

CDTP SERIES

IP68/IK10 VAPOR TIGHT LOW VOLTAGE LINKABLE LED LINEAR LUMINAIRE DESIGNED FOR HARSH ENVIRONMENTS

PRODUCT DESCRIPTION

The **JADEMAR CDTP Tri-Proof Linkable Linear Series** is IP68 and IK10 Rated for harsh conditions. Our fixture is waterproof, dust-proof, impact resistant, and submersible for easy cleaning.

The CDTP Series is equipped with amazing 150° light distribution and screw-in connectors that allow for easy installation in the most difficult spaces. The design is environmentally friendly and safe to use around animals like in dairy farms, poultry farms, feed and cold storage facilities, and much more.

STANDARD FEATURES

Construction and Materials

- Anti-ammonia and anti-corrosion housing with seamless polymeric cover, providing IP68 ingress protection against water pressure of 100 bar (1450psi) and up to 80°C temperature
- Frame and heat sink is built with solid aluminum to provide reliability and effective heat dissipation
- Environmentally friendly, with no mercury, no UV and IR inhibitors
- Low Voltage, DC Linkable, remote driver solution and IP68 Screw in submersible connectors
- Mounted with UV Rated Non-Metallic Surface Mounting Clips (sold separately) - see Page 2 for more information
- Easy to Install Quick-Connect Cabling

Certifications and Compliance

- ETL and DLC Listed
- Ingress Protection: IP68 Rated
- IK10 Rated for Impact Resistance
- RoHS compliant
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Emissions

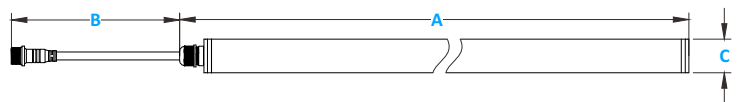
APPLICATIONS

- **Automotive Lighting**
 - Oil Lube Lighting
 - Maintenance Pit Lighting
 - Paint Inspection Lighting
 - Garage Lighting
- **Architectural Lighting**
 - Awning/Façade Lighting
 - Perimeter/Cove Lighting
 - Signage Lighting
- **Barn Lighting**
 - Dairy/Milking parlor lighting
 - Pullet & Laying Barn Lighting
 - Horse Barn Lighting
- **Car Wash Lighting**
- **Cold Storage Lighting**
- **Industrial Lighting**
 - Workstation Lighting
 - Machine Lighting
 - Inspection Lighting
 - Chemical Lighting
 - Mezzanine and Platform Lighting
- **Transit Lighting**
 - Rail Tunnel Lighting
 - Temporary Rail Tunnel Lighting
 - Maintenance Pit Lighting
 - Under-Platform Track Lighting
 - Rail and Subway Platform Lighting

PERFORMANCE SUMMARY

Primary Input Power	20W / 40W / 60W / 80W
Available Sizes	2FT / 4FT / 6FT / 8FT
Input Voltage	48VDC
Efficacy	>130 lm/W
CRI	80 CRI Standard
CCT Options	4000K / 5000K
Construction	Anti-Corrosion, Impact Resistant Aluminum Housing and Heat Sink with Screw-In connectors
Dimming	0-10V Dimming Standard
Ingress Protection	IP68 Rated for Submersion
Mounting	UV Rated Non-Metallic Surface Mounting Clips
Certifications & Compliance	IK10 / FCC / RoHS / ETL and DLC Listed
Lifetime Based on Temp.	173,000 Hrs @ 77°F [25°C]; 146,000 Hrs @ 90°F [32°C]; 129,000 Hrs @ 113°F [45°C]
Warranty	5 Years

PRODUCT DIMENSIONS



Model	A	B	C
CDTP-2D-20W	23.6"	11.8"	1.5"
CDTP-4D-40W	47.2"	11.8"	1.5"
CDTP-6D-60W	59.1"	11.8"	1.5"
CDTP-8D-80W	94.5"	11.8"	1.5"



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Information contained herein is subject to change without notice.
Values are nominal.
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SPECIFICATION SUBMITTAL DETAIL

Project Name/Type:		Date:
Catalog/Part #:		

CDTP SERIES IP68/IK10 VAPOR TIGHT LOW VOLTAGE LINKABLE LED LINEAR LUMINAIRE FOR HARSH ENVIRONMENTS

Ordering Information Example: [CDTP-2D-20W-50K-PVC](#)

