

**EXTERIOR LIGHT FIXTURE SCHEDULE**

ALL ITEMS LISTED ON THE "LIGHT FIXTURE SCHEDULE" WILL BE SUPPLIED BY THE OWNER (O'REILLY), ITEMS SHALL BE DIRECT ORDERED AND OR RELEASED FROM EQUIPMENT DISTRIBUTOR. GRAYBAR ELECTRIC CO. INC. 11885 LACKLAND ROAD ST. LOUIS, MO 63148 oreilly@graybar.com TOLL FREE: (314) 573-2080 GRAYBAR O'REILLY TEAM EMAIL:

MARK	MFR.	CATALOG NUMBER	SUPPLY VOLTAGE	FINISH	MOUNTING			LAMPS		WATTAGE	NOTES	FIXTURE QUANTITY	LUMEN PACKAGE	COLOR TEMP	MOUNTING HEIGHT	LIGHT LOSS FACTOR
					SURFACE WALL	SURF. CEILING	OTHER	FLUORESCENT	OTHER							
<b>LED EXTERIOR LIGHTS 09-04-19</b>																
WS1	LSI	XWM-FT-LED-08L-50-LE-MSV-ALSC	120	METALLIC SILVER	X		X			59	FULL CUT-OFF, BUG RATING B1-U0-G1. ARCHITECTURAL ELEVATIONS SHOW DIMENSIONED LOCATIONS. AIR LINK SYNAPSE INTEGRATED CONTROLLER.	7	5,600	5,000K	12'	0.98
<b>LED POLE LIGHTS 09-04-19</b>																
P1	LSI-LIGHT	MRM-LED-18L-SL-FT-UNV-DM-50-80CR-MSV-L-ALSC	120	METALLIC SILVER		X	X			154	25' POLE LENGTH, ADVANCE BALLASTS, FULL CUT-OFF, NO SUBSTITUTIONS. ANCHOR BOLTS W/HARDWARE & TEMPLATE. WITH INTERNAL LOUVER HOUSE SIDE SHIELD. BUG RATING B2-U0-G3, AIR LINK SYNAPSE INTEGRATED CONTROLLER.	5	18,000 IMS	5,000 CCT	27'-6"	0.96
P2	LSI-LIGHT	MRM-LED-24L-SL-FT-UNV-DM-50-80CR-MSV-ALSC	120	METALLIC SILVER		X	X			154	25' POLE LENGTH, ADVANCE BALLASTS, FULL CUT-OFF, NO SUBSTITUTIONS. ANCHOR BOLTS W/HARDWARE & TEMPLATE. WITH INTERNAL LOUVER HOUSE SIDE SHIELD. BUG RATING B2-U0-G3, AIR LINK SYNAPSE INTEGRATED CONTROLLER.	2	24,000 IMS	5,000 CCT	27'-6"	0.96
<b>EXTERIOR LIGHTING CONTROLLER 09-04-19</b>																
ELC	AIR LINK	ALSCM WIFI REQUIRES ETHERNET CONNECTION	LOCATE CONTROLLER INSIDE THE STORE, ON TELEPHONE BOARD OR NEAR ELECTRICAL GEAR. PROGRAM CONTROLLER SO THAT EXTERIOR LIGHTS TURN ON TO FULL POWER [CONTROLLED BY GRID POINT ENERGY MANAGEMENT SYSTEM (EMS)], DIM TO 50% 30 MINUTES AFTER THE STORE CLOSES, AND SHUTS OFF WITH THE EMS. E.C. RESPONSIBLE FOR POWER CIRCUIT REQUIRED BY THE AIR LINK CONTROLLER. DERIVE POWER FROM NEAREST 120V, UNSWITCHED CIRCUIT (VERIFY EXACT POWER REQUIREMENTS WITH MANUFACTURER). COORDINATE FINAL REQUIREMENTS AND RESPONSIBILITIES WITH MANUFACTURER VERIFY FINAL HOURS OF OPERATION WITH OWNER PRIOR TO PROGRAMMING.													
	LSI	ABKIT 1225850 MSV FINISH														
	LSI	KIT BCVR SBC MSV														
	LSI	ALSC COMM RMT														
	LSI	RMT ACCESS														
	LSI	ALCY USB														

**BACKLIGHT-UPLIGHT-GLARE (BUG) RATING / FULL CUTOFF**

SEE CUT-SHEET ON SP SHEETS AND SCHEDULE BELOW FOR EXTERIOR LIGHT FIXTURES. ALL OF THE LSI MRM & XWM LED FIXTURES HAVE ZERO UPLIGHT AND ARE CONSIDERED "FULL CUT OFF" AND DARKSKY COMPLIANT. SP SHEETS AND BELOW DELIVERED LUMENS SCHEDULE HAS "BUG" RATINGS, AS TESTED TO IDENTIFY HOW MUCH OF THE LIGHT GOES BACKWARDS, UPWARDS AND TO THE GROUND. THE CHART SHOWS THAT THESE FIXTURES HAVE BUG RATINGS WITH (UPLIGHT) U = 0.

