


TO BE DISCONTINUED

<h2>CADET SERIES</h2> <p>FLOODLIGHT</p>	Cat.#		
	Job	Type	

SPECIFICATIONS

Intended Use:

The Cadet Luminaire is a high performance LED energy and maintenance lighting solution, designed with optical versatility. Markets include: flags, columns, statues, security, building flood-lighting and landscapes. The Cadet LED Luminaire is intended to be used to reduce energy and maintenance associated with legacy HID lighting technology.

Construction:

- The housing and electrical compartment are made from die cast aluminum that is pretreated and powder-coated to meet the most rugged industry standards.
- Captive tool-less lock for yoke allows for quick and easy aiming.

LED/Optics:

- Provides the best combination of vertical and horizontal illumination.
- Features revolutionary individual LED optical control based on high performance TIR optical designs.
- The precisely-designed optics result in fewer fixtures that use less energy, leading to lower life-cycle costs along with lower up front installation costs.
- Luminaire maximum wattage is 60 Watts and shall include (as standard equipment) a four position rotary dimming switch. The switch shall be mounted on the PCB and used to manually set dimming level to approximately 25%, 50%, 75% and 100% of current. Dimming switch shall be accessible by removing a sealing screw from the lens. Following removal of screw, switch may be rotated with a small screwdriver. A metal insert shall be provided in lens to accept the access screw.

Electrical:

- Fixture electrical compartment contains all LED driver components.
- 20kA surge protection
- Lifeshield™ Circuit - protects luminaire from excessive temperature by interfacing with the 0-10V dimmable drivers to reduce drive current as necessary. The factory-preset temperature limits are designed to ensure maximum hours of operation to assure L70 rated lumen maintenance.

Finish:

- IFS polyester powder-coat electro-statically applied and thermocured.
- IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

Listings:

- The Luminaire shall bear a NRTL label and be marked suitable for wet locations.
- CSA 22.2 No.250.0 for wet locations

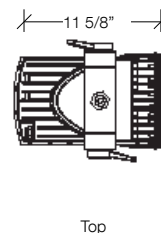
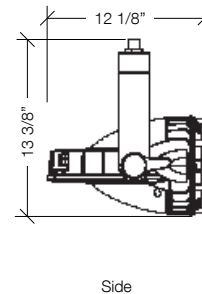
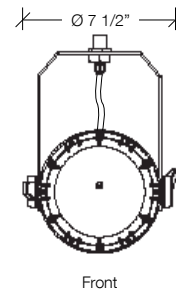
Warranty:

Five year limited warranty for more information visit:
www.hubbellighting.com/resources/warranty

PRODUCT IMAGE(S)



DIMENSIONS



Weight:	EPA
11.0 lbs (4.98 kg)	0.7 ft ²

CERTIFICATIONS/LISTINGS



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ORDERING INFORMATION ORDERING EXAMPLE: CDT/24L-55/5K7/4X4/UNV/HV/YK/BBT

SERIES	ENGINE-WATTS	LED COLOR/CRI	OPTICS	VOLTAGE	SHIELD OPTIONS	MOUNTING OPTIONS	FINISH
CDT Cadet	24L-55 55W, LED array	3K7 3000K, 70 CRI 4K7 4000K, 70 CRI 5K7 5000K, 70 CRI	2X2 narrow spot 4X4 narrow flood 5X5 medium flood 6X6 wide flood 5X3 horizontal flood 3X5 vertical flood	UNV 120-277V	FV full visor HV half visor	YK yoke mount AJ architectural junction box BX brass junction box WA wall & ceiling adapter GS ground stake PA cast post-top adapter TA tree strap 12NA ¹ 1/2" NPT adapter 34NA ¹ 3/4" NPT adapter	DB dark bronze textured BL black textured WH white textured PS platinum silver smooth GYS light gray smooth GT graphite textured CC custom color

