

MILLENNIUM OS™

MOS SERIES

PRODUCT FEATURES:

- » Diffused LED source reduces glare while maintaining high optical efficiency
- » Standard occupancy sensor
- » Wet Location Listed and IP65 rated
- » 2,509 – 4,700 lumen configurations
- » Vandal resistant for high abuse areas
- » Designed to meet NFPA101 standards
- » 10 year limited product warranty



PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

SPECIFICATIONS

HOUSING: Marine-grade die-cast aluminum and injection-molded polycarbonate construction. Integral aluminum heatsink with concealed air inlet and convection fins. TGIC polyester powder coat finish with five-step pre-treatment; salt-spray test 1,000 hours. See Ordering Information for available finishes. Closed-cell neoprene self-adhesive gasket seals housing to mounting surface. Closed cell silicone gasket seals diffuser to housing.

LENS/REFLECTOR: UV-stabilized, high-impact resistant, injection molded clear textured 100% DR acrylic or polycarbonate diffuser. ≥97% efficiency on internal reflector. Lens secured with four Torx® fasteners.

ELECTRICAL: Replaceable mid-power LED array. See Ordering Information for color temperature and CRI options. 120-277VAC and 347VAC, 50/60Hz input with replaceable high power factor electronic constant-current dimming driver (<20% THD, >0.90 PF). Standard 0-10V dimming capability with 10-100% range (20L) and 1-100% range (38L). EMC compliant to FCC CFR Part 15. Standard 20KV/KA surge protection to IEEE/ANSI C62.41 Cat. A.

CONTROLS: Standard embedded occupancy sensor utilizes 5.8GHz High-Frequency Doppler (HFD) technology for enhanced coverage area and reduced temperature sensitivity in stairwells compared to passive infrared (PIR). Completely enclosed sensor maintains Wet Location listing and IP65 rating. EMC compliant to FCC CFR Part 15. Factory default settings of 20 min. time out, 30% standby output. For other controls options, select TekLink options below.

TEKLINK™ TL100: Centralized, wired zonal occupancy and closed-loop daylight harvesting control system. TL100 controllers are standalone devices and ordered separately for luminaire. [Click here for specifications.](#)

TEKLINK™ TL1000/2000: An adaptive lighting control system with wired or wireless communication between system nodes. In addition to occupancy detection and daylight harvesting, TL1000 and TL2000 feature advanced scheduling and energy management capabilities with cloud-based management of system settings, reporting and notifications. Meets CA Title 24-2013 and ASHRAE 90.1-2013 requirements.

INSTALLATION: Surface-mount to ceiling or wall. Four point mounting required for Peace of Mind Guarantee™. Ambient temperature rating is -40°C to 55°C, except as noted.

PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For photometric information, go to www.kenall.com.

WARRANTY: Limited [ten \(10\) year warranty.](#)

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location. IP65 rating per IEC 60598. ADA compliant.



ORDERING INFORMATION (Ex: MOS-18-MB-TA-20L-35K8-DV-FS)

Model	Size	Finish	Lens	Lamp Power	Lamp Color	Voltage	Options	Accessory	TekLink	Controls Kit
MOS	18									< >
	Size			Lamp Power			Options			
	18	18" length		20L	20 Watt LED		LEL[▲]	LED Emergency Battery Backup (n/a with 347V)		
				38L	38 Watt LED		FS	Single Fuse & Holder		
	Finish			Lamp Color			PH	Phillips Head Fasteners		
	DB	Dark Bronze		30K8	3000K / 80 CRI min.		2C*	Two Circuit Wiring (n/a with LEL option or 347V)		
	LG	Light Gray		35K8	3500K / 80 CRI min.		Accessory			
	MB	Matte Black		40K8	4000K / 80 CRI min.		9500	Torx® with center pin Screwdriver		
	MW	Matte White		50K8	5000K / 80 CRI min.		TekLink[▼]			
	CC	Custom Color					TL100	TL100 Control System (Click here for specifications)		
	Lens			Voltage			TL1000	TL1000 Wired Control System (Click here for specifications)		
	TA	Textured Acrylic		DV	120-277 Volts		TL2000	TL2000 Wireless Control System (Click here for specifications)		
	TP	Textured Polycarbonate		347	347 Volts		CSD	Control System Delete		
							Controls Kit			
							< >	Factory Assigned Internal Code		

