

UltraFlood™ Series 77

Heavy Duty Floodlight

400-1000W HPS; 400-1000W MH

PRODUCT OVERVIEW



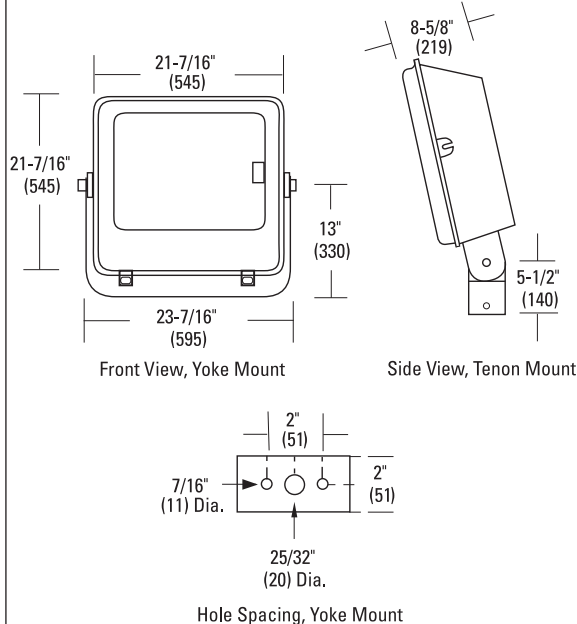
Features:

- NEMA beam patterns available in a variety of options with horizontal lamp
- Rugged die-cast aluminum housing is powder-coated for durability and corrosion resistance
- Door is hinged and easily removable for quick maintenance
- Fully pivoting painted yoke is standard, tenon and galvanized yoke mounting options are available for precise aiming
- UL listing is standard
- For easy maintenance, tool-less entry is available
- Suitable for -30°C MH / -40°C HPS
- Lens is thermal shock and impact resistant tempered glass
- All electrical components warranted by American Electric Lighting's 6-year guarantee

Applications:

- | | |
|------------------|------------------|
| Auto dealerships | Shopping centers |
| Schools | Parking lots |
| Churches | Substations |
| Industrial sites | Building facades |

DIMENSIONS



Effective Projected Area (EPA)

The EPA for the UltraFlood™ Series 77 is 3.97 sq. ft.
Approx. Wt. = 65 lbs.

PREFERRED SELECTION CATALOG NUMBERS

- 77 X1M CA MT1 76 0443 TL NL
- 77 X1M CA MT1 76 TM TL NL
- 77 X1S CA MT1 66 0443 TL NL
- 77 X1S CA MT1 66 TM TL NL

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ORDERING INFORMATION

Example: 77 XIM CA MT7 76 TM

Series	Wattage / Source	Ballast	Voltage	NEMA Beam Pattern
77 UltraFlood	40 400W ¹ S HPS 75 750W M MH ² X1 1000W ⓔ See ballast matrix for EISA compliant options	RN Reactor Normal Power Factor RH Reactor High Power Factor XN High Reactance (Lag) Normal Power Factor XH High Reactance (Lag) High Power Factor CA CWA (Auto Reg) ² CT CWI SC SCWA MR Mag Reg (3 Coil)	120 120V 208 208V 240 240V 277 277V 347 347V 480 480V MT1 Multi-tap Wired 120V MT2 Multi-tap Wired 240V MT7 Multi-tap Wired 277V TT3 Tri-tap Wired 347V DT2 Dual Tap 120/240 wired 240 5T4 5 Tap Wired 480V	<i>Horizontal Lamp</i> 65 6H x 5V 66 6H x 6V 76 7H x 6V <i>Refer to optic distribution matrix below for compatibility.</i>

Options

Mounting

(blank)	Yoke Mount (standard) ³
YG	Yoke Galvanized
TM	Tenon slipfitter ³

<u>Fusing</u> ⁸	
SF	Single Fuse (120, 277, 347V)
DF	Double Fuse (208, 220, 240, 480V)

Paint⁴

(blank)	Bronze (standard)
BK	Black
DDB	Dark Bronze
GY	Gray
WH	White

<u>Cord Length</u> ⁵		<u>Cord Type</u> ⁶	
04	4'	63	16-3
05	5'	44	14-4 ⁹
06	6'	43	14-3
08	8'	23	12-3
10	10'	PW	Pre-wire (Slip fitter only)
12	12'		
15	15'		

Terminal Block⁵

(blank)	Hard wired (standard)
TB	Terminal Block
T2	Wired to L1 and L2
T3	3 Wire Operation (L1, N, L2 Position) ⁶

