



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' | | |



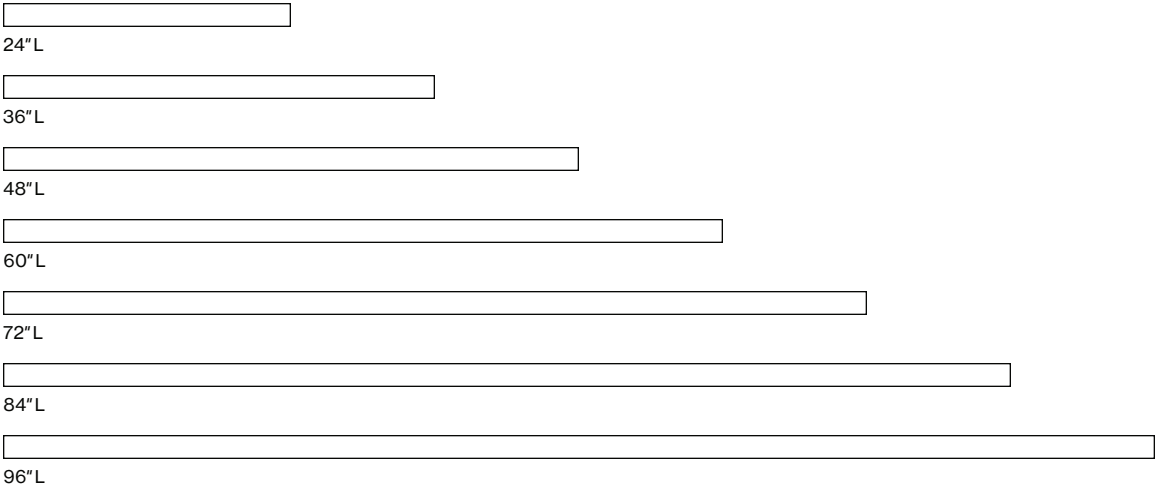
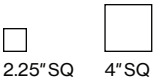
Casper Beam

Fixture Options

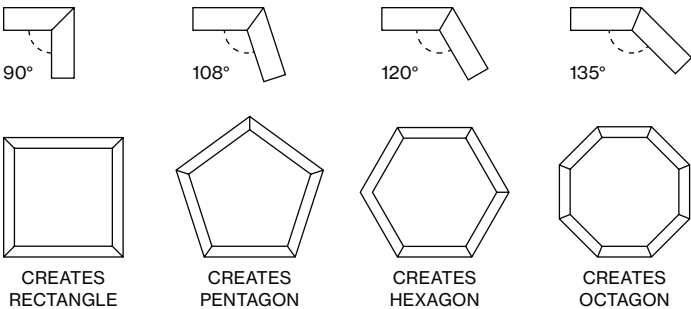
CASPER COLLECTION

DIMENSIONS

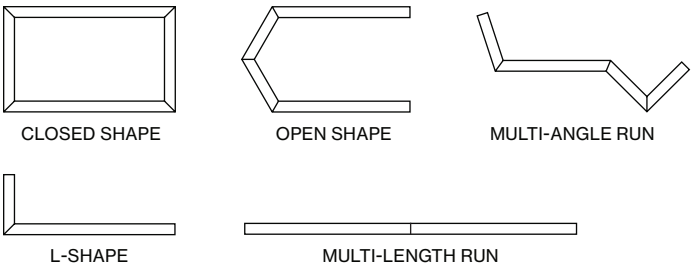
PROFILES & LENGTHS



JOINTS

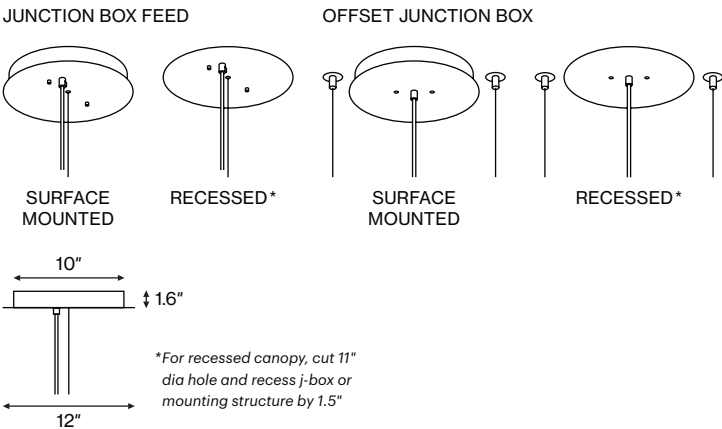


CUSTOM CONFIGURATIONS*

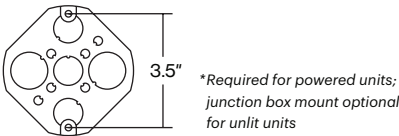


*Each joiner connector subtracts 3/16" (±0.015") from the overall length of the multi-length run

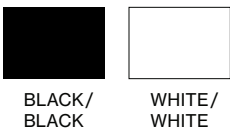
CEILING CONNECTION



4" OCTAGONAL JUNCTION BOX* (BY OTHERS)