Product Series	Size / Wattage	Input Voltage	CCT	Lens	CRI	Mounting Options
CDTP	2D-20W (2FT-20W) 4D-40W (4FT-40W) 6D-60W (6FT-60W) 8D-80W (8FT-80W)	Blank (48VDC)	40K (4000K) 50K (5000K)	Blank (Clear PC Lens) Standard	Blank (80 CRI) Standard	PVC (PVC Mounting Clips) Standard
	DL (Diffused Lens)			SS (Stainless Steel Mounting Clips)		

FIELD INSTALLED OPTIONS

CDTP-PWC1	1FT Power Connector Cable 14 AWG Wire
CDTP-PWC2	2FT Power Connector Cable 14 AWG Wire
CDTP-PWC4	4FT Power Connector Cable 14 AWG Wire
CDTP-PWC8	8FT Power Connector Cable 14 AWG Wire
CDTP-PWC12	12FT Power Connector Cable 14 AWG Wire
CDTP-PWC16	16FT Power Connector Cable 14 AWG Wire
CDTP-PWC20	20FT Power Connector Cable 14 AWG Wire
CDTP-LPWC8	8FT Power Connector Leader Cable 14 AWG Wire
CDTP-LPWC25	25FT Power Connector Leader Cable 14 AWG Wire

HLG80H-48A	Meanwell driver 80W
HLG120H-48A	Meanwell driver 120W
HLG240H-48A	Meanwell driver 240W
HLG320H-48A	Meanwell driver 320W
HLG480H-48A	Meanwell driver 480W
HLG600H-48A	Meanwell driver 600W



NOTE: The CDTP fixtures run on constant voltage drivers. The driver wattage you select should be equal or greater than the combined wattage of each of your fixture runs. Each fixture run can vary in total wattage and total number of fixtures used so we offer a range of different wattage drivers for varying wattages and fixture run lengths.

LUMEN PERFORMANCE AND ELECTRICAL DATA

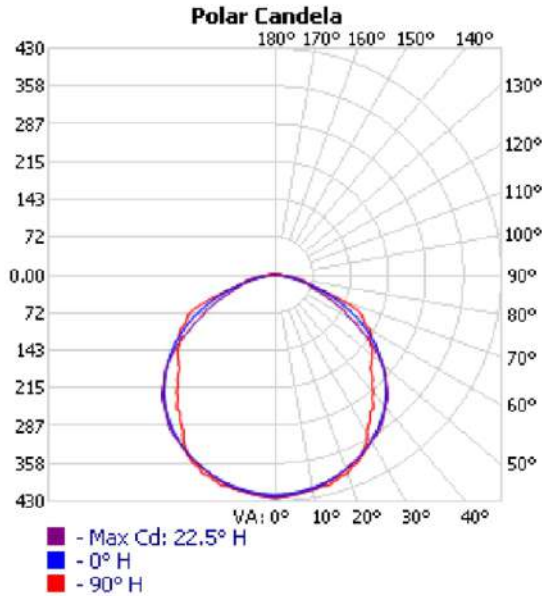
Model Number	CDTP-2D-20W	CDTP-4D-40W	CDTP-6D-60W	CDTP-8D-80W
Product Length	2FT	4FT	6FT	8FT
Wattage	20W	40W	60W	80W
Lumens (lm)	3,000	6,000	9,000	12,000
Nominal Efficacy (lm/W)	150	150	150	150
Input Voltage	48VDC			
Color Temperature (CCT)	4000K / 5000K			
Light Distribution	150°			
Ingress Protection Rating	IP68			
CRI	>80			
Power Factor	≥0.90			
THD	≥15%			
L70 Lifespan (TM21 Calculated)	173,000 Hrs. @ 25°C / 146,000 Hrs. @ 32°C / 129,000 Hrs. @ 45°C			
Ambient Working Temp	-40°C to 45°C (-40°F to 113°F) Ambient			
Certifications & Compliance	IK10, FCC, RoHS, ETL and DLC Listed			
Limited Warranty	5 yrs			