<u>Misc.</u>	
TL	Tool Less Entry
PC	Photocontrol Included per Voltage Specified ⁷
SS	Stainless Steel fasteners (external)
NL	NEMA Label
SH	Shorting Cap ⁷

Listing

(blank)	UL Listed (standard)
CS	CSA Certified
XL	No Listing

Photocontrol Receptacle

(blank)	Photocontrol Receptacle (standard)
NR	No Photocontrol Receptacle ⁷

Lamp

LC	Lamp Included, Clear
LD	Lamp Included, Deluxe

Notes:

- When ordered with metal halide, these wattages do not comply with California Title 20 regulations.
- CA ballast is not available with 175W - 400W metal halide in the U.S.; must use SC
- Painted to match fixture
- Other colors available, please contact your local American Electric Lighting representative
- VOIDS UL and CSA listing
- Available with 240, 480, MT2, DT2, DT4, 5T2 and 5T4 voltages only; requires cord type 44 when a cord option is selected
- PC and SH not available with NR option
- VOIDS UL and CSA listing; not available in MT, TT, and DT voltages
- For 3-wire operation and ground; requires T3 option

Optic Distribution

	65	66	76
40S	◆	◆	◆
40M	◆	◆	◆
75S	◆	◆	◆
75M	◆	◆	◆
X1S	◆	◆	-
X1M	-	-	◆

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BALLAST MATRIX

Series 77

Watts	120	208	220	240	277	347	480	DT1	DT2	DT3	DT4
40S	CA,CT,MR,XH,XN	CA,CT	RN,RH	CA,CT,RH,RN,MR	CA,CT	CA	CA,MR	CA,CT,MR,XH,XN	CA,CT,MR,XH,XN	MR	MR
40M	SC	SC	-	SC	SC	-	SC	SC	SC	SC	SC
75S	CA	CA	-	CA	-	-	-	CA	CA	-	-
75M	SC	SC	-	SC	SC	SC	SC	SC	SC	-	-
X1S	CA,CT	CA,CT	-	CA,CT	CA,CT	-	CA,CT	CA,CT	CA,CT	-	-
X1M	CA,SC	CS,SC	-	CA,SC	CA,SC	CA,SC	CA,SC	CA,SC	CA,SC	-	-

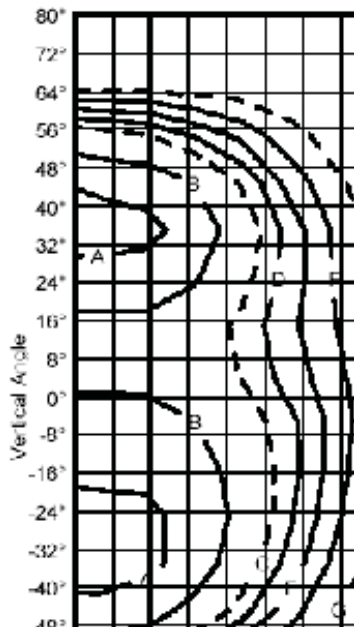
Series 77 continued

Watts	MT1	MT2	MT7	MT8	TT1	TT2	TT3
40S	CA,CT	CA,CT	CA,CT	CA,CT	CA	CA	CA
40M	SC	SC	SC	SC	-	-	-
75S	-	-	-	-	-	-	-
75M	SC	SC	SC	SC	SC	SC	SC
X1S	CA	CA	CA	CA	-	-	CA
X1M	CA,SC	CA,SC	CA,SC	CA,SC	CA,SC	CA,SC	CA,SC

PHOTOMETRICS

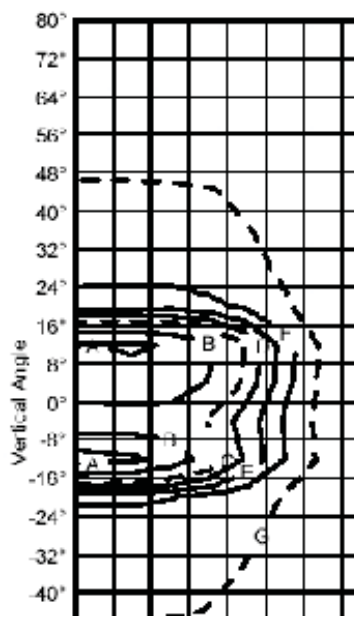
77 X1S 66

Isointensity Plot



77 X1S 65

Isointensity Plot



	Horizontal A
A =	90
B =	70
C =	50
D =	40
E =	30
F =	20
G =	10

Maximum Intensity
 1/2 Maximum Intensity

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