

VISION-SMART PERFORMANCE RT410FL-SERIES **SPORTS / INDUSTRIAL** MID-MAST LIGHTING

Project Name:		
Prepared by:		
Date:		

Mledtech™ products deliver light that improves human performance. Vision-Smart Performance RT410FL-Series is an Olympic quality, HDTV compatible light for any world class indoor / outdoor venue and is exceptionally well suited for tennis and skeet facilities. The RT410FL-Series is an ideal solution for professional sports lighting, but affordable enough for recreational, high school, college and semi-professional sports venues as well. RT410FL-Series is designed to replace 400 - 1,000 watt HID lights at heights from 20' to 50', and is equally suitable at airports, seaports and other industrial facilities. These luminaires deliver maintenance-free lighting with the industry's greatest visual comfort and highest output at the target.

TECHNICAL ADVANTAGES

COB Light Engine Technology

Our COB light engine creates the least glare, ghosting, and shadowing in the industry. The light produced by COB is more akin to a traditional HID luminaire. SMD LED driven lights produce hundreds of laser beams, each creating glare and shadows on the object making it more fatiguing and difficult for athletes and workers to identify the true location of a moving object.



Proprietary Glass Lens

Unlike polycarbonate lenses used widely by competitors, our proprietary glass Fresnel lens is designed to reduce glare, achieves 96% light transmission, and will not yellow over time. This results in light transmission that will not change over the lifetime of the



Proprietary Reflector

The COB chip is recessed deep into the polished aluminum reflector ensuring that minimal spillage occurs outside of the intended target In contrast, the typical PC lens over the hundreds of SMD chips does not create a physical barrier to control light spillage. This difference contributes to the excess glare of SMD and PC lens technology.



Construction

proprietary glass, IP66 ingress protection, powder coat finish, stainless fasteners and silicone gasketing ensures performance



ΗZ

F

IP

PF

HDTV Broadcast Compatible

Our driver flicker rate is less than 2% making RT410FL-Series ready for HDTV broadcasting. Minimization of shadowing and ghosting from our COB light engine is crucial with high FPS video and slow motion replay.

PRODUCT DATA



Input Frequency

IP Rating

Power Factor

Operating Temperature





50HZ | 60HZ

-40°F to 122°F

IP66

0.96





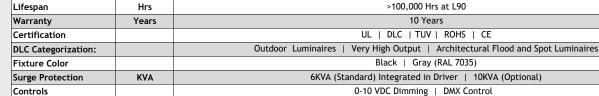








Mid Mast	Mid Mast - 20 to 50 FT Above Grade		RT410FL-160W	RT410FL-200W	RT410FL-260W		
	Wattage	Watts	160	200	260		
	Replaces Existing (HID)	Watts	250 - 400	400 - 750	750 - 1000		
	Light Output	Lumens	20,800	26,000	33,800		
	Fixture Efficacy	Lm / Watt	130	130	130		
	Color Rendering Index	Ra	70-95	70-95	70-95		
	L" X W" X H"	Inches	15.8" X 15.8" X 6.8"	15.8" X 15.8" X 6.8"	15.8" X 15.8" X 6.8"		
TU OP	Fixture Weight	lbs.	22.5	22.5	22.5		
DL C	Driver Weight	lbs.	7.0	7.0	7.0		
	EPA	ft²	1.4	1.4	1.4		
	LED Brand	Brand	Bridgelux or Equal				
	LED Driver	Brand	Inventronics or Equal				
	Innut Voltage	VAC	110νΔC - 277νΔC 347νΔC - 480νΔC				

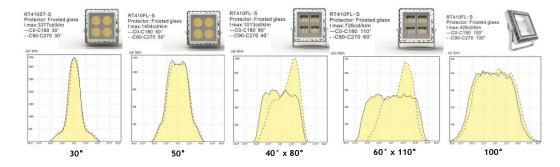


ORDERING INFORMATION

	Model	ССТ	Input Voltage	Beam Angle	Surge Protection	Fixture Color	Controls	Mounting	Driver Location
	RT410FL-160W	40K = 4000K	S = 110 to 277VAC	30 = 30°	6KV = Standard	G = Gray	0 = None	1 = Yoke Bracket	FM = Fixture Mount
	RT410FL-200W	45K = 4500K	H = 347 to 480VAC	50 = 50°	10KV = 10KVA	B = Black	1 = 0-10VDC	2 = 2" Slipfitter	RM = Remote Mount
	RT410FL-260W	50K = 5000K		48 = 40° x 80°			2 = DMX	3 = Top Mount	
		57K = 5700K		611 = 60° x 110°				4= 4" Slipfitter	
				100 = 100°					
Quantity	Example Order Code - RT41	0FL-260W-57K-I	H-30-10KV-G-0-1-FM						

BEAM ANGLES

An Industry First - Multiple Beam Angles in a Single Fixture The RT410FL-Series uses modular reflectors allowing each fixture to be manufactured with more than one beam angle. This is a unique advantage to the M-Series. A single fixture can illuminate far, wide and close which requires fewer fixtures to create higher uniformity.



IMAGES AND DETAILS

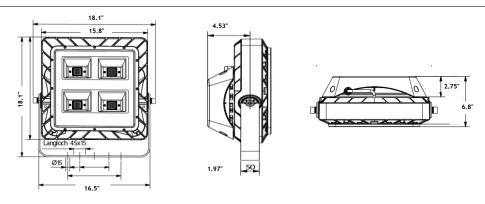


MOUNTING OPTIONS



DIMENSIONS (Inch/mm)





NOTES

- 1. The specifications listed were obtained under optimal testing conditions. Changes in conditions may result in slightly different performance.
- 2. Driver can provide full range dimming capability across a wide array of 0-10V dimming systems. We cannot guarantee compatibility with all dimming control systems from all manufacturers without actual testing.

