

MEDMASTER™ FLAIR

MFD SERIES – DUAL ENGINE LAMPING

PRODUCT FEATURES:

- » Center and perimeter light engines with independent illumination and control
- » Edge-lit, diffused center and near-translucent clear perimeter lenses provide unique lighting aesthetic within this product segment
- » Center light engine with static white LED
- » Perimeter light engine with static white, static color, RGB or switchable (white and color)
- » 14" or 18" nominal diameter with 2" overall depth
- » NSF2 and IP64 rating for cleanability in healthcare applications



SPECIFICATIONS

HOUSING: Die-cast aluminum baseplate and frontal heat sink trim. Standard TGIC polyester powder coat finish on aluminum components with five-step pre-treatment to withstand 1,000-hour salt spray test per ASTM B117. See Ordering Information for available finishes. Closed cell gasketing seals all housing component interfaces.

OPTICAL: Injection-molded UV-stabilized polycarbonate outer lenses for center and perimeter light engines. Textured clear perimeter light guide for unique illuminated effect but near transparent non-illuminated appearance. Center light engine utilizes inner acrylic light guide to provide uniformity from edge-lit light source, in conjunction with diffused polycarbonate outer lens.

LAMPING: Center: 360° edge-lit illumination. Available 3000K, 3500K and 4000K white color temperatures with 3-step MacAdam variation allowance. Standard 80 CRI min, optional 90 CRI min. Perimeter: 360° edge-lit illumination. Available matching color temperature source to center white light engine. Available static color source in 630 nm native red, 590 nm native amber, phosphor-converted mint or 500 nm cyan; inquire with factory on other available static color options. Available Switchable engine on 18" model provides white light and native amber or native red, controlled by internal device based on signal input; see Control for further description. Available RGB (red-green-blue) in 14" model for dynamic and mixed lighting scenes. 18" model features RGBW perimeter lamping which includes a 2500K, 70 CRI white LED for the broadest color gamut and white color matching; a 90 CRI center lamp color is recommended in conjunction. The RGB(W) package uses phosphor-converted red, phosphor-converted green and native blue source for longevity.

ELECTRICAL: 120-277VAC, 50/60Hz electrical input with serviceable high-power factor electronic, constant-current drivers (<20% THD, >0.90 PF). 347VAC input available in DIM1 driver configurations. DIM1: Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities; independent dimming control of center and perimeter lamping functions. 0.2mA source current per luminaire, per dimming line. DALI: Optional DALI-2 DT6 driver with 1-100% dimming range without dim-to-dark capabilities. Independent addressing and control of lamping functions. DMX: DMX-RDM compatible driver with 0.1-100% dimming range and dim-to-dark. (14" model) One four-channel driver powers both the static white center and the RGB perimeter lamp functions; four total DMX network addresses. (18" model) One driver powers the static white center and another driver powers the RGBW perimeter; five total DMX network addresses.

SENSOR & CONTROLS: (18" Model) Optional embedded microwave motion sensor (MS) mounted behind center diffuser. Factory default is 30% dimming and 20min. timeout. Custom settings available upon request. Sensor operates at 5.8 GHz (continuous-wave radar) and provides 360° coverage. Switchable perimeter lamping utilizes Kenall-developed internal device to switch between white or colored sources based on voltage of sensing input (10V = white, ≤5V = color). When MS option is ordered in conjunction with switchable perimeter, the product is factory wired to have both lamp functions on in white output state during occupancy. In periods of unoccupancy, the center lamp turns off and the perimeter changes to the specified color. This is intended to be a 'night light' operational mode. To see the full list of third-party compatible controls, [click here](#).

INSTALLATION: Suitable for surface wall or ceiling installations over recessed junction box. 0°C to 40°C ambient environments, unless otherwise noted. Anchored four-point mounting required. Trim assembly secured to baseplate with three (3) face-mounted, color-matched, Philips fasteners.

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

WARRANTY: Limited five (5) year LED warranty.

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location Wall and Covered Ceiling; listing includes Emergency Battery Pack "LEL" option. IP64 rating per IEC 60598. NSF2 Splash/Non-Food Zone rated. Luminaire tested to an IK10 impact protection rating per IEC 60068-2-75:1997-08.



