

SECTION 260650 – LUMINAIRE SCHEDULE

PART 1 - GENERAL

1.1 SUMMARY

- A. This section includes the Luminaire Schedule.
- B. The luminaire manufacturers' catalog numbers scheduled hereinafter in the Luminaire Schedule may not include all the required accessories or hardware that is necessary for a complete installation. Provide all the required accessories or hardware that is necessary for a complete installation.
- C. Furnish luminaries with all associated appurtenances including, but not necessarily limited to, lamps, ballasts, drivers, reflectors, lenses and/or louvers, sockets, holders, suspension accessories, pendants, canopies, recessing boxes, plaster frames, and similar items completely wired, assembled, installed, and tested as specified and in the manner indicated.
- D. Every luminaire symbol shall have a luminaire number unless otherwise directed. In instances where a specific luminaire symbol has not been assigned a luminaire number, provide a complete luminaire of the type and wattage designated for a luminaire symbol of similar function and/or as directed by the Engineer.

1.2 LUMINAIRE SCHEDULE INTERPRETATION

- A. The first name luminaire manufacturer and catalog number is the Basis of Design for the intended usage. Additional luminaire manufacturers and catalog series of luminaries listed in the Luminaire Scheduled or added thru addenda are approved equals and may be subject to sample review, footcandle layout for rooms utilizing luminaire and/or a mock-up for Engineer review before final approval will be given.

1.3 MAINTENANCE MATERIALS

- A. Provide 2 of each special tool required for maintenance.

PART 2 - PRODUCTS

2.1 LUMINAIRE SCHEDULE

- A. Refer to Luminaire Schedule attached to the following pages.

PART 3 - EXECUTION – NOT USED

SECTION 260650 - LUMINAIRE SCHEDULE

Mark	Manufacturer	Catalog Number	Description	Volts	Lamps			Driver		Mtg.	Mtg. Height	Notes
					No.	Watts	Type/ Lumens	No.	Type			
OC1	SLG Lighting Barron Lighting ILP CGF	CSC-LS1-G1-FSK-XX ECX Series VCS Series CS10-S Series	LED Canopy Fixture	UNV	1	25	LED 4000	1	DLD	SC		6,13,14
OF1	Kirlin	LWR-09490-3500L-277-XX-50K-XX	LED Flagpole Spotlight	UNV	1	42.6	LED 3926	1	DLD	PM	See Notes	6,9
OP1	LSI NLS Lithonia McGraw-Edison Gardco	MRS-LED-18L-SIL-4-UNV-DIM-30- 70CRI-IMSBT2L-XX NV-1 Series RSX1 Series GLEON Series OPF-S Series	LED Single Head Pole Mount Site Light w/ Integral Motion Sensor – Type 4 Distribution	UNV	1	135	LED 17101	1	DLD	PM	25'-0"	6,10,13
OP2	LSI NLS Lithonia McGraw-Edison Gardco	(2) MRS-LED-18L-SIL-4-UNV-DIM-30- 70CRI-IMSBT2L-XX NV-1 Series RSX1 Series GLEON Series OPF-S Series	LED Dual Head Pole Mount Site Light w/ Integral Motion Sensor – (2) Type 4 Distribution @ 180-degrees	UNV	1	270	LED 34202	1	DLD	PM	25'-0"	6,10,13
OP3	LSI NLS Lithonia McGraw-Edison Gardco	MRS-LED-06L-SIL-3-UNV-DIM-30- 70CRI-IMSBT1L-XX NV Series RSX1 Series GLEON Series OPF-S Series	LED Single Head Pole Mount Site Light w/ Integral Motion Sensor - Type 3	UNV	1	39	LED 6016	1	DLD	PM	15'-0"	6,11,13
OP4	LSI NLS Lithonia McGraw-Edison Gardco	MRS-LED-06L-SIL-FT-UNV-DIM-30- 70CRI-IMSBT1L-XX NV-1 Series RSX1 Series GLEON Series OPF-S Series	LED Single Head Pole Mount Site Light w/ Integral Motion Sensor – Forward Throw Distribution	UNV	1	39	LED 5822	1	DLD	PM	15'-0"	6,11,18