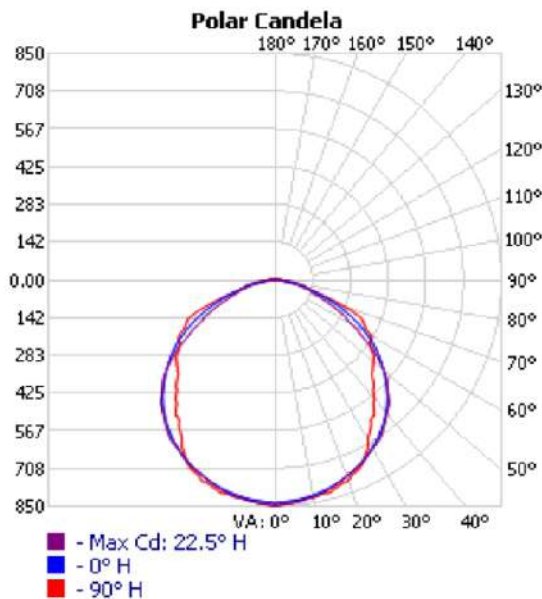
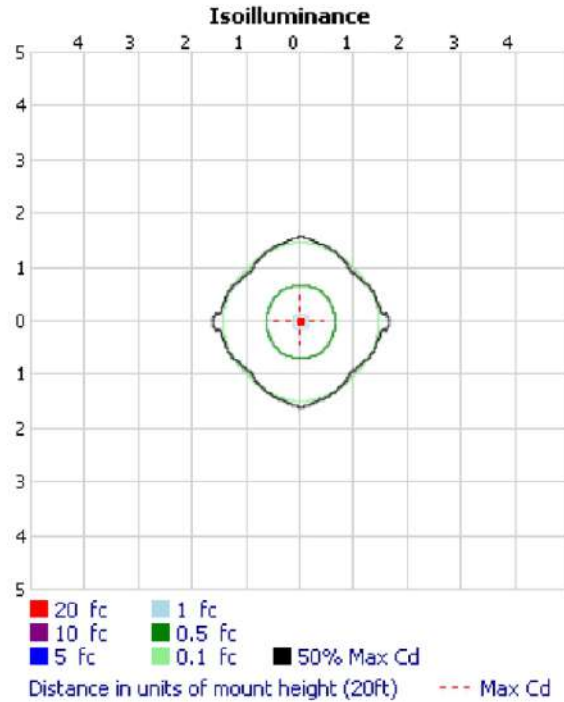
QPL	Brand	TRV	Product ID	Model Number	Product ID	Model Number
Solid State Lighting	JADEMAR LIGHTING	5.1	PY7NRVFS	CDTP-2D-20W-40K	P9LAOGE5	CDTP-6D-60W-40K
		5.1	P1HI2EXI	CDTP-2D-20W-50K	P14HVDKW	CDTP-6D-60W-50K
		5.1	PRG55MDL	CDTP-4D-40W-40K	P6IAOWSR	CDTP-8D-80W-40K
		5.1	P3PNIE0N	CDTP-4D-40W-50K	PENAE11B	CDTP-8D-80W-50K



