,000 hours
L90(17k) > 102,000 hours

DIFFUSION
Frosted optical diffuser produces even illumination.

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

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%.

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.

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.

WARRANTY
5 year warranty on all standard components.

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LightArt

DIMENSIONS

PROFILES & LENGTHS

2.25" SQ   4" SQ

24" L

36" L

48" L

60" L

72" L

84" L

96" L

JOINTS

90°   108°   120°   135°

CREATES RECTANGLE   CREATES PENTAGON   CREATES HEXAGON   CREATES OCTAGON

CUSTOM CONFIGURATIONS*

CLOSED SHAPE   OPEN SHAPE   MULTI-ANGLE RUN
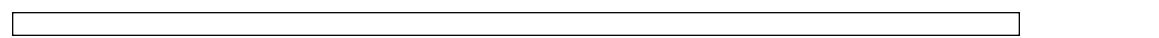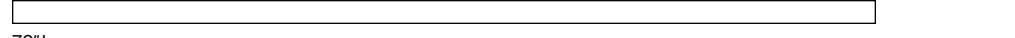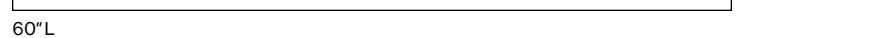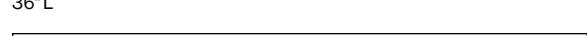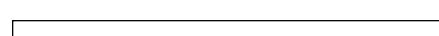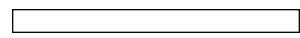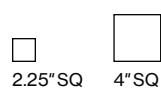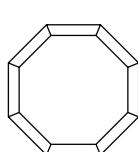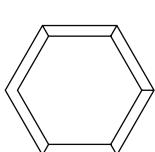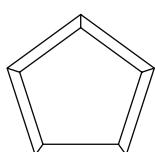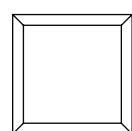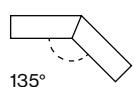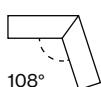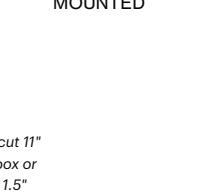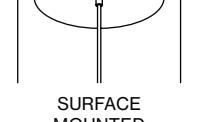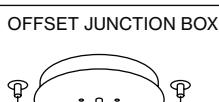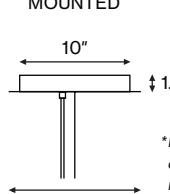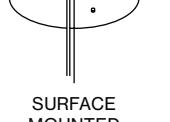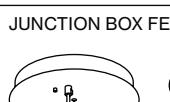
L-SHAPE   MULTI-LENGTH RUN
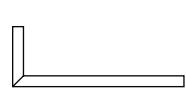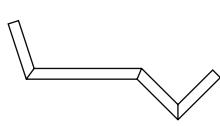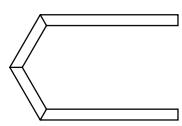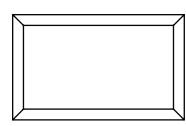
*Each joiner connector subtracts 3/16" (±0.015") from the overall length of the multi-length run

CEILING CONNECTION

JUNCTION BOX FEED   OFFSET JUNCTION BOX

SURFACE MOUNTED   RECESSED*   SURFACE MOUNTED   RECESSED*

10"   1.6"

12"

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

4" OCTAGONAL JUNCTION BOX* (BY OTHERS)

3.5"
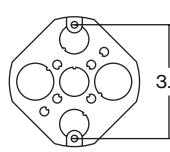
*Required for powered units; junction box mount optional for unlit units

CANOPY / DRESS PLATE FINISH OPTIONS

BLACK/ BLACK   WHITE/ WHITE

align   Red List Free Ingredients   TITLE 24   MADE IN USA WITH GLOBAL AND DOMESTIC PRODUCTS
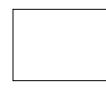
LIGHT DISTRIBUTION OPTIONS
Consult factory or lightart.com for IES files, tested in accordance with IESNA LM79
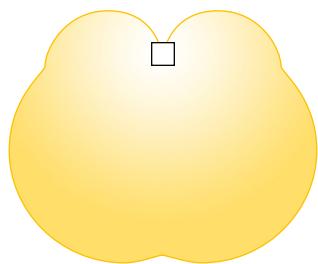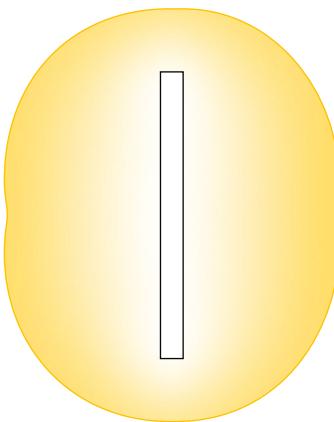
SIDE VIEW   TOP VIEW

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	097
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) × (1.02) × (0.91) = 789LM

Casper Beam   Part Number Specification

CASPER COLLECTION

SPECIFICATION CODE

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

☐ COL-CASPR-BEAM- ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐

QTY.   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 CONTINOUS 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'

_____ ft

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
☐ 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

_____ 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 ouput limited— consult LightArt. Not available with Tunable White or RGB.

☐ DMX   RGB CONTROL
☐ DALI   DALI CONTROL

⑨ LIGHTING DISTRIBUTION

☐ STDO   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

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LightArt

206.524.2223   LIGHTART.COM
4770 OHIO AVE S STE B, SEATTLE, WA 98134

CASPER BEAM
02/09/26 UPDATE   4/4