ORDERING INFORMATION (Ex: MFD18-MW-PP-24L/24M-35K9-DMX-DV)

Model	Finish	Optic Type	Lamp Type (Center/Perimeter)	Lamp Color	Driver	Voltage	Options
		PP	/				
Model		Lamp Type: Perimeter Engine		Driver Type			
MFD14	14" Nominal Diameter	14"		DIM1 0-10V Dimming to 1% with Dim-to-Dark			
MFD18	18" Nominal Diameter	16L † 16 Watt Static White		DALI † DALI-2 DT6 Dimming to 1% without Dim-to-Dark			
Finish		12R 12 Watt Static Red		DMX ▲ DMX Control with Dimming to 0.1%			
MW	Antimicrobial Matte White	12NA 12 Watt Static Amber		Voltage			
WS	Warm Satin Painted Anodized	6PM 6 Watt Static Mint		DV 120-277VAC, 50/60Hz			
CS	Cool Satin Painted Anodized	8CY 8 Watt Static Cyan		347 † 347VAC, 60Hz (DIM1 only)			
BR	Bronze	PXX Custom Static Light Color (consult factory)		Options			
LG	Light Gray	16RGB 16 Watt Dynamic RGB Color		LEL * Integral 4W Emergency Battery Backup			
CC	Custom Color (Consult factory)	18"		FS Single Fuse & Holder (n/a 347V)			
Optic Type		24L † 24 Watt Static White		MS ◊ Embedded Motion Sensor			
PP	Pearlescent Polycarbonate	18R 18 Watt Static Red		† White lamp color to match center light engine			
Lamp Type: Center Engine		18NA 18 Watt Static Amber		▲ Required for all configurations with RGB or RGBW, center and perimeter control			
14"		8PM 8 Watt Static Mint		* n/a 347V; 0°C min. ambient; n/a in conjunction with DMX driver, MS option, or 33L Center w/DALI.			
10L	10 Watt White LED	12CY 12 Watt Static Cyan		◊ 18" models only; for use with white/static color and white/switchable color;			
16L	16 Watt White LED	PXX Custom Static Light Color (consult factory)		max. 16L center; DIM1 only; n/a with 347V			
22L	22 Watt White LED	24L/18R † Switchable Color in White and Red		† n/a 14" fixture; n/a with 24L/18R or 24L/18NA (18" fixture)			
18"		24L/18NA † Switchable Color in White and Amber					
16L	16 Watt White LED	24M 24 Watt Dynamic RGBW Color (must pair with 24L center)					
24L	24 Watt White LED	Lamp Color					
33L	33 Watt White LED	30K8 3000K / 80 CRI min.					
		35K8 3500K / 80 CRI min.					
		35K9 3500K / 90 CRI min.					
		40K8 4000K / 80 CRI min.					
		40K9 4000K / 90 CRI min.					



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This product is able to comply with the latest domestic preference legislation, such as the Buy American Act (BAA), Trade Agreement Act (TAA), Build America, Buy America Act (BABA), and others. It may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2025 Kenall Mfg. Co.

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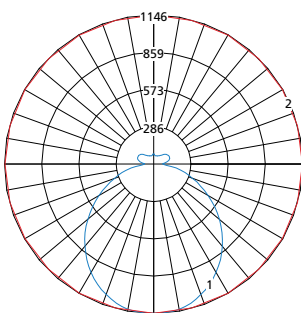
MFD SERIES – DUAL ENGINE LAMPING
PERFORMANCE

Model	Light Engine	Lamp Code	Lamp Description	Initial Delivered Lumens, By Lamp Color (lm)						Input Power (W)	TM-21 Reported L70 (hrs)
				30K8	35K8	35K9	40K8	40K9	Colors		
MFD14	Center	10L	Static White	1,207	1,246	1,141	1,312	1,167	-	13	>72,000
		16L		1,786	1,845	1,689	1,942	1,728	-	20	
		22L		2,469	2,550	2,335	2,684	2,389	-	26	
	Perimeter	16L	Static White	627	647	593	681	606	-	13	>72,000
		12R	630 nm Red	-	-	-	-	-	328	16	
		12NA	590 nm Amber	-	-	-	-	-	193	16	
		6PM	PC Mint	-	-	-	-	-	538	8	
		8CY	500 nm Cyan	-	-	-	-	-	334	10	>60,000
		16RGB	PC Red	-	-	-	-	-	263	22	
			PC Green	-	-	-	-	-	1,221	22	
			Blue	-	-	-	-	-	165	22	
	Combined	10L/16L	Static White	1,840	1,900	1,740	2,000	1,780	-	26	>72,000
		16L/16L		2,407	2,485	2,276	2,616	2,328	-	32	
		22L/16L		3,096	3,197	2,928	3,365	2,995	-	38	
MFD18	Center	16L	Static White	1,765	1,823	1,669	1,919	1,707	-	19	>72,000
		24L		2,878	2,971	2,721	3,128	2,784	-	29	
		33L		3,551	3,667	3,358	3,860	3,435	-	39	
	Perimeter	24L	Static White	954	985	902	1,037	923	-	29	>72,000
		18R	630 nm Red	-	-	-	-	-	403	23	
		18NA	590 nm Amber	-	-	-	-	-	235	24	
		8PM	PC Mint	-	-	-	-	-	687	11	
		12CY	500 nm Cyan	-	-	-	-	-	402	13	
		24L/18R	Sw. White / 630 nm Red	954	985	902	1,037	923	403	29 / 23	>72K / >60K
		24L/18NA	Sw. White / 590 nm Amber	954	985	902	1,037	923	235	29 / 23	
		24M	PC Red	-	-	-	-	-	276	27	>36,000
			PC Green	-	-	-	-	-	1,480	27	
			Blue	-	-	-	-	-	185	26	
			White (2500K, 70CRI)	-	-	-	-	-	1,030	28	
	Combined	16L/24L	Static White	2,988	3,086	2,826	3,248	2,891	-	48	>72,000
		24L/24L		3,832	3,957	3,623	4,165	3,707	-	58	
		33L/24L		4,787	4,943	4,527	5,204	4,631	-	67	

