STANPRO

Project: _____ Type: _____

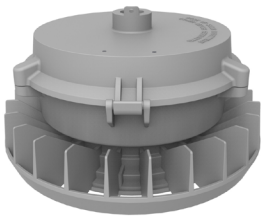
Drawn by: _____ Catalogue #: _____ Date: _____

CDA-L

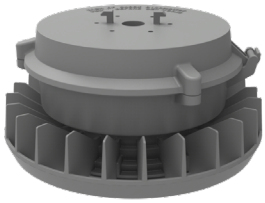
HAZARDOUS LOCATION HIGH BAY

Class I, Division 2, Groups A, B, C, D
Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups F, G
Non recessed marine luminaires, outside type (salt water)

The CDA-L Hazardous Location LED high bay is designed for installations where moisture dirt dust corrosion and vibration may be present or in NEMA 3 and 4X locations where wind water snow or high ambient temperatures can be expected. The CDA-L is also NEC/CEC certified to be used in hazardous environments where there is presence of flammable vapours or gases or combustible dusts.



Pendant adapter



Ceiling / Wall stanchion adapter

FEATURES AND SPECIFICATIONS

- **Construction**

  Housing

  Rugged and resilient housing made of a copper-free aluminum corrosion resistant casting with separated driver compartment for improved thermal management. All exposed fasteners are quality stainless steel as well as high temperature quality silicone gasketing. Available in a grey casting color and a superior electrostatic powder coating.

  Temperature ratings

  Based on the surface temperature of the fixture;

  – Class I Division 2 is rated T4A, except for all the configurations that are 40 W and 347V (will not exceed 120°C)

  – Class II Division 1 Division 2 & Class III are rated T5 (will not exceed 100°C)

  Ambient operating temperature

  -40°C to +55°C

  All the configurations 60 W and 347 V have an ambient operating temperature of -40°C to +52°C

  Ambient operating humidity

  5% ~ 95% RH

  Optics

  Comes standard with a thermal shock and impact resistant tempered glass lens. Offered in a clear finish with a 110° beam angles.

- **Electrical**

  Available in either S1 (45 W) or S2 (65 W) configurations with a lumen per watt ratio of 140 to 171 lm/W. Driver input voltage are 120-277 V or 347 V 50/60Hz are non-dimmable and have 4 kV integrated transient surge protection with a power factor >0.95. Durable high powered LUXEON LEDs with solder-less board connections for shock and vibration resistance. The CDA-L is offered in either 4 000 or 5 000 K with a color rendering index (CRI) >70.

- **NEC/CEC Standards**

  NEC500/CEC Section 18: Existing plants

  Hazloc C
  - Class I, Division 2, Groups A, B, C, D
  - Class II, Division 1, Groups E, F, G
  - Class II, Division 2, Groups F, G

  NEC505/CEC Section 18 Zones: New plants

  Hazloc C
  - Class I, Zone 2, Group IIC
  - Zone 21

- **Compliances**

  – Meets requirements of ICES-005 issue 4 for class A products
  – 5G vibration resistant in compliance with IEC60598-1 standard, CL-4.20
  – IK08
  – UL Standards
  – UL1598A
  – UL1598
  – UL844
  – UL8750
  – CSA Standards
  – CSA C22.2 No.250.0 250.13
  – CSA C22.2 No.137

OVERVIEW

Light source	LED
Watts (W)	45 - 65 (120-277 V) 40 - 60 (347 V)
Lumen output (lm)	6 750 - 9 750
Efficacy (lm/W)	140 - 171
Color temperature (K)	4 000, 5 000
CRI	>70
Weight (lbs)	9.26

5 yrs warranty

quick ship

LED fixture

IP 66

ICES 005

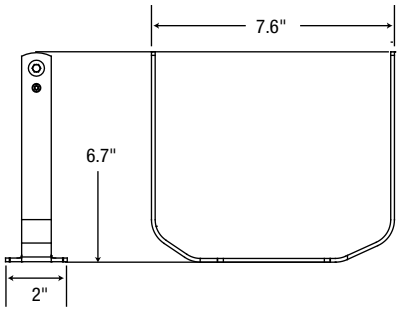
IK08

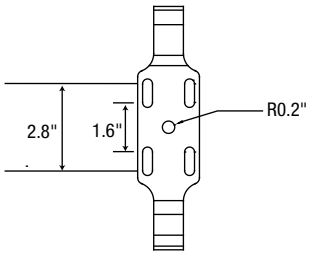
CERTIFIED

MARINE UL LISTED

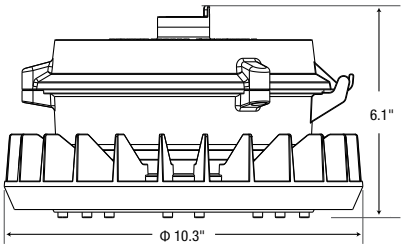
2233 rue de l'Aviation, Dorval, QC H9P 2X6
514.739.9984, 1.866.280.2332 • 1.866.265.8801 • www.standardpro.com
STANPRO

