STANPRO

Project: _____ Type: _____

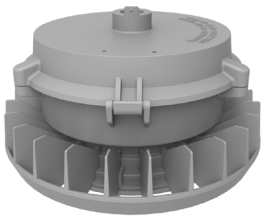
Drawn by: _____ Catalogue #: _____ Date: _____

CDA-L

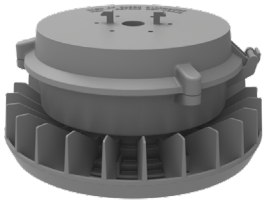
HAZARDOUS LOCATION HIGH BAY

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 + 45°C

  Ambient operating humidity

  5% ~ 95% RH

  Optics

  Comes standard with a thermal shock and impact resistant tempered glass lens and is available in a flat or a drop lens. Offered in a clear finish with a 110° beam angle and a diffuse finish is also available in option. The drop lens have a 130" beam angle.

- **Electrical**

  Available in either S1 (45 W) or S2 (65 W) configurations with a lumen per watt ratio of 118 lm/W to 171 lm/W. Driver input voltage are 120-277 VAC 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 3 000 K, 4 000 K or 5 000 K with a color rendering index (CRI) > 70.

- **Compliances**

  – Meets requirements of ICES-005 issue 4 for class A products
  – 5G vibration resistant in compliance with IEC60598-1 standard, CL-4.20
  – IK07 (drop lens)
  – IK08 (flat lens)
  – NEC/CEC Standards
  – Class I, Division 2, Groups A, B, C, D
  – Class II, Division 1, Groups E, F, G
  – Class II, Division 2, Groups F, G
  – 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)	4 790 - 10 654
Efficiency (lm/W)	118 - 171
Color temperature (K)	3 000, 4 000, 5 000
CRI	>70
Weight (lbs)	9.26

5 yrs warranty

quick ship

LED fixture

IP 66

ICES 005

IK07

IK08

DLC QPL LISTED

c UL LISTED

MARINE UL LISTED

Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

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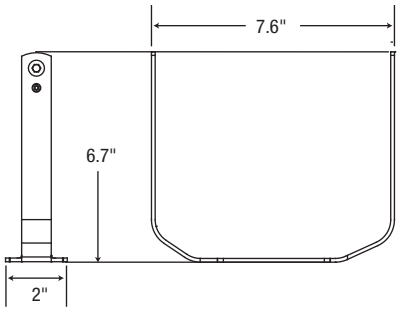
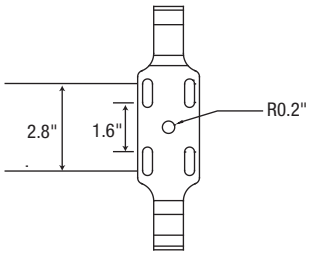
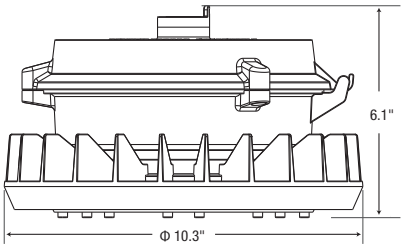
DIMENSIONS



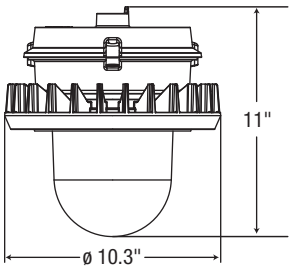


WITH FLAT LENS GLASS



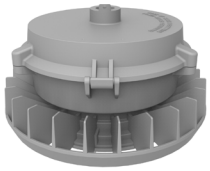
Part number	Net weight (lbs)	Dimensions (LxWxH)
CDA-LS1	9.26	10.2 x 5.9''
CDA-LS2		

WITH DROP LENS



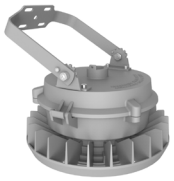
MOUNTINGS

PENDANT (standard)
MOUNTING ADAPTER "P"

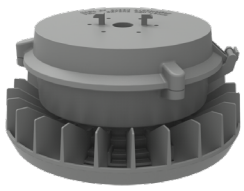


ACCESSORIES REQUIRED FOR OPTIONAL MOUNTING

CEILING/ WALL MOUNT
BKT761-HB

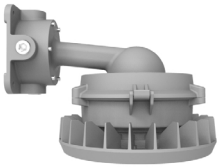


CEILING/WALL STANCHION (optional adapter)
MOUNTING ADAPTER "J"

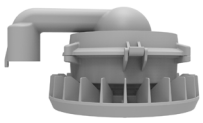


CEILING MOUNT
JB018

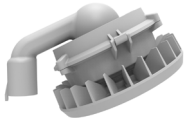
WALL MOUNT
BKT771-25 or
BKT771-90



POLE MOUNT
BKT773-P166 or
BKT773-P1900



POLE MOUNT
BKT772-P166 or
BKT772-P1900



Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.
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QUICK SHIP AND TECHNICAL SPECIFICATION TABLE [1]