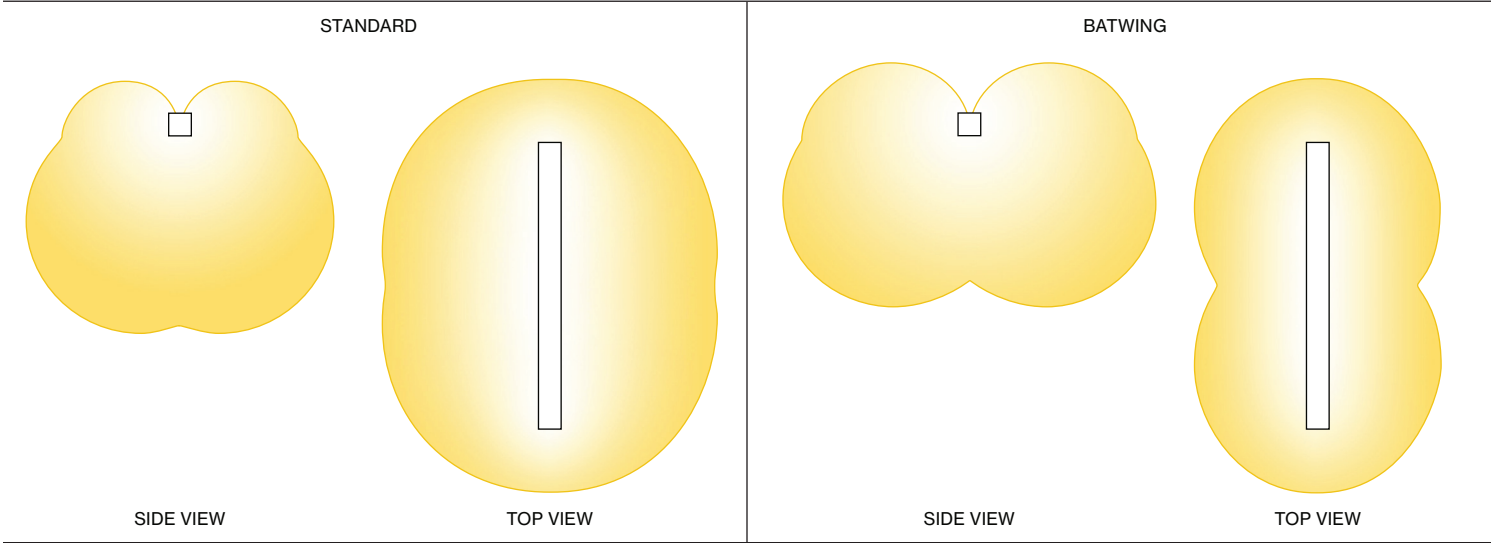


CANOPY / DRESS PLATE FINISH OPTIONS



LIGHT DISTRIBUTION OPTIONS

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



PERFORMANCE – 2" SQ BEAM

Based on 3500K / 90CRI / Standard Distribution

| NOMINAL LUMEN OUTPUT (LM/FT) | INPUT POWER (W/FT) | EFFICACY (LM/W) |
|------------------------------|--------------------|-----------------|
| 250 | 9.79 | 111 |
| 350 | 13.71 | 111 |
| 450 | 17.67 | 111 |
| 550 | 21.62 | 111 |
| 650 | 25.5 | 106 |
| 750 | 29.29 | 106 |
| 850 | 33.47 | 106 |
| 950 | 37.47 | 106 |
| 1050 | 40.4 | 104 |

PERFORMANCE – 4" SQ BEAM

Based on 3500K / 90CRI / Standard Distribution

| NOMINAL LUMEN OUTPUT (LM/FT) | INPUT POWER (W/FT) | EFFICACY (LM/W) |
|------------------------------|--------------------|-----------------|
| 250 | 9.86 | 116 |
| 350 | 13.81 | 116 |
| 450 | 17.8 | 116 |
| 550 | 21.78 | 116 |
| 650 | 25.76 | 111 |
| 750 | 29.59 | 111 |
| 850 | 33.81 | 111 |
| 950 | 37.87 | 111 |
| 1050 | 40.98 | 108 |

BATWING OPTIC

Input Power (W) remains the same with either optic option

| BEAM SIZE | EFFICACY MULTIPLIER |
|-----------|---------------------|
| 2 SQ | 0.91 |
| 4 SQ | 0.88 |

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) × (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-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 and/or costs 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'

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 TW available in 36L, 48L, 60L, 72L, 84L, 96L

☐ 350LM

350 LM/FT TW available in all lengths

☐ 450LM

450 LM/FT TW available in all lengths

☐ 550LM

550 LM/FT TW available in all lengths

☐ 650LM

650 LM/FT TW available in all lengths

☐ 750LM

750 LM/FT TW available in 24L, 36L, 48L, 60L, 72L, 84L

☐ 850LM

850 LM/FT TW available in 24L, 36L, 48L, 60L, 72L

☐ 950LM

950 LM/FT TW available in 24L, 36L, 48L, 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 output limited—
consult LightArt. Not available
with Tunable White, RGB.

☐ DMX

RGB CONTROL

☐ DALI

DALI CONTROL

9

LIGHTING DISTRIBUTION

☐ STD0

STANDARD OPTIC

☐ BW *

BATWING 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

*Indicates modified choices; additional lead times and/or costs may apply.

align

Red List Free
Ingredients

MADE IN USA

TITLE
24

LightArt

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

CASPER BEAM
02/28/24 UPDATE

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