DIMENSIONS

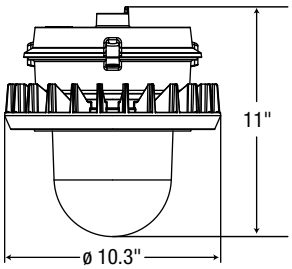




WITH FLAT LENS GLASS



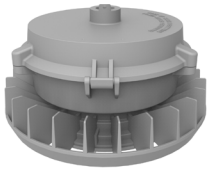
WITH DROP LENS



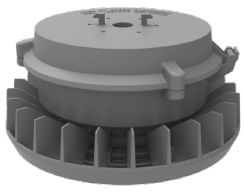
Part number	Net weight (lbs)	Dimensions (LxWxH)
CDA-LS1	9.26	10.2 x 5.9''
CDA-LS2		

MOUNTINGS

PENDANT (standard)
MOUNTING ADAPTER "P"

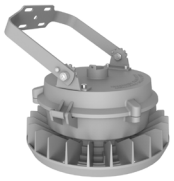


CEILING/WALL STANCHION (optional adapter)
MOUNTING ADAPTER "J"



ACCESSORIES REQUIRED FOR OPTIONAL MOUNTING

CEILING/ WALL MOUNT
BKT761-HB



CEILING MOUNT
JB018

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.
All products are subject to change or may be discontinued any time without notice.

2233 rue de l'Aviation, Dorval, QC H9P 2X6
514.739.9984, 1.866.280.2332 • 1.866.265.8801 • www.standardpro.com

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE [1]

Part number	Watts (W)	Lens type	Color temp. (K)[2]	Lumen output (lm)[3]	Efficacy (lm/W)	CRI	Life L70 (hrs)[4]	Tested hours LM-80 (hrs)[4]	LED current (mA)	Power factor	THD (%)	B.U.G. rating	Beam angle (°)	Case qty (master)
120-277 V - Pendant														
CDA-LS2-W-C/40K-TP	65	Clear	4 000	9 750	144	70	54 000	9 000	43	0.99	11	B4-U0-G1	110	1
CDA-LS2-W-C/40K-DP	65	Diffuse	4 000	7 963	123	70	54 000	9 000	43	0.99	11	B4-U0-G1	110	1
CDA-LS2-W-C/50K-TP	65	Clear	5 000	9 750	150	70	54 000	9 000	43	0.99	11	B4-U0-G1	110	1
120-277 V - Ceiling / Wall stanchion														
CDA-LS1-W-C/40K-TJ	45	Clear	4 000	6 750	140	70	54 000	9 000	42	1.00	13	B4-U0-G1	110	1
CDA-LS2-W-C/50K-TJ	65	Clear	5 000	9 750	150	70	54 000	9 000	43	0.99	11	B4-U0-G1	110	1
347 V - Pendant														
CDA-LS1-H-C/40K-TP	40	Clear	4 000	6 750	157	70	54 000	9 000	37	0.97	13	B4-U0-G1	110	1
CDA-LS1-H-C/50K-TP	40	Clear	5 000	6 750	156	70	54 000	9 000	37	0.97	13	B4-U0-G1	110	1
CDA-LS2-H-C/50K-TP	60	Clear	5 000	9 750	171	70	54 000	9 000	41	0.98	11	B4-U0-G1	110	1
347 V - Ceiling / Wall stanchion														
CDA-LS1-H-C/40K-TJ	40	Clear	4 000	6 750	157	70	54 000	9 000	37	0.97	13	B4-U0-G1	110	1
CDA-LS1-H-C/50K-TJ	40	Clear	5 000	6 750	156	70	54 000	9 000	37	0.97	13	B4-U0-G1	110	1
CDA-LS2-H-C/50K-TJ	60	Clear	5 000	9 750	171	70	54 000	9 000	41	0.98	11	B4-U0-G1	110	1

[1] **QUICK SHIP:** Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.
[2] Typical color temperature range: +/- 5 %.
[3] Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.
[4] Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

ACCESSORIES (order separately) to be used with “P” mounting adapter

Part number	Type
BKT761-HB	U-Bracket (SUS 304)

BKT761-HB
U-Bracket (SUS 304)

ACCESSORIES (order separately) to be used with “J” mounting adapter

Part number	Type
JB018	Junction box NPT 3/4"

JB018
Junction box NPT 3/4"

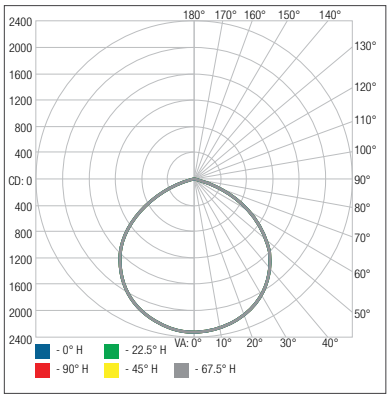
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.
All products are subject to change or may be discontinued any time without notice.