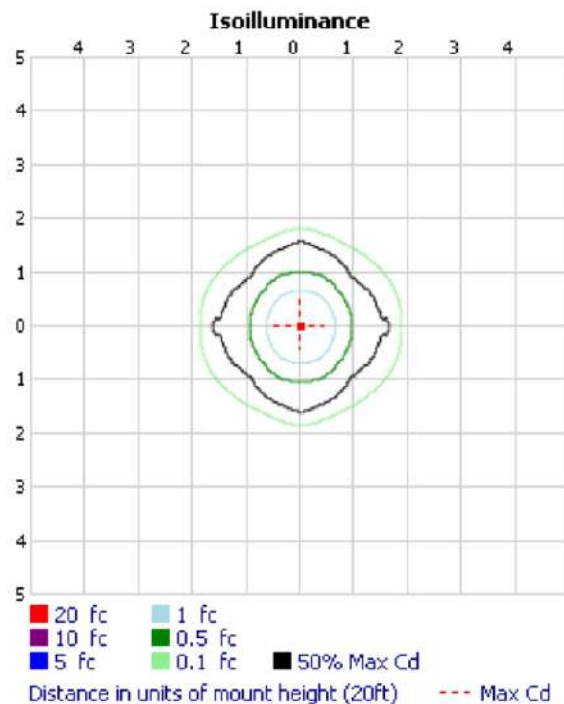
PHOTOMETRY



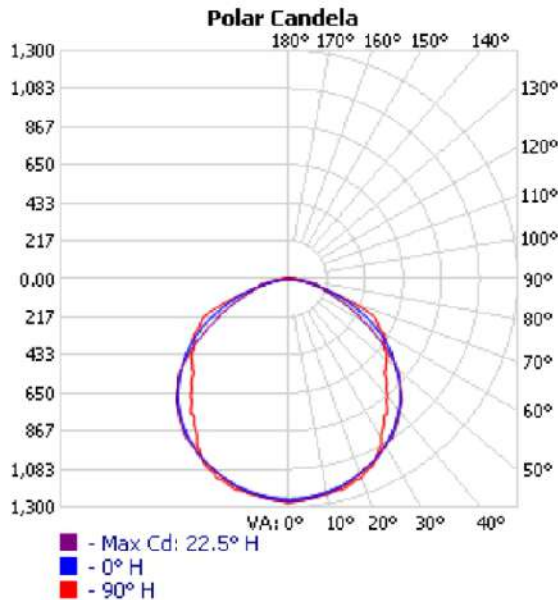
CDTP-2D-20W



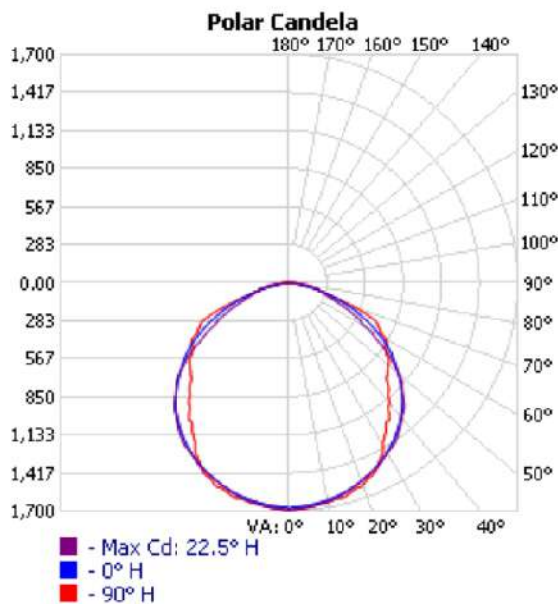
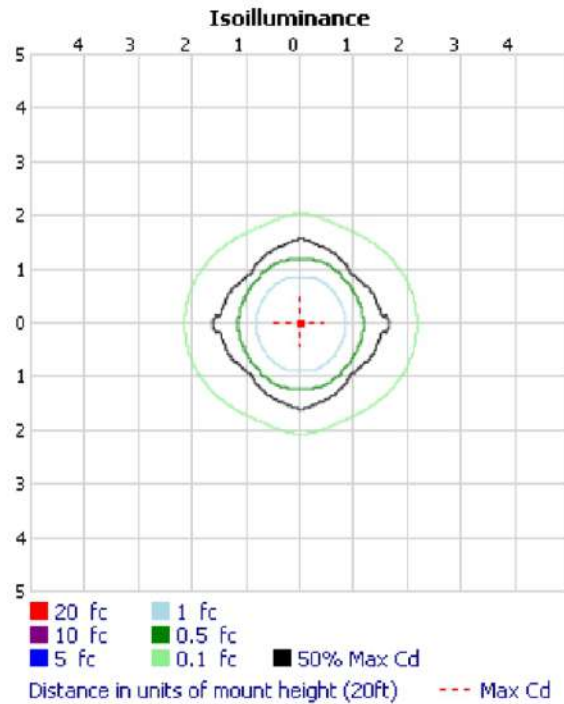
CDTP-4D-40W



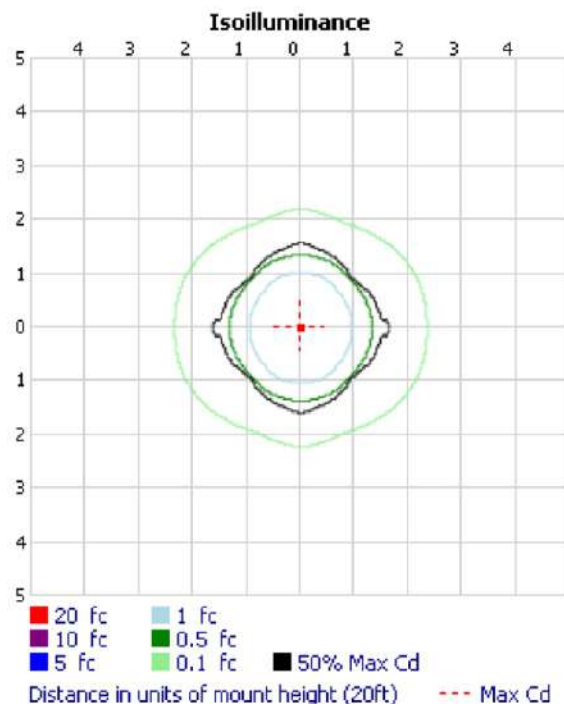
PHOTOMETRY



CDTP-6D-60W



CDTP-8D-80W





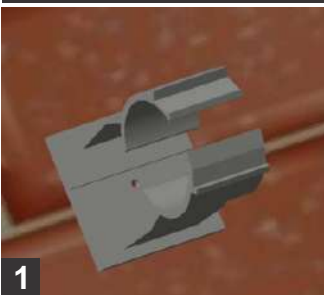
IP68 VAPOR TIGHT FIXTURE INSTALLATION INSTRUCTIONS



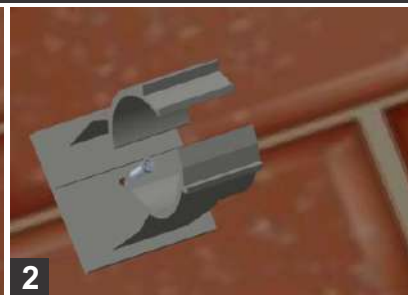
WARNING

- Observe all precautions usually followed when dealing with high voltage equipment when installing or servicing this light fixture.
- Disconnect power before installing or servicing.
- The product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the duct and the hazards involved.
- Protect all wiring connections with approved insulators rated 600V/150°C.
- Line voltage must be 100V–277V 50/60Hz according to the different models to select the corresponding voltage.
- Upon receipt of this fixture, thoroughly inspect it for any damage. If any is found, the carrier should be notified and held accountable.

INSTALLATION INSTRUCTIONS



1



2



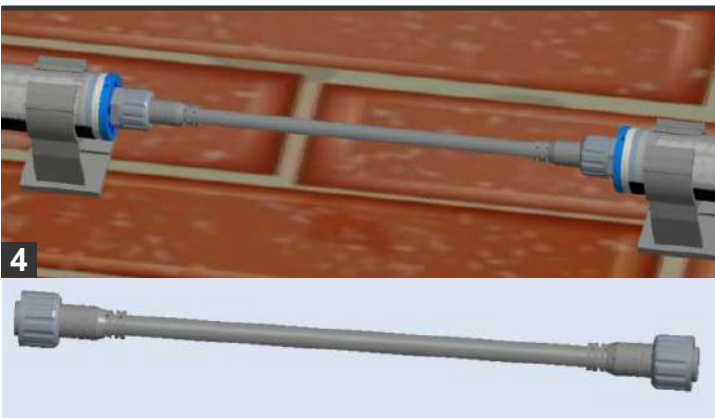
3

Step 1 & 2

Mount clasp to surface with screw

Step 3

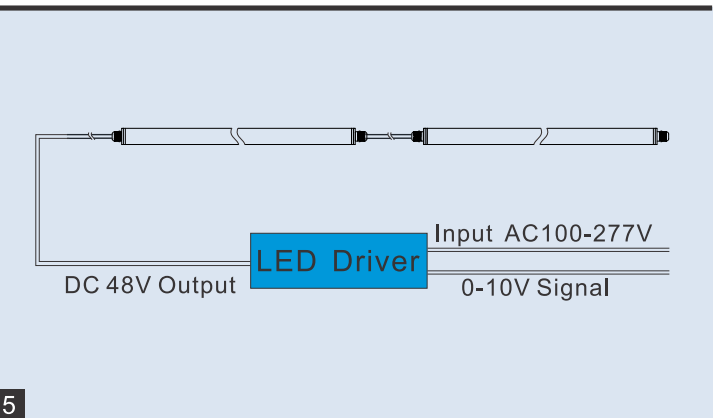
Press down on pipe to lock it firmly in place



4

Step 4

Connect the tubes with extension cable



5

Step 5

Connect leading cable with DC48V power system

