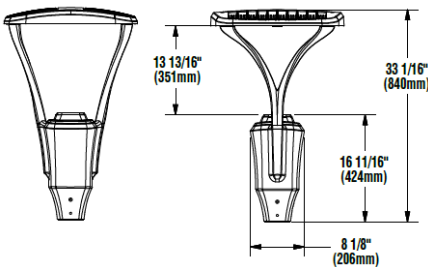
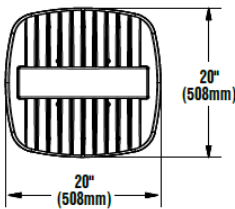


MPL SERIES LED AREA



DIMENSIONS



SPECIFICATIONS

OPTICAL SYSTEM

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 5W, FT and FTA.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Available in 5000K, 4000K, 3000K, and 2700K color temperatures per ANSI C78.377. Optional 5700K CCT available in 90CRI only.
- Minimum CRI of 70. Optional 80 and 90 CRI available, consult factory for lead time.
- Integral Louver (IL) option available for improved back-light control without sacrificing street side performance.
- Minimal uplight with less than 5% of the total lumen output going above 90D.

ELECTRICAL

- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L92 Calculated Life: >100k Hours (See Lumen Maintenance on Page 2)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 72L Package is limited to 40°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards.
- Internal power supplies and controls can be serviced via (2) integral fitter removable power trays.

CONSTRUCTION

- Rugged die-cast aluminum optical housing, cage, and fitter. Fitter contains factory pre-wired drivers and optional controls.
- Complete die-cast aluminum construction for maximum quality and surface finish.
- 1-PC die-cast aluminum cage with wire passages allows for IP66 full luminaire rating to protect integral components from harsh environments.
- Luminaire is proudly manufactured in the U.S. of U.S. and imported parts.
- 3G rated for ANSI C136.31 high vibration applications
- Fixtures are finished with WLS's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard finishes available. Consult factory.
- Shipping weight: 60 lbs in carton.

CONTROLS

Stand-Alone Controls

- The 7-pin ANSI C136.41-2013 photocontrol receptacle option (CR7P) is available for twist lock photocontrols or wireless control modules.

INSTALLATION

- Designed to mount to 2-3/8"-3" OD x 3" to 4-1/2" tall tenon.
- Secures to tenon with 8 stainless steel set screws.
- 6' wire leads with strain relief zip-ties are provided in fitter for ease of wiring.

WARRANTY

- WLS LED Fixtures carry a 5-year warranty.

LISTINGS

- Listed to UL 1598 and UL 8750.
- RoHS Compliant.
- American Recovery and Reinvestment Act Funding Compliant.
- Suitable For wet Locations.
- IP66 rated Luminaire. IP66 rated optical chamber.
- 3G rated for ANSI C136.31 high vibration applications



Made in the U.S.A. of the U.S. and imported parts.
Meets Buy American requirements for ARRA.



IP66



ARRA
Funding Compliant



Project Name: _____

Date: _____

Location: _____

Notes: _____

MPL SERIES LED AREA

ORDERING INFORMATION SELECT APPROPRIATE CHOICE FROM EACH COLUMN TO FORMULATE ORDER CODE.

Refer to example below.

PRODUCT	LIGHT SOURCE	LUMEN PACKAGE ⁵	LIGHT OUTPUT	DISTRIBUTION	VOLTAGE	DRIVER	COLOR TEMPERATURE
MPL	LED	35L 35,000 lm 45L 45,000 lm 55L 55,000 lm 65L 65,000 lm 72L 72,000 lm	SIL Silicone	2 Type 2 3 Type 3 5W Type 5 Wide FT Forward Throw FTA Forward Throw Automotive	UNV Universal Voltage (120-277V) HV High Voltage (347-480V)	DIM 0-10V Dimming (0-10%)	27 2,700 CCT1 30 3,000 CCT1 40 4,000 CCT 50 5,000 CCT 57 ^{1,4} 5,700 CCT

ORDER:

WLS-MPL	LED		SIL			DIM	
---------	-----	--	-----	--	--	-----	--

COLOR RENDERING	CONTROLS (CHOOSE ONE)	FINISH	OPTIONS
70CRI 70 CRI 80CRI ¹ 80 CRI 90CRI ^{1,4} 80 CRI	(Blank) None Stand-Alone Controls EXT 0-10v Dimming (from external signal) CR7P ² 7 Pin Control Receptacle ANSI C136.41	BRZ Bronze BLK Black GPT Graphite MSV Metallic Silver WHT White PLP Platinum Plus SVG Satin Verde Green	(Blank) None IL ³ Integral Louver HSS

ORDER:

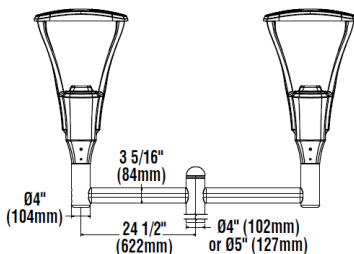
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Example: WLS-MPL-LED-55L-SIL-5W-HV-DIM-40-90CRI-EXT-BLK-IL

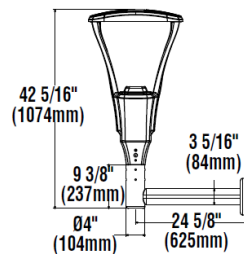
FOOTNOTES:

- | | |
|--|--|
| 1 Consult Factory for availability. | 3 Not available in 5W distribution |
| 2 Control device must be ordered separately. 7 pin standard. See Accessory Ordering Information. | 4 Only available in 5700K 90CRI |
| | 5 Consult factory for programmable wattages and lumen packages |

ELECTRICAL DATA							
Lumens	Watts	120V	208V	240V	277V	347V	480V
35L	294	2.5A	1.4A	1.2A	1.1A	0.8A	0.6A
45L	406	3.4A	2.0A	1.7A	1.5A	1.25A	0.8A
55L	488	4.1A	2.3A	2.0A	1.8A	1.4A	1.0A
65L	589	4.9A	2.8A	2.5A	2.1A	1.7A	1.2A
72L	649	5.4A	3.1A	2.7A	2.3A	1.9A	1.4A



BK MPT BO Mount
Optional D180 1.5G rated Arm Assembly Mounts to 4" or 5" Dia. D180 Bolt-on Pole Consult factory for alternate configurations



WM Wall Mount Bracket
1.5G rated Wall Mount Arm mounts to standard 4" steel J-Box (Supplied by others) and is provided with masonry anchors for extra support.