Part number	DLC unique ID	Watts (W)	Color temp. (K)[2]	Lumen output (lm)[3]	Efficiency (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-LS1-W-C/40K-TP	PL5EKC4WNJUT	45	4 000	6 750	140	70	54 000	9 000	42	1.00	13	B4-U0-G1	110	1
CDA-LS2-W-C/40K-TP	PLMFRG32T7AB	65	4 000	9 750	144	70	54 000	9 000	43	0.99	11	B4-U0-G1	110	1
CDA-LS1-W-C/50K-TP	PLOGIV5NHX51	45	5 000	6 750	150	70	54 000	9 000	42	1.00	13	B4-U0-G1	110	1
CDA-LS2-W-C/50K-TP	PLQAXAKUYXCF	65	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	PL5EKC4WNJUT	45	4 000	6 750	140	70	54 000	9 000	42	1.00	13	B4-U0-G1	110	1
CDA-LS2-W-C/40K-TJ	PLMFRG32T7AB	65	4 000	9 750	144	70	54 000	9 000	43	0.99	11	B4-U0-G1	110	1
CDA-LS1-W-C/50K-TJ	-	45	5 000	6 750	150	70	54 000	9 000	42	1.00	13	B4-U0-G1	110	1
CDA-LS2-W-C/50K-TJ	-	65	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	-	45	4 000	6 750	157	70	54 000	9 000	37	0.97	13	B4-U0-G1	110	1
CDA-LS2-H-C/40K-TP	-	65	4 000	9 750	169	70	54 000	9 000	41	0.98	11	B4-U0-G1	110	1
CDA-LS1-H-C/50K-TP	-	45	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	-	65	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	-	45	4 000	6 750	157	70	54 000	9 000	37	0.97	13	B4-U0-G1	110	1
CDA-LS2-H-C/40K-TJ	-	45	4 000	9 750	169	70	54 000	9 000	41	0.98	11	B4-U0-G1	110	1
CDA-LS1-H-C/50K-TJ	-	45	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	-	65	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.

ORDERING GUIDE

CDA — L — — — C / — —

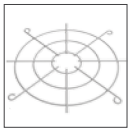
Series	Lamp type	Lumen package	Volt (V)	Hazloc	Color temp. (K)	Lens option	Mounting adapter
CDA	L - LED	S1 - Refer to S2 - technical specification table for details	W - 120-277 H - 347	C - Class I Division 2, Class II Division 1, Class II Division 2, Class III	30K - 3 000 40K - 4 000 50K - 5 000	D - Diffuse tempered glass T - Transparent tempered glass L - Drop lens tempered glass	P - NPT 3/4" pendant J[1] - Ceiling/Wall stanchion

[1] See section below titled "Accessories for use with J mounting adapter" to choose your installation option

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

Part number	Type
BKT761-HB	U-Bracket (SUS 304)
WGD070	Stainless steel wire guard
WGD071	Stainless steel wire guard for drop lens
HAR1056	Stainless steel safety cable kit

BKT761-HB
U-Bracket (SUS 304)



WGD070
Stainless steel wire guard

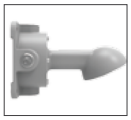
WGD071
Stainless steel wire guard for drop lens

HAR1056
Stainless steel safety cable kit

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

Part number	Type
JB018	Junction box NPT 3/4"
BKT771-25	Wall mount-25°
BKT771-90	Wall mount-90°
BKT772-P166	Stanchion-25° (NPT 1.25")
BKT772-P1900	Stanchion-25° (NPT 1.50")
BKT773-P166	Stanchion-90° (NPT 1.25")
BKT773-P1900	Stanchion-90° (NPT 1.50")
WGD070	Stainless steel wire guard
WGD071	Stainless steel wire guard for drop lens
HAR1056	Stainless steel safety cable kit

JB018
Junction box NPT 3/4"

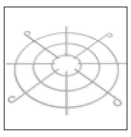


BKT771-25
Wall mount 25°

BKT771-90
Wall mount 90°

BKT772-P166 or BKT772-P1900
Stanchion-25°

BKT773-P166 or BKT773-P1900
Stanchion-90°



WGD070
Stainless steel wire guard

WGD071
Stainless steel wire guard for drop lens

HAR1056
Stainless steel safety cable kit

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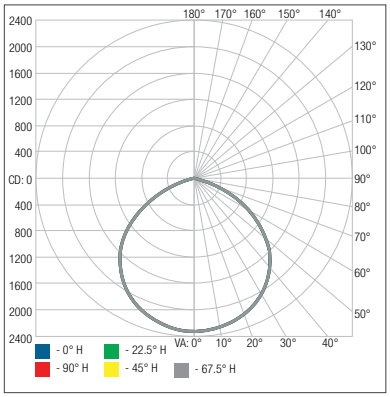
TECHNICAL SPECIFICATION TABLE

