









---


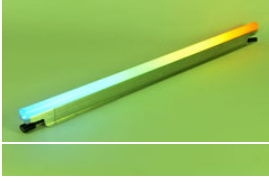

**APPENDIX A | Lighting Schedules and Data**

---