MILLENIUM 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



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® T-20 with center pin 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 stainwells 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 five (5) year warranty. Peace of Mind Guarantee against breakage.

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location. IP65 rating per IEC 60598. Luminaire tested to an IK10 impact protection rating per IEC 60068-2-75:1997-08 (TP Lens type required). ADA compliant.













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

Model	Size	Finish	Lens	Lamp P	ower	Lamp Color	Voltage	Options	TekLink	Controls Kit	
MOS	18	<u> </u>								_ < >	>
	Size			Lamp I	Power			Options			
	18	18" length		20L 38L		att LED att LED		LĖL ≜ FS	LED Emergency Battery Backup (Single Fuse & Holder	n/a with 347V)	
	Finish							PH	Phillips Head Fasteners		
	DB Dark Bronze			Lamp Color				2C*	Two Circuit Wiring (n/a with LEL option or 347V)		
	LG	Light Gray		30K8		K / 80 CRI min.			3.	,	
	MB	Matte Black		35K8	3500	K / 80 CRI min.					
	MW	Matte White		40K8	4000	K / 80 CRI min.		TekLink▼			
	CC	Custom Color		50K8	5000	K / 80 CRI min.		TL100	TL100 Control System (Click here	for specifications)	
								TL1000	TL1000 Wired Control System (Cl	lick here for specification	ns)
	Lens	Lens			Voltage			TL2000	TL2000 Wireless Control System (Click here for specifications)		
	TA	Textured Acrylic		DV	120-277	' Volts		CSD	Control System Delete	•	
	TP	Textured Polycarbonate	9	347	347 Volt	S			,		
		•						Controls Kit			
								<>	Factory Assigned Internal Code		

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



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

[▼]Please consult Kenall Applications when ordering Controls

MILLENIUM OS™

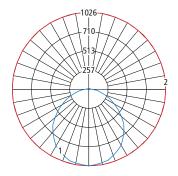
MOS SERIES

PERFORMANCE

		Initial Deli	vered Lume	ens, By Lamp					
Lens Type	Lamp Power	30K8	35K8	40K8	50K8	Efficacy (lm/W)	Input Power (W)	Estd. L70 LED Life (hrs)	Delivered Output in LEL Battery Mode (lm)
TA	20L	2,527	2,613	2,585	2,589	103 - 107	25	100,000	1,030
IA	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
IF	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.

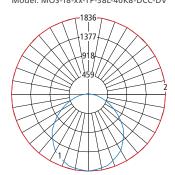




 $\mbox{Max Candela} = \mbox{1026 Located At Horizontal Angle} = \mbox{0, Vertical Angle} = \mbox{0}$

— 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

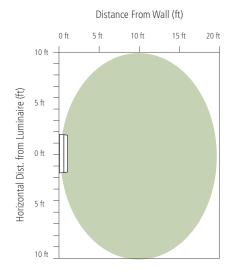
— 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
— 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

SENSOR COVERAGE

Ceiling Mount

Horizonal Dist. from Luminaire (ft) 10 ft 5 ft 0 5 ft 10 ft 10 ft 10 ft Area of high sensitivity

Wall Mount

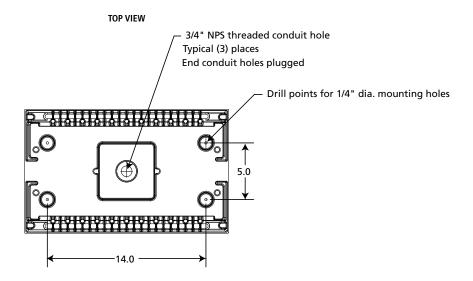


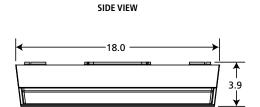


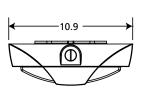
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DIMENSIONAL DATA







FRONT VIEW