2233 rue de l’Aviation, Dorval, QC H9P 2X6
514.739.9984, 1.866.280.2332 • 1.866.265.8801 • www.standardpro.com

PHOTOMETRIC DATA[1]

CDA-LS1-W-C/40K-T • 6 289.0 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 829.0	29.1%
0-40	3 018.5	48%
0-60	5 338.3	84.9%
60-90	950.6	15.1%
0-90	6 289.0	100%

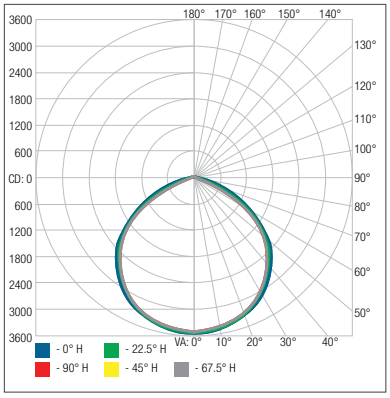
Illuminance at a distance

	Center beam fc	Beam width	
1.7'	804 fc	5.1'	5.0'
3.3'	213 fc	9.9'	9.6'
5.0'	93.0 fc	14.9'	14.6'
6.7'	51.8 fc	20.0'	19.5'
8.3'	33.7 fc	24.8'	24.2'
10.0'	23.2 fc	29.9'	29.2'

Vert. spread: 112.4°
Horiz. spread: 111.1°

CDA-LS2-W-C/40K-T • 9 337.9 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 777.8	29.7%
0-40	4 572.2	49%
0-60	8 007.4	85.8%
60-90	1 330.4	14.2%
0-90	9 337.9	100%

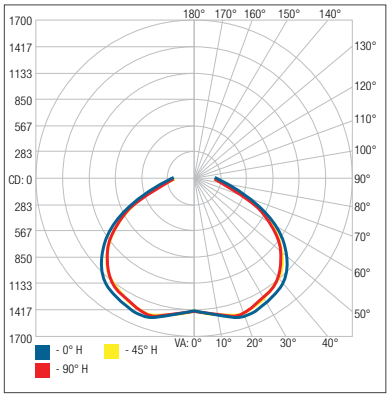
Illuminance at a distance

	Center beam fc	Beam width	
1.7'	1 230 fc	5.1'	4.7'
3.3'	326 fc	9.9'	9.1'
5.0'	142 fc	15.1'	13.8'
6.7'	79.2 fc	20.2'	18.5'
8.3'	51.6 fc	25.0'	22.9'
10.0'	35.5 fc	30.1'	27.6'

Vert. spread: 112.8°
Horiz. spread: 108.2°

CDA-LS1-W-C/40K-L • 5 962.9 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 294.9	21.7%
0-40	2 236.8	37.5%
0-60	4 340.1	72.8%
60-90	1 622.8	27.2%
0-90	5 962.9	100%

Illuminance at a distance

	Center beam fc	Beam width	
1.7'	4.98 fc	67.0'	73.8
3.3'	1.24 fc	134.1'	147.6
5.0'	0.55 fc	201.1'	221.5
6.7'	0.31 fc	268.2'	295.3
8.3'	0.20 fc	335.2'	369.1
10.0'	0.14 fc	402.3'	442.9

Vert. spread: 126.2°
Horiz. spread: 130.5°

[1] Complete IES files available on our website.

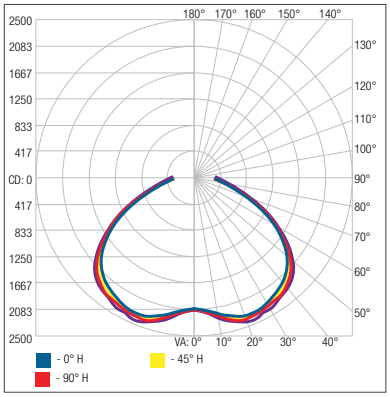
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.
All products are subject to change or may be discontinued any time without notice.

2233 rue de l'Aviation, Dorval, QC H9P 2X6
514.739.9984, 1.866.280.2332 • 1.866.265.8801 • www.standardpro.com

PHOTOMETRIC DATA[1] (cont'd)

CDA-LS2-W-C/40K-L • 8 934.6 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 940.3	21.7%
0-40	3 359.0	37.6%
0-60	6 502.7	72.8%
60-90	2 431.9	27.2%
0-90	8 934.6	100%

Illuminance at a distance

	Center beam fc	Beam width	
1.7'	7.21 fc	67.6'	67.8'
3.3'	1.80 fc	135.3'	135.6'
5.0'	0.80 fc	202.9'	203.4'
6.7'	0.45 fc	270.6'	271.2'
8.3'	0.29 fc	338.2'	339.0'
10.0'	0.20 fc	405.9'	406.8'

Vert. spread: 126.6°
Horiz. spread: 126.7°

[1] Complete IES files available on our website.

2233 rue de l'Aviation, Dorval, QC H9P 2X6
514.739.9984, 1.866.280.2332 • 1.866.265.8801 • www.standardpro.com