Mark	Manufacturer	Catalog Number	Description	Volts	Lamps			Driver		Mtg.	Mtg. Height	Notes
					No.	Watts	Type/ Lumens	No.	Type			
OW1	Beacon Gardco McGraw-Edison Lithonia NLS	VPW-1-24L-10-3K7-4W-UNV-XX 121 Series ISC Series WST Series NV-W Series	Exterior LED Wall-Mount Fixture w/ Type 4 Distribution	UNV	1	10	LED 964	1	DLD	SW	See Notes	6,7,8, 13
OW2	Beacon Gardco McGraw-Edison Lithonia NLS	VPW-2-48L-35-3K7-4F-UNV-XX 121-16L-700-NW-G4-3-UNV-DD-XX ISC Series WST Series NV-W	Exterior LED Wall-Mount Fixture w/ Type 4 Distribution	UNV	1	35	LED 4536	1	DLD	SW	See Notes	6,7,8, 13
CH1	Oracle Lithonia Williams Metalux Day-Brite	4-OCL-LED-5000L-DIM10-MVOLT- 35K-85-OVCH ZL1D Series 76R Series SNLED Series FLP Series	4' LED Industrial	UNV	1	37	LED 5253	1	DLD	CH	8'-0" min	1,5
EM1	Lithonia Sure-Lites Compass Evenlite	ELM4L-UVOLT-LTP SELHP Series CU2 Series TEBL5 Series	LED Emergency Lighting Battery Pack w/ Remote Capacity	UNV	2	3.3	LED 320	-	-	SW	7'-0" AFF	
EM2	Lithonia Sure-Lites Compass Evenlite	ELA-T-SD-Q-L0309-M12 SRP Series CIR Series PI Series	LED Emergency Dual Remote Heads - Interior	9.6	2	1.5	LED 200	-	-	SW	7'-0" AFF	
EM3	Lithonia Sure-Lites Compass Evenlite	ELA-T-SD-QWP-L0309-M12 SRP Series COR Series PRW Series	LED Emergency Dual Remote Heads - Exterior	9.6	2	1.5	LED 200	-	-	SW	7'-0" AFF	
EX1	Lithonia Sure-Lites Compass Evenlite	LHQM-LED-R-SD LPXC Series CC Series TCXCOM Series	LED Combination Exit Sign and Emergency Lighting Unit w/ Remote Capacity Battery	UNV	-	-	LED	-	-	SW/SC		2,3

Mark	Manufacturer	Catalog Number	Description	Volts	Lamps			Driver		Mtg.	Mtg. Height	Notes
					No.	Watts	Type/ Lumens	No.	Type			
P1	ILP Columbia Lithonia Metalux Day-Brite	RB5L-26L-U-CCTS-PFL+Cx/5W+ RB5-AC10/SS+RB5L-WG CRN2 Series JEHL Series UHB Series HCY Series	LED High Bay (Indoor Turf Field)	UNV	1	167	LED 24154	1	DLD	AH	Varies	4,6,8
RC1	Williams Lithonia Oracle	BP-2-2-LS-8-C-DIM-UNV CPANL Series 22-FPL-BL-LED Series	2'x2' LED Edgelit Flat Panel	UNV	1	41	LED 4543	1	DLD	RC		12
RC1E	Williams Lithonia Oracle	BP-2-2-LS-8-C-DIM-UNV-EM/8W CPANL Series 22-FPL-BL-LED Series	2'x2' LED Edgelit Flat Panel w/ Emer Battery	UNV	1	41	LED 4543	1	DLD	RC		12
RC2	Williams Lithonia Oracle	BP-2-2-LS-8-C-DIM-UNV-DFK- 2424W CPANL Series 22-FPL-BL-LED Series	2'x2' LED Edgelit Flat Panel w/ Flange Trim Kit	UNV	1	41	LED 4543	1	DLD	RC		12
RC2E	Williams Lithonia Oracle	BP-2-2-LS-8-C-DIM-UNV-DFK- EM/8W-2424W CPANL Series 22-FPL-BL-LED Series	2'x2' LED Edgelit Flat Panel w/ Emer Battery & Flange Trim Kit	UNV	1	41	LED 4543	1	DLD	RC		12