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MPL SERIES LED AREA

DELIVERED LUMENS*															
Lumen Package	Distribution	CRI	2700 CCT			3000K CCT			4000K CCT			5000K CCT			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
35L	2	70	33219	113	B4-U5-G4	36293	123	B4-U5-G4	38755	132	B5-U5-G4	38932	132	B5-U5-G4	294
	2 - IL	70	19020	65	B1-U4-G2	20781	71	B1-U4-G2	22190	75	B1-U4-G2	22291	76	B2-U4-G2	
	3	70	33848	115	B3-U4-G4	36981	126	B4-U4-G4	39489	134	B4-U5-G5	39669	135	B4-U5-G5	
	3 - IL	70	20989	71	B1-U4-G3	2932	78	B1-U4-G4	24487	83	B1-U4-G4	24599	84	B1-U4-G4	
	5W	70	32454	110	B5-U4-G3	35458	121	B5-U4-G4	37863	129	B5-U4-G4	38036	129	B5-U5-G4	
	FT	70	33819	115	B4-U4-G4	36950	126	B4-U5-G5	39456	134	B4-U5-G5	39636	135	B4-U5-G5	
	FT - IL	70	19479	66	B1-U4-G3	21282	72	B1-U4-G4	22726	77	B1-U4-G4	22830	78	B1-U4-G4	
	FTA	70	33573	114	B4-U5-G4	36680	125	B4-U5-G4	39168	133	B4-U5-G4	39347	134	B4-U5-G4	
FTA - IL	70	21992	75	B2-U4-G2	24027	82	B2-U5-G4	25657	87	B2-U5-G3	25774	88	B2-U5-G3		
45L	2	70	42875	106	B5-U5-G4	46843	115	B5-U5-G4	50020	123	B5-U5-G4	50249	124	B5-U5-G4	406
	2 - IL	70	24549	61	B2-U4-G3	26821	66	B2-U4-G3	28640	71	B2-U4-G3	28771	71	B2-U4-G3	
	3	70	43687	108	B4-U5-G5	47730	118	B4-U5-G5	50968	126	B4-U5-G5	51201	126	B4-U5-G5	
	3 - IL	70	27090	67	B2-U4-G4	29597	73	B2-U4-G4	31605	78	B2-U4-G4	31749	78	B2-U4-G4	
	5W	70	41888	103	B5-U5-G4	45765	113	B5-U5-G4	48869	120	B5-U5-G4	49092	121	B5-U5-G4	
	FT	70	4350	108	B4-U5-G5	47690	118	B4-U5-G5	50925	126	B4-U5-G5	51158	126	B4-U5-G5	
	FT - IL	70	25142	62	B1-U4-G4	27469	68	B1-U4-G4	29332	72	B2-U4-G4	29466	73	B2-U4-G4	
	FTA	70	43331	107	B4-U5-G4	47342	117	B4-U5-G4	50553	125	B4-U5-G4	50784	125	B4-U5-G4	
FTA - IL	70	28384	70	B2-U5-G3	31012	76	B2-U5-G3	33115	82	B2-U5-G3	33266	82	B2-U5-G3		
55L	2	70	49898	102	B5-U5-G4	54517	112	B5-U5-G4	58215	119	B5-U5-G4	58481	120	B5-U5-G4	589
	2 - IL	70	28570	59	B2-U4-G3	31215	64	B2-U5-G3	33332	68	B2-U5-G3	33484	69	B2-U5-G3	
	3	70	50844	104	B4-U5-G5	55550	114	B4-U5-G5	59317	122	B4-U5-G5	59588	122	B4-U5-G5	
	3 - IL	70	31528	65	B2-U4-G4	34446	71	B2-U4-G5	36783	75	B2-U4-G5	36951	76	B2-U4-G5	
	5W	70	48750	100	B5-U5-G4	53262	109	B5-U5-G5	56875	116	B5-U5-G5	57135	117	B5-U5-G5	
	FT	70	50801	104	B4-U5-G5	55503	114	B4-U5-G5	59268	121	B5-U5-G5	59539	122	B5-U5-G5	
	FT - IL	70	29261	60	B2-U4-G4	31969	65	B2-U4-G5	34137	70	B2-U4-G5	34293	70	B2-U5-G5	
	FTA	70	50430	103	B4-U5-G4	55098	113	B5-U5-G4	58835	121	B5-U5-G5	59104	121	B5-U5-G5	
FTA - IL	70	33034	68	B2-U5-G3	36092	74	B2-U5-G3	38540	79	B2-U5-G3	38716	79	B2-U5-G3		
65L	2	70	56894	97	B5-U5-G4	32161	106	B5-U5-G5	66377	113	B5-U5-G5	66680	113	B5-U5-G5	589
	2 - IL	70	32576	55	B2-U5-G3	35591	60	B2-U5-G4	38005	65	B2-U5-G4	38179	65	B2-U5-G4	
	3	70	57972	99	B4-U5-G5	63338	108	B4-U5-G5	67634	115	B5-U5-G5	67943	115	B5-U5-G5	
	3 - IL	70	35948	61	B2-U4-G5	39276	67	B2-U4-G5	41940	71	B2-U5-G5	42131	72	B2-U5-G5	
	5W	70	55585	94	B5-U5-G5	60730	103	B5-U5-G5	64849	110	B5-U5-G5	65145	111	B5-U5-G5	
	FT	70	57923	98	B5-U5-G5	63285	108	B5-U5-G5	67577	115	B5-U5-G5	67886	115	B5-U5-G5	
	FT - IL	70	33363	57	B2-U4-G5	36451	62	B2-U5-G5	38923	66	B2-U5-G5	39101	66	B2-U5-G5	
	FTA	70	57501	98	B5-U5-G5	62823	107	B5-U5-G5	67084	114	B5-U5-G5	67391	115	B5-U5-G5	
FTA - IL	70	37666	64	B2-U5-G3	41152	70	B2-U5-G3	43943	75	B3-U5-G3	44144	75	B3-U5-G3		
72L	2	70	59989	92	B5-U5-G4	65541	101	B5-U5-G5	69987	108	B5-U5-G5	70307	108	B5-U5-G5	649
	2 - IL	70	34348	53	B2-U4-G3	37527	58	B2-U5-G3	40072	62	B2-U5-G4	40256	62	B2-U5-G4	
	3	70	61125	94	B4-U5-G5	66783	103	B5-U5-G5	71312	110	B5-U5-G5	71638	110	B5-U5-G5	
	3 - IL	70	37903	58	B2-U4-G5	41412	64	B2-U5-G5	44221	68	B2-U5-G5	44423	68	B2-U5-G5	
	5W	70	58608	90	B5-U5-G5	64033	99	B5-U5-G5	68376	105	B5-U5-G5	68688	106	B5-U5-G5	
	FT	70	61074	94	B5-U5-G5	66727	103	B5-U5-G5	71253	110	B5-U5-G5	71578	110	B5-U5-G5	
	FT - IL	70	35177	54	B2-U5-G5	38434	59	B2-U5-G5	41040	63	B2-U5-G5	41228	64	B2-U5-G5	
	FTA	70	60628	93	B5-U5-G5	66240	102	B5-U5-G5	70733	109	B5-U5-G5	71056	110	B5-U5-G5	
FTA - IL	70	39714	61	B2-U5-G3	43390	67	B2-U5-G3	46333	71	B3-U5-G3	46545	74	B3-U5-G3		



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Specifications subject to change without notice.