NOTE: Information subject to change without notice. All testing conducted by an ILAC/ISO17025 accredited laboratory. Please visit www.kenall.com for IES files and additional information.

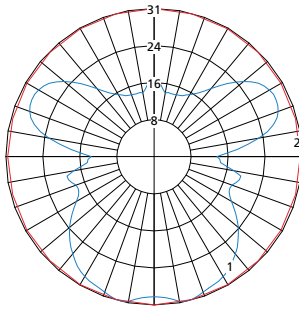
Model: MFD18-r-PP-24L_24L-35K8-w-x-y-z

Center and Perimeter On



MFD SERIES – DUAL ENGINE LAMPING PERFORMANCE

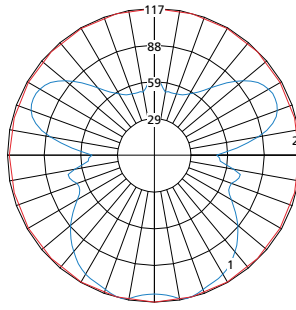
Model: MFD18-r-PP-t_24M-v-w-x-y-z
PC Red Perimeter On



Max Candela = 31 Located At Horizontal Angle = 90, Vertical Angle = 12.5

1 - Vertical Plane Through Horizontal Angles (90-270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)

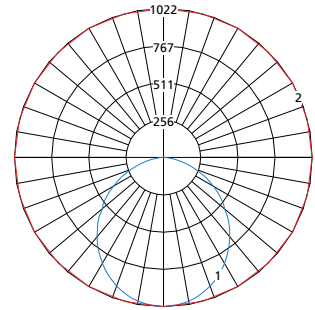
Model: MFD18-r-PP-t_24M-v-w-x-y-z
White (2500k_70 CRI) Perimeter On



Max Candela = 117 Located At Horizontal Angle = 90, Vertical Angle = 12.5

1 - Vertical Plane Through Horizontal Angles (90-270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)

Model: MFD18-r-PP-24L_u-35K9-w-x-y-z
Center On

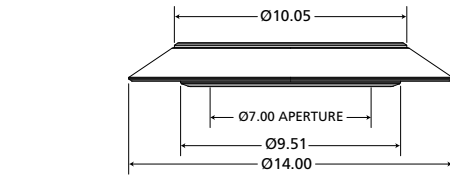


Max Candela = 1022 Located At Horizontal Angle = 0, Vertical Angle = 0

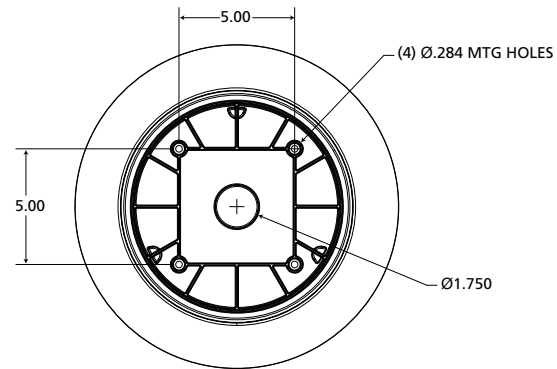
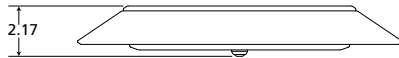
1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

DIMENSIONAL DATA

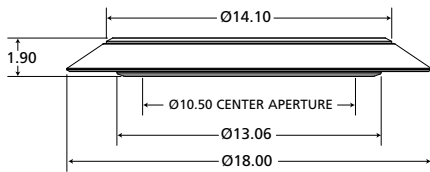
14" FIXTURE



OPTIONAL LEL



18" FIXTURE



OPTIONAL LEL