¹ Only available when YK option is chosen

PERFORMANCE DATA

# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	Field Angle H" X V"	5K (5000K nominal, 70 CRI)			4K (4000K nominal, 70 CRI)			3K (3000K nominal, 70 CRI)		
					LUMENS	LPW ¹	Max Beam Candlepower	LUMENS	LPW ¹	Max Beam Candlepower	LUMENS	LPW ¹	Max Beam Candlepower
24	700mA	55W	2X2	33" X 33"	6,137	110	63297	6,262	112	64589	5,448	98	56192
			4X4	49" X 49"	6,046	108	18660	6,170	111	19041	5,368	96	16565
			5X5	98" X 98"	5,776	104	5803	5,893	106	5921	5,127	92	5151
			5X3	84" X 91"	5,643	102	14492	5,758	104	14787	5,010	90	12865
			3X5	91" X 84"	5,634	102	13798	5,749	104	14080	5,001	90	12249
			6X6	108" X 108"	6,022	107	3954	6,145	110	4035	5,346	95	3510

¹Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
24	2	700 mA	120	55	0.55
			277		0.24

PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°C	1.00	0.97	0.95	0.95	0.92	>470,000

¹ Projected per IESNA TM-21-11
Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

AMBIENT TEMPERATURE	LUMEN MULTIPLIER	
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).



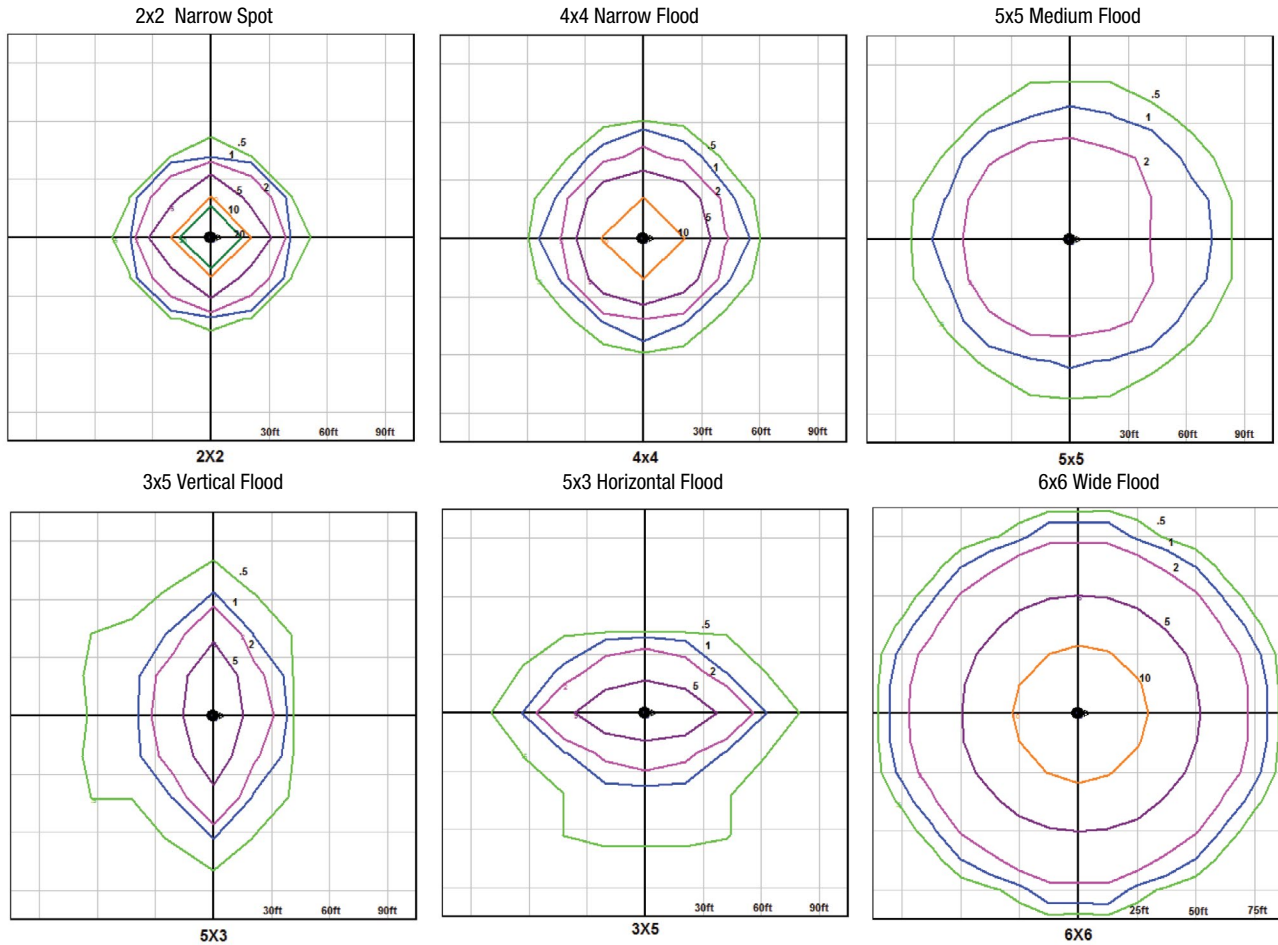
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Due to our continued efforts to improve our products, product specifications are subject to change without notice.