▲ Factory wired as unswitched; Operating temperature range (0°C to 25°C)

* 38L lamp type only; Includes one driver and LED array per circuit

▼ Please consult Kenall Applications when ordering Controls



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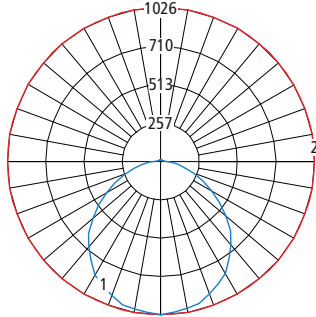
MOS SERIES

PERFORMANCE

Lens Type	Lamp Power	Initial Delivered Lumens, By Lamp Color (lm)				Efficacy (lm/W)	Input Power (W)	Estd. L70 LED Life (hrs)	Delivered Output in LEL Battery Mode (lm)
		30K8	35K8	40K8	50K8				
TA	20L	2,527	2,613	2,585	2,589	103 - 107	25	100,000	1,030
	38L	4,522	4,676	4,626	4,633	98 - 102	46	80,000	980
TP	20L	2,551	2,638	2,610	2,614	104 - 108	25	100,000	1,040
	38L	4,565	4,720	4,670	4,677	99 - 102	46	80,000	990

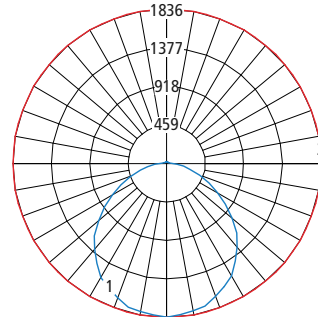
Battery Mode Delivered Lumen Output is the measured luminaire output after 90 minutes of battery operation (when ordered with LEL Option). Subject to change without notice. Visit www.kenall.com for IES files and additional information.

Model: MOS-18-xx-TP-20L-40K8-DCC-DV



Max Candela = 1026 Located At Horizontal Angle = 0, Vertical Angle = 0
 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

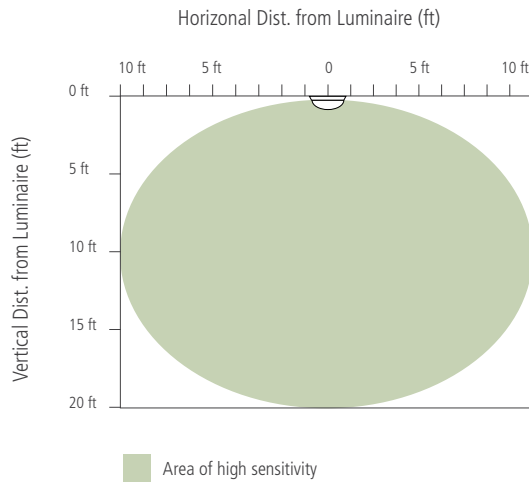
Model: MOS-18-xx-TP-38L-40K8-DCC-DV



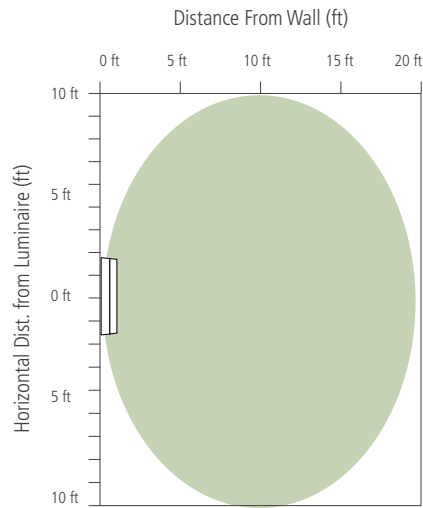
Max Candela = 1836 Located At Horizontal Angle = 0, Vertical Angle = 0
 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

SENSOR COVERAGE

Ceiling Mount



Wall Mount



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DIMENSIONAL DATA