Model	Fixture Lumens	Fixture Watts	Lumens/Watt	IES Class	Long. Class	BUG Rating
XWM-3-LED-08-20	8,571	54	157	Type III	Medium	B1-U0-G2
XWM-FT-LED-08-30	6,933	54	128	Type IV	Short	B1-U0-G2

**AUTOMATIC LIGHTING CONTROL**

COMPLIANCE WITH ENERGY CODE IS ACHIEVED BY:  
 1. ONCE THE EMS HAS BEEN PROGRAMMED, THE INTERIOR AND EXTERIOR LIGHTS WILL TURN ON AND OFF USING THE FOLLOWING LOGIC: SEE EM SHEETS.  
 INTERIOR WORK LIGHTS WILL TURN ON WITH FIRST MOTION IN THE STORE AND WILL TURN OFF 15 MINUTES AFTER LAST MOTION ONCE THE STORE IS CLOSED.  
 INTERIOR SALES LIGHTS WILL TURN ON AT STORE OPENING AND TURN OFF 15 MINUTES AFTER STORE CLOSING.  
 EXTERIOR SIGN LIGHTS WILL TURN ON WHEN IT'S DARK ENOUGH OUTSIDE ANYTIME DURING STORE HOURS, AND WILL TURN OFF AT STORE CLOSING.  
 EXTERIOR SITE LIGHTS WILL TURN ON WHEN IT IS DARK ENOUGH OUTSIDE AND IT IS WITHIN STORE HOURS. 30 MINUTES AFTER STORE IS CLOSED THE EXTERIOR LIGHTING SHALL BE REDUCED BY 50% FOR SECURITY LIGHTING, EXTERIOR WILL TURN OFF WHEN IT IS LIGHT ENOUGH IN THE DAY TIME.  
 FOR NEW CONSTRUCTION LOCATIONS ONLY, THERE IS A TEMPORARY PROGRAM TO KEEP ONLY SIGN (NO SITE LIGHTS OR BUILDING LIGHTING) ON UNTIL MIDNIGHT RATHER THAN THE TIMES INDICATED ABOVE. O'REILLY WILL DISABLE THIS PROGRAM ONE YEAR AFTER STORE OPENING.  
 2. RESTROOMS AND OFFICES: ALL LIGHTING IN THESE AREAS ARE CONTROLLED BY OCCUPANT-SENSING DEVICES.