Driver & Ballast Legend	
Symbol	Description
DLD	Dimming LED Driver, 0-10 volts.
LD	LED driver.
1LE	One lamp electronic
2LE	Two lamp electronic
3LE	Three lamp electronic
4LE	Four lamp electronic
FD	Fluorescent dimming as specified.
HID	Magnetic HID
DMX	DMX Dimming Driver

Mounting Legend			
Symbol	Description	Symbol	Description
RC	Recessed Ceiling	S	Suspended
RW	Recessed Wall	UC	Under Cabinet
SC	Surface Ceiling	PD	Per Detail on Drawings
SW	Surface Wall	PM	Pole Mounted
CH	Chain Hung	IG	Recessed In-Ground
AH	Aircraft Cable Hung	PT	Pole Top Mounted
P	Pendant	T	Track
WB	Wall Bracket	B	Bollard
SF	Surface Floor		

General Notes	
G1	Check descriptions against catalog numbers. Report any discrepancies prior to submitting a proposal for this work.
G2	Where the listed manufacturer of acceptable substitutes makes more than one grade of the fixture, provide the grade of fixture with equal or better construction, materials and performance as determined by the manufacturer.
G3	Engineer must approve all substitutes prior to bid.
G4	All Recessed 1x4, 2x2 and 2x4 fixtures shall have spring-loaded latches. Cam action (friction) latches are not acceptable.
G5	All drivers/ballasts shall be Universal 120-277 voltage. If universal driver is unavailable, furnish 277 volt type.
G6	Refer to Specifications Sections 265100 and 265600 for additional requirements.
G7	All approved equal pendant manufacturers will be required to submit footcandle layouts to verify they meet the basis of design.
G8	The luminaire schedule was developed with three or more equals to provide a competitive bidding climate. In certain circumstances, some luminaires are deemed proprietary due to local ordinance specifications or performance characteristics where alternate manufacturers cannot meet the requirements of the basis of design. In these cases where it is noted "No substitutions," the electrical distributors shall have the authority to require unit pricing from the manufacturer's representative in order to assemble the most competitive lump sum price for the luminaire package. Manufacturer representatives who fail to comply with this requirement risk changes to the luminaire schedule.

Luminaire Notes	
1	Provide stem/chain size as required.
2	Provide single or double faces as required.
3	Provide all additional mounting accessories for each application.
4	Provide aircraft cable length as required.
5	Provide continuous lengths as shown on the drawings.
6	Architect to select finish of luminaire. Provide color samples with submittals to Architect for review and selection.
7	Locations/Heights shown on Electrical Drawings are approximate. Coordinate exact mounting height and location with Architectural Elevations. Review with Architect before rough-in.
8	Review all field locations with Architect before rough-in.
9	Confirm recommended mounting height with manufacturer based on flag size provided by Owner. Confirm pole diameter at mounting height (tapered pole) with GC/Architect prior to ordering fixtures.
10	Provide 22' aluminum square pole with individual bolt covers. Provide pole base per Detail 8/E-401 on the Drawings to mount pole and luminaires.
11	Provide 12' aluminum square pole with individual bolt covers. Provide pole base per Detail 8/E-401 on the Drawings to mount pole and luminaires.
12	Set adjustable wattage to 40W output and color temperature to 3500K.
13	Basis of Design – Building and Parking Lot fixtures meet the township ordinance requirements. Approved equal manufacturers will be required to submit Approval Drawings to the Township and Engineer showing building and site layout, point by point calculation results and catalog cuts verifying photometric properties of luminaries. Final approval will only be given after these items are submitted.
14	Set adjustable wattage to 25W (4,000 lumen output) and color temperature to 3000K.

END OF SECTION 260650