SAYSPEC
BY SAYLITE

HOU1C3

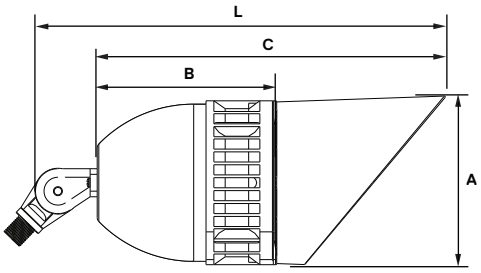
Houston C³ LED Bullet Flood Light

12V AVAILABLE

BUY AMERICAN ACT COMPLIANT

Shown with "B" 100° Wide Optic Installed.

Shown with "D" 30° Narrow Optic Installed.



Dimensions	
Length (B)	6¼″ (160mm)
Length with Visor (C)	12¼″ (310mm)
Length with Visor & Mount (L)	14⅜″ (365mm)
Diameter (A)	5⅞″ (150mm)

The SaySpec HOU1 flood light luminaire is available with a knuckle mounting feature and is designed with three optical outputs to replace HID lighting systems up to 100w MH or HPS. Typical lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting can be accomplished using ground attachment accessories and up to heights of 12 feet based on light level and uniformity requirements.

SPECIFICATIONS AND FEATURES:

HOUSING:
Die-Cast Gasketed Aluminum Housing and Front Frame with Integral Heat-Dissipating Fins for Thermal Management. Nickel-Plated Stainless Steel Hardware.

LISTING & RATINGS:
CSA: Listed for Wet Locations, ANSI/UL 1598, 8750
IP66 Sealed LED Compartment.

FINISH:
Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

LENS:
Tempered Clear Flat Glass Lens.

MOUNTING OPTIONS:
Adjustable Knuckle with ½" NPS Threads.

COB LED:
Cool Copper COB; 89,000 Hours of L70 LED Life (25˚C)

WATTAGE:
20w COB: 20w, System: 21w; (100w HID Equivalent)

DRIVER:
Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.
12V: Electronic Driver, 12-17VAC Input, 50/60Hz, Non-Dimmable

WARRANTY:
5-Year Warranty for -40°C to +50°C Environment.

See Page 2 for Projected Lumen Maintenance Table.

Order Information Example: HOU1BC31X20U41KZKNSP

HOU1		1X20		41K		KN	
Model	**Beam**	**Wattage**	**Driver**	**CCT**	**Color**	**Mounting**	**Options**
HOU1=Houston C³ LED Bullet	**AC3**=NEMA 6H x 6V **BC3**=NEMA 6H x 6V **DC3**=NEMA 4H x 4V *See Page 2 for Distribution Information.	**1X20**=20w	**U**=120-277V **V**=12V	**41K**=4100K	**Z**=Bronze **C**=Custom (Consult Factory)	**KN**=½″ NPS Knuckle	**SF**=Single Fuse* (120-277V Only) **DF**=Double Fuse* (120-277V Only) **SP**=Surge Protection* *Not Available on 12V Model.

Project Information:

PROJECT NAME: _____ FIXTURE TYPE: _____

COMPLETE CATALOG#: _____ DATE: _____

COMMENTS: _____

Certification & Listings:

IP66

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Specifications subject to change without notice. Rev. 053121

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Houston C³ LED Bullet Flood Light

ACCESSORIES & REPLACEMENT PARTS:

FLPTFZ

FLSTK

NA04

FB1VZ*

NT150BK

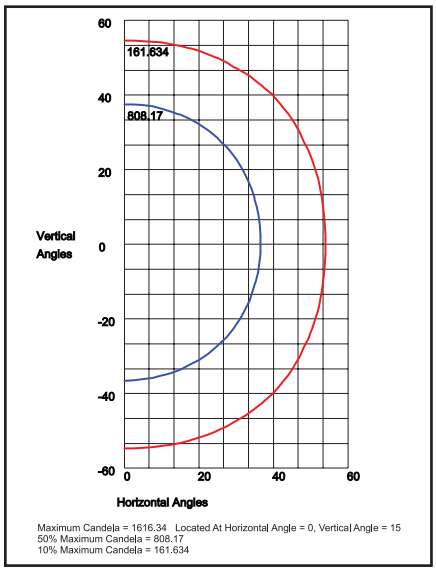
NT300SS, NT300SSM

*Shown Mounted

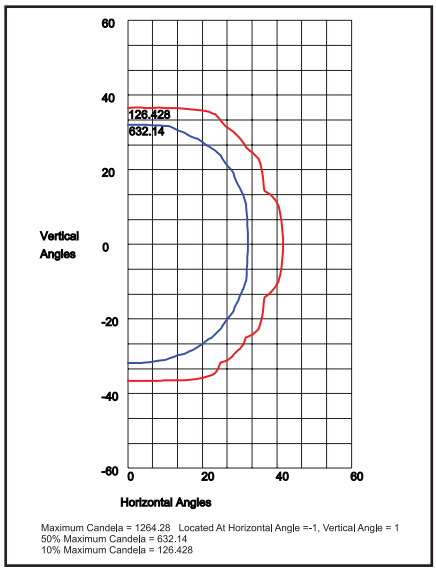
Mounting Accessories (Order Separately, Field Installed)	
FLPTFZ	Die-cast Post Top Fitter for 2⅜″ to 3½″ Poles, Bronze Powdercoat Finish, Three (3) ½″ Coin Plugs.
FLSTK	Heavy Duty Ground Stake, Built-in Wiring Compartment with ½″ NPS Threaded Fitting, Black Plastic. For Line-Voltage Applications.
NA04	Plastic Ground Stake with ½″ NPT Threads, 11″ H x 3″ Diameter. For Low-Voltage Applications.

Accessories (Order Separately, Field Installed)	
FB1VZ	Die-Cast Rotatable Visor, Bronze Powdercoat Finish.
NT150BK	150w, 120V Black Powdercoat Steel Landscape Transformer, 12V, with Timer and Photocell
NT300SS	150w, 120V Black Powdercoat Steel Landscape Transformer, 12V, with Timer and Photocell
NT300SSM	300w, 120V Stainless Steel Landscape Transformer, Multi-Tap 12/14/17V, with Timer and Photocell

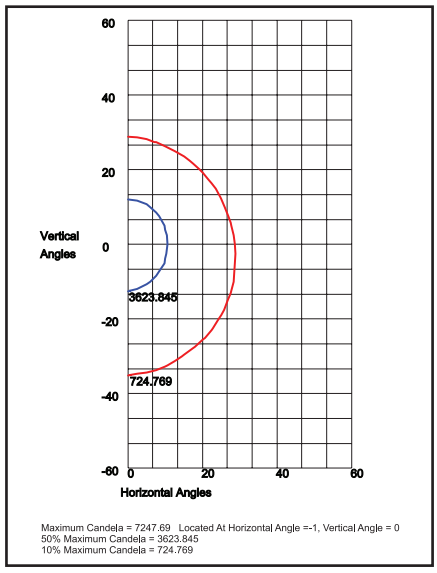
PHOTOMETRIC DATA



HOU1AC31X20U41K
70°H x 70°V Beam, NEMA 6H x 6V



HOU1BC31X20U41K
100°H x 100°V Beam, NEMA 6H x 6V



HOU1DC31X20U41K
25°H x 25°V Beam, NEMA 4H x 4V

PHOTOMETRIC PERFORMANCE

LED COB Watts	Drive Current (mA)	Input Watts	Optic		Beam	4100 CCT 80 CRI Lumens	LPW
COB LED 21w	525	21	A	70°, Medium Optic	70°H x 70°V, NEMA 6H x 6V	2,372	113
			B	100°, Wide Optic	100°H x 100°V, NEMA 6H x 6V	2,336	111
			D	30°, Narrow Optic	25°H x 25°V, NEMA 4H x 4V	2,326	111

PROJECTED LUMEN MAINTENANCE

Data shown for 4100 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	21	1.00	0.92	0.83	0.66	89,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 50°C / 122°F	21	1.00	0.90	0.81	0.62	78,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
L80 Lumen Maintenance @ 40°C / 104°F	21	1.00	0.93	0.86	0.72	72,000

NOTES:
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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