

DUSK TO DAWN (MDD05)



DESCRIPTION

The MDD05 Series luminaires offer traditional Dusk to Dawn features with softened edges for a versatile look that complements many applications. Also supports adjustable color temperature and power that meets your lighting needs. High-performance, energy efficient solution for local, collector and major roadways, the MDD05 series uses breakthrough LEDs and precision-engineered optics to provide exceptional illumination while also saving energy

SPECIFICATION FEATURES

Overview

- Initial Delivered Lumens: 2,550~12,000lm
- CRI: ≥ 70
- Mounting: Mounts directly to wall surface or to pole with mounting arm (accessory sold separately)

Construction

- Durable, die-cast aluminum housing silver gray polyester powder-coat finish
- Dusk-to-dawn Photocell is included.

Recommended use

- General Area Illumination
- Entryways & Pathways
- Yards & Loading Docks

- Replaces up to 250W MH
- Light engines are available in CCT adjustable, the CCT can be changed to 3000K/4000K/5000K
- Lifespan: Estimated >50,000 Hours

Electrical

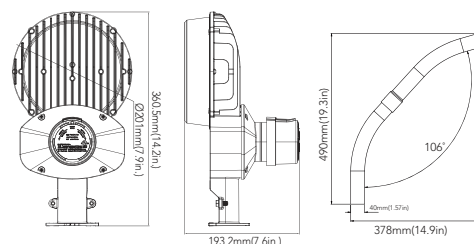
- Input Voltage: 120-277V
- Power Factor: ≥ 0.9
- Four adjustable Wattage levels available for each model.
- Total Harmonic Distortion: $\leq 20\%$
- Operating Temperature Range: -40°C - $+40^{\circ}\text{C}$ (-40°F - $+104^{\circ}\text{F}$)

Certifications

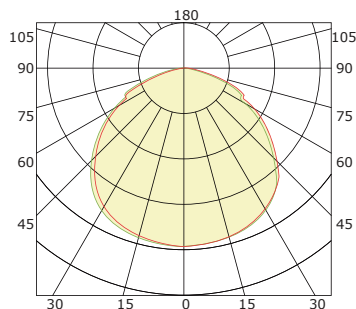
- UL cUL wet location listed.



DIMENSIONS



PHOTOMETRICS

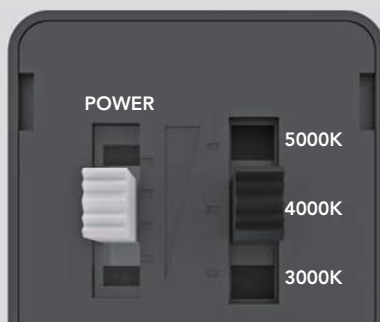


ACCESSORIES

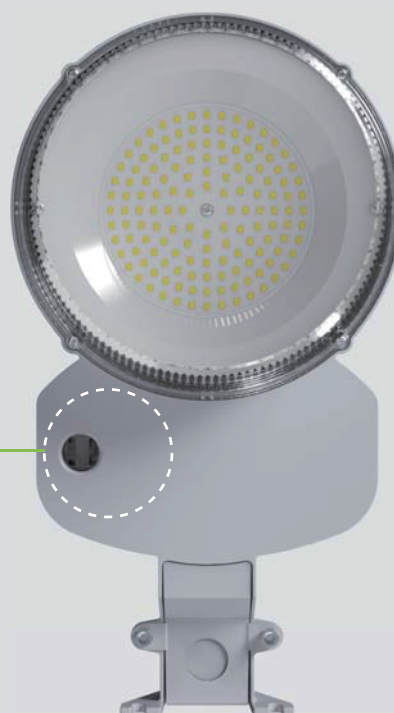
	Mounting arm kit (Optional) USE: For pole mounting
	Photocell USE: Photocell is field installed or pre-installed in factory by requesting

CCT AND WATTAGE CONTROLLER

This fixture has the function of adjusting the lumens output and color temperature on-site.



Wattage selectable: 100%, 80%, 60%, 40%
CCT selectable: 3000K, 4000K, 5000K



ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nom inal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	770	45	120	0.38
		45	208	0.22
		45	240	0.19
		45	277	0.16
1	1130	65	120	0.54
		65	208	0.31
		65	240	0.27
		65	277	0.23
1	1200	80	120	0.67
		80	208	0.38
		80	240	0.33
		80	277	0.29

CCT AND WATTAGE ADJUSTABLE

MDD05 45W								
SWITCH SETTING	SYSTEM WATTS	CRI	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	45W	70	5800lm	129 lm/W	6200lm	138 lm/W	6000lm	133 lm/W
80%	36W	70	4800lm	133 lm/W	5200lm	144 lm/W	5000lm	139 lm/W
60%	27W	70	3700lm	137 lm/W	4000lm	148 lm/W	3850lm	143 lm/W
40%	18W	70	2550lm	142 lm/W	2750lm	153 lm/W	2650lm	147 lm/W

MDD05 65W								
SWITCH SETTING	SYSTEM WATTS	CRI	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	65W	70	8400lm	129 lm/W	8800lm	135 lm/W	8600lm	132 lm/W
80%	52W	70	7000lm	135 lm/W	7300lm	140 lm/W	7100lm	136 lm/W
60%	39W	70	5400lm	138 lm/W	5700lm	146 lm/W	5500lm	141 lm/W
40%	26W	70	3700lm	142 lm/W	3900lm	150 lm/W	3800lm	146 lm/W

MDD05 80W								
SWITCH SETTING	SYSTEM WATTS	CRI	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	80W	70	11200lm	140 lm/W	12000lm	150 lm/W	11600lm	145 lm/W
80%	64W	70	9200lm	144 lm/W	9800lm	153 lm/W	9600lm	150 lm/W
60%	48W	70	7000lm	146 lm/W	7500lm	156 lm/W	7400lm	154 lm/W
40%	32W	70	4800lm	150 lm/W	5100lm	159 lm/W	5000lm	156 lm/W

ORDERING GUIDE								Example: MDD05 45W 27V DDK Y Y Y Y
Fixture Type	Wattage	Voltage	CCT	Finish	Photocell	CCT and Power Adjustable	Internal Code	
MDD05	45 45W 65 65W 80 80W	27V 120-277V	DDK Adjustable color temperature	SG Silver Gray D Dark Bronze B Black W White	P0 With 120-277V Photocell	AD With Adjustment Dial	Blank Alphanumeric	