

VANGUARD

MODULAR LED FLOOD

75W - 1200W

- Rapid fit optics allow customized distribution for perfect performance
- Unique waterproofing concept provides instant IP-66 rated light engines
- >160 lm/W - designed to meet and exceed industry performance standards
- Rugged UV stabilized power coated finish
- Available in 0-10V and DALI dimming protocols



POWER

Exceptional performance can deliver >200,000 lumens from a single fixture

PRECISION

Rapid fit optics allow for custom distributions

ENGINEERING

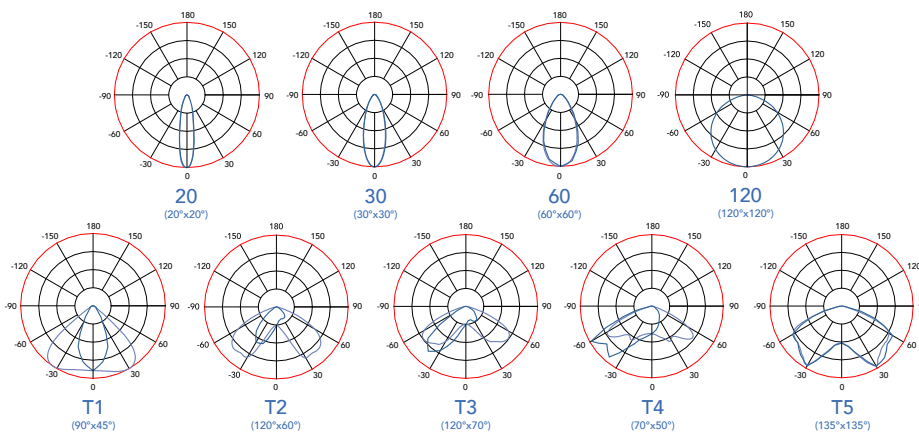
Rugged design and unique waterproofing ensures long term performance in rough environments

ORDERING INFORMATION

EXAMPLE PART #: MFL - 300 - 50K - 60 - V01 - BL - TL - VDIM - NAT - SYN

MFL								
SERIES	WATTS	CCT	OPTICS	INPUT	FINISH	MOUNTING	DIMMING	OPTIONS
MFL	75	40K	20	V01 (100-277V)	BL Black	TL Tilt Bracket	NDIM Non-Dimming	SP10 10kA Surge Protection
	100	50K	30	V04 (347-480V)	WT White	DPM1 Dual Pendant 1/2" NPT	VDIM 0-10V Dimming	SP20 20kA Surge Protection
	150	57K	60			DPM2 Dual Pendant 3/4" NPT	DDIM DALI Dimming	PC Photocell
	200		120			CM Cable Mount Brackets		NAT Natatorium
	300		T1					80CRI >80CRI Chipset
	400		T2					GS Glare Shield
	600		T3					SF14 Slipfitter for 2-3/8" Tennon
	800		T4					SYN Synapse Wireless Control
	1000		T5					
	1200							

OPTICS



LUMEN CHART

	40K	50K	57K
75W	12,284 lm	12,534 lm	12,790 lm
100W	16,988 lm	17,334 lm	17,688 lm
150W	23,968 lm	24,457 lm	24,956 lm
200W	33,975 lm	34,668 lm	35,376 lm
300W	49,418 lm	50,427 lm	51,456 lm
400W	67,950 lm	69,337 lm	70,752 lm
600W	98,837 lm	100,854 lm	102,912 lm
800W	135,900 lm	138,674 lm	141,504 lm
1000W	169,876 lm	173,342 lm	176,880 lm
1200W	197,673 lm	201,708 lm	205,824 lm

Due to continuous improvement and innovation, product appearance and specifications may change without notice. Actual performance may differ as a result of end-user environment and application.

Typical delivered lumen data is approximate. Actual lumens will vary due to installation environment and beam pattern. Please see IES files.

VANGUARD

75W-1200W

SPECIFICATIONS

Expected Life | >100,000 Hours
IP Rating | IP66, NEMA 4X
Ambient Operating Temp | -40°C to +40°C
Color Rendering Index (CRI) | >70, >80 Avail.
Input Line Voltage | 100-277VAC, 347-480VAC
Input Line Frequency | 50/60Hz
Power Factor | >0.9
THD | <15%
LED Chips | Lumileds
Driver | Mean Well / Inventronics
Weight | See Table
EPA | See Table

LISTINGS & RATINGS

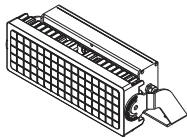
Safety | ETL Listed to UL 1598, UL 1598A, UL 8750
Ingress | IP66
NEMA Rating | 4X
FCC Compliant | 47 CFR FCC Part 15 Subpart B

MATERIALS

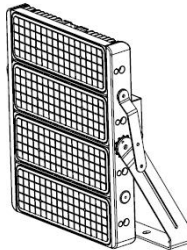
Heat Sink | A380 Alloy ADC12
Housing | A380 Alloy ADC12
Hardware | Stainless Steel
Finish | UV Stabilized Polyester Powder Coat
Lens | Optical Grade Polycarbonate
Driver | Mean Well / Inventronics
NAT Option | Natatorium Rated fixture includes stainless steel exposed hardware and powder coated stainless steel mounting bracket

PRODUCT DRAWINGS

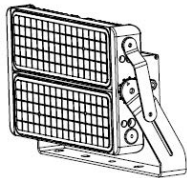
MFL-75/100
(1 Module)



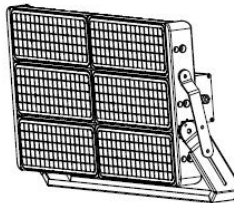
MFL-400
(4 Module)



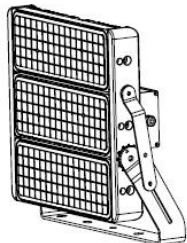
MFL-150/200
(2 Module)



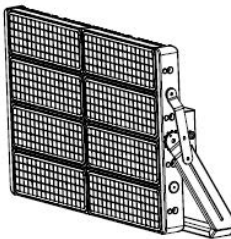
MFL-600
(6 Module)



MFL-300
(3 Module)



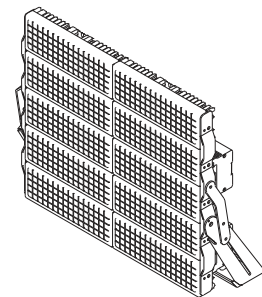
MFL-800
(8 Module)



PHYSICAL PROPERTIES

	WEIGHT	DIMENSIONS	MAX EPA (FT ²)
75W	8.4 lb	6 x 12.9 x 5 in	0.5
100W	8.4 lb	6 x 12.9 x 5 in	0.5
150W	13.7 lb	4.8 x 15 x 10.2 in	1.3
200W	13.7 lb	4.8 x 15 x 10.2 in	1.3
300W	18.5 lb	4.8 x 15 x 14.5 in	1.8
400W	24.7 lb	7 x 15 x 18.3 in	2.3
600W	32.6 lb	4.9 x 26.8 x 14.5 in	3.2
800W	45.2 lb	7.1 x 26.8 x 18.2 in	4.1
1000W	56.0 lb	8 x 27.2 x 22.3 in	5.1
1200W	67.0 lb	10.2 x 27.2 x 26.1 in	5.9

MFL-1000
(10 Module)



MFL-1200
(12 Module)