**Statistics**

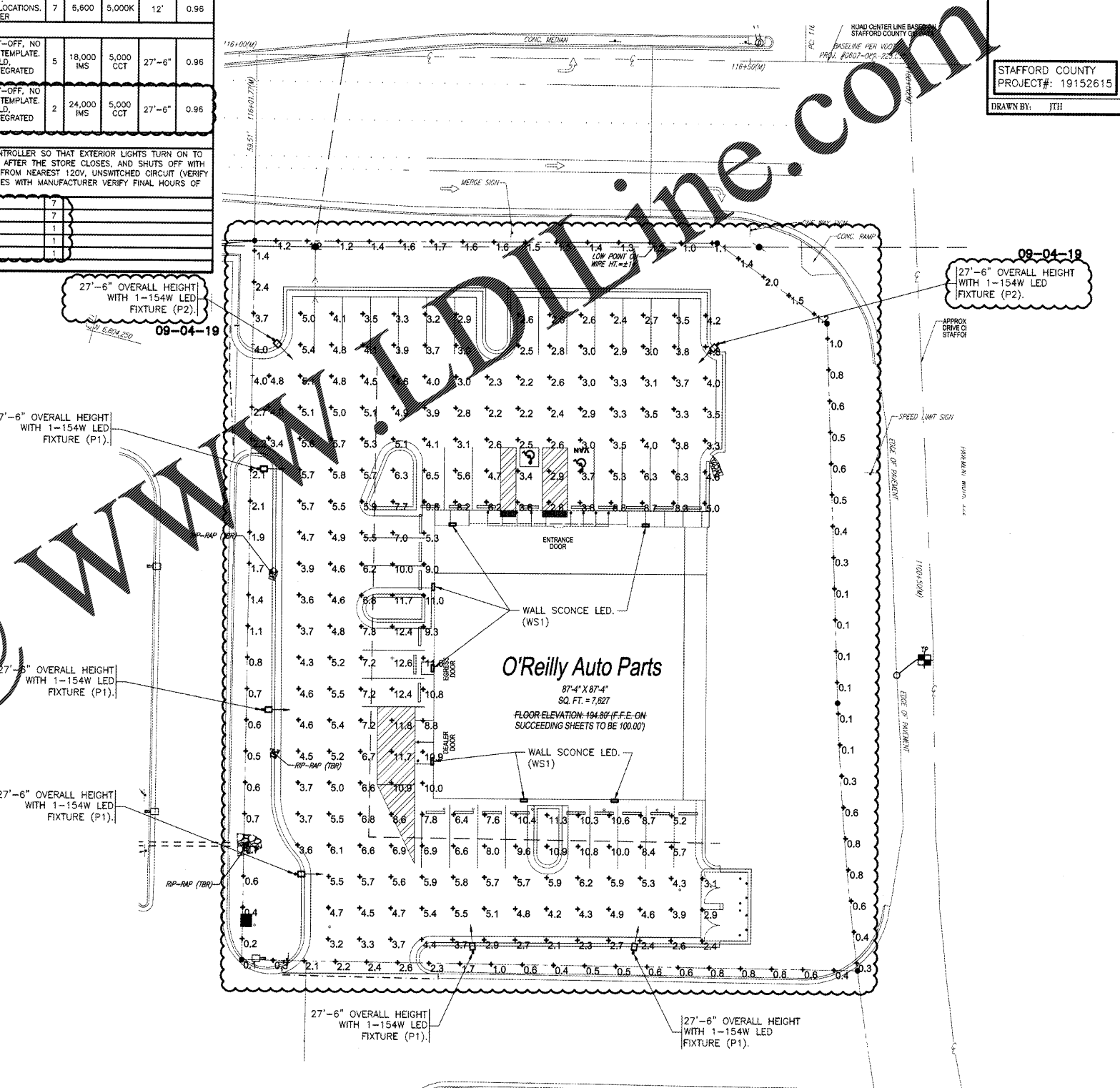
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	Max/Avg
Parking	+	5.4 fc	12.6 fc	2.1 fc	6.0:1	2.6:1	2.4:1
Property	+	1.1 fc	4.3 fc	0.1 fc	N/A	N/A	N/A

**LIGHTING MAINTENANCE**

- REPLACEMENT WITHIN FIVE (5) DAYS OF FAILED LAMPS, ELECTRICAL COMPONENTS, PHOTOCELLS, AND VANDALIZED OR DAMAGED LUMINAIRES.
- REGULAR CLEANING OF LUMINAIRES SHALL BE PERFORMED ANNUALLY.
- SHRUBBERY PRUNING: ALL TREES AND SHRUBS SHALL BE PRUNED REGULARLY SO AS NOT TO BLOCK LIGHT PATHS.
- INSPECTIONS OF ALL LAMPS TO BE PERFORMED AT LEAST MONTHLY DURING HOURS OF DARKNESS. CHECK FOR DIRT OR OBSCURED LENSES, FAILED LAMPS OR HOUSING. PERFORMING THE SPEC STANDARD, TREE LIMBS BLOCKING LIGHT PATHS AND EVIDENCE OF VANDALISM. IN THE CASE OF LARGE PROPERTIES WHERE THERE ARE ON-SITE SECURITY PATROLS, MAINTENANCE PERSONNEL LAMPS SHOULD BE CHECKED NIGHTLY. MAINTENANCE REQUESTS SHOULD BE REPORTED IN PATROL LOGS OR MAINTENANCE REQUEST RECORDS.

**EXTERIOR LIGHTING REQUIREMENTS**

ALL POLE LIGHTING AND WALL SCONCES SHALL REMAIN ON AT 100% FROM DUSK TO 30 MINUTES AFTER CLOSING. POLE LIGHTING AND WALL SCONCES TO BE DIMMED TO 50% 30 MINUTES AFTER CLOSING. SEE EXTERIOR LIGHTING CONTROLLER, ELC, SEE REMARKS IN THE EXTERIOR LIGHT FIXTURE SCHEDULE.

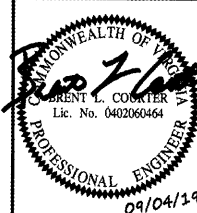


**SITE LIGHTING PHOTOMETRICS**

SCALE: 1" = 20'-0"



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PROJECT:  
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**SITE LIGHTING PHOTOMETRICS**

**O'Reilly AUTO PARTS**  
 CORPORATE OFFICES  
 235 SOUTH PATTERSON  
 SPRINGFIELD, MISSOURI 65802  
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