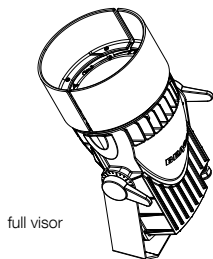
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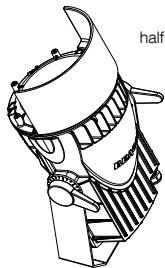
PHOTOMETRICS



SHIELD OPTIONS

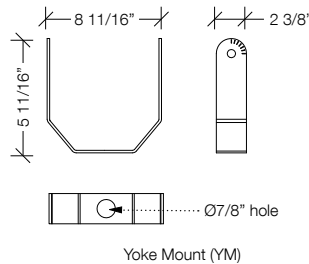


full visor

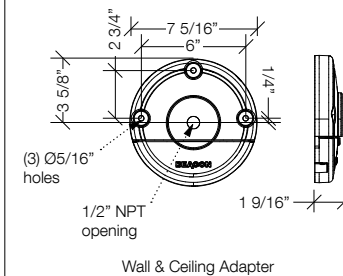


half visor

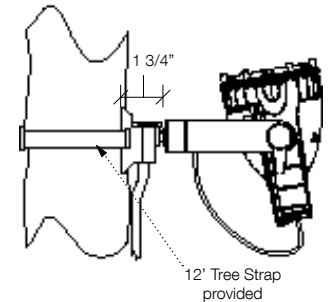
MOUNTING OPTIONS



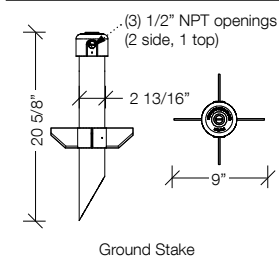
Yoke Mount (YM)



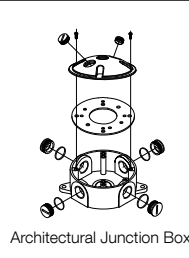
Wall & Ceiling Adapter



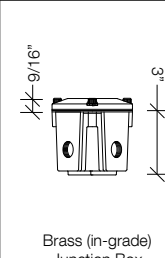
12' Tree Strap provided



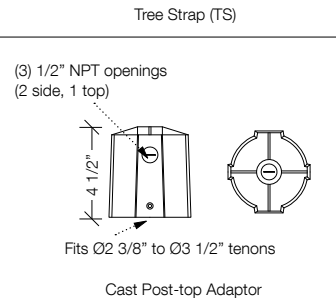
Ground Stake



Architectural Junction Box



Brass (in-grade) Junction Box



Tree Strap (TS)

(3) 1/2" NPT openings (2 side, 1 top)

Fits Ø2 3/8" to Ø3 1/2" tenons

Cast Post-top Adaptor