Lumen package	Volts (VAC)	Lens type	LED current (mA)	# of LEDs	Watts (W)	CRI	Lumens output (lm)	Efficiency (lm/w)	Life L70 (hrs)	Tested hours LM80 (hrs)	Power factor	THD (%)	B.U.G. rating
3 000 K													
S1	120-277	Transparent	42	40	45	70	6 483	140	54 000	9 000	1.00	13	B4-U0-G1
	347		37	40	40	70	5 752	144	54 000	9 000	0.97	13	B4-U0-G1
S2	120-277		43	60	65	70	9 620	148	54 000	9 000	1.00	11	B4-U0-G1
	347		41	60	60	70	9 151	155	54 000	9 000	0.98	11	B4-U0-G1
S1	120-277	Diffuse	42	40	45	70	5 447	121	54 000	9 000	1.00	13	B4-U0-G1
	347		37	40	40	70	4 943	132	54 000	9 000	0.97	13	B4-U0-G1
S2	120-277		43	60	65	70	8 062	124	54 000	9 000	0.99	11	B4-U0-G1
	347		41	60	60	70	7 795	132	54 000	9 000	0.98	11	B4-U0-G1
S1	120-277	Drop Lens	42	40	45	70	5 520	129	54 000	9 000	1.00	13	B4-U0-G1
	347		37	40	40	70	4 790	120	54 000	9 000	0.97	13	B4-U0-G1
S2	120-277		43	60	65	70	8 193	125	54 000	9 000	0.99	11	B4-U0-G1
	347		41	60	60	70	7 554	127	54 000	9 000	0.98	11	B4-U0-G1
4 000 K													
S1	120-277	Diffuse	42	40	45	70	5 295	118	54 000	9 000	1.00	13	B4-U0-G1
	347		37	40	40	70	5 353	135	54 000	9 000	0.97	13	B4-U0-G1
S2	120-277		43	60	65	70	7 963	123	54 000	9 000	0.99	11	B4-U0-G1
	347		41	60	60	70	8 533	146	54 000	9 000	0.98	11	B4-U0-G1
S1	120-277	Drop Lens	42	40	45	70	5 963	140	54 000	9 000	1.00	13	B4-U0-G1
	347		37	40	40	70	5 164	130	54 000	9 000	0.97	13	B4-U0-G1
S2	120-277		43	60	65	70	8 935	137	54 000	9 000	0.99	11	B4-U0-G1
	347		41	60	60	70	8 273	141	54 000	9 000	0.98	11	B4-U0-G1
5 000 K													
S1	120-277	Diffuse	42	40	45	70	5 767	128	54 000	9 000	1.00	16	B4-U0-G1
	347		37	40	40	70	5 248	133	54 000	9 000	0.89	16	B4-U0-G1
S2	120-277		43	60	65	70	8 642	133	54 000	9 000	0.99	9	B4-U0-G1
	347		41	60	60	70	8 539	146	54 000	9 000	0.89	9	B4-U0-G1
S1	120-277	Drop Lens	42	40	45	70	5 760	137	54 000	9 000	1.00	13	B4-U0-G1
	347		37	40	40	70	5 063	129	54 000	9 000	0.97	13	B4-U0-G1
S2	120-277		43	60	65	70	8 961	138	54 000	9 000	0.99	11	B4-U0-G1
	347		41	60	60	70	8 262	141	54 000	9 000	0.98	11	B4-U0-G1

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°

[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.
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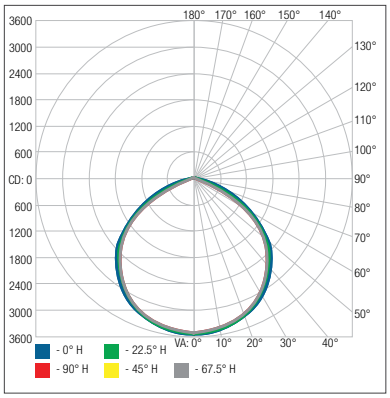
PHOTOMETRIC DATA[1] (cont'd)

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%

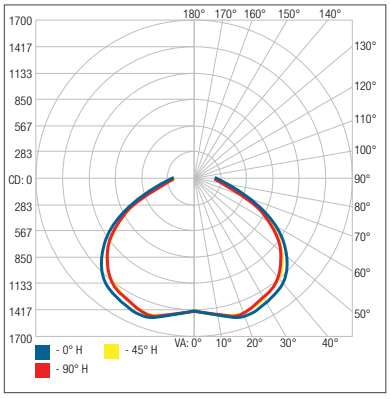
Illuminance at a distance

	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%

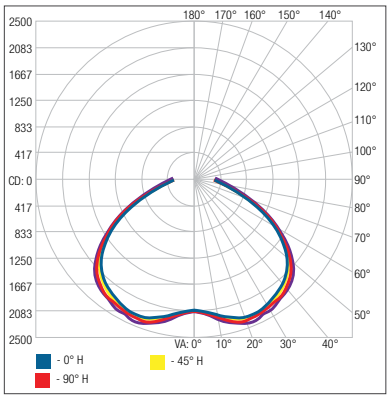
Illuminance at a distance

	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°

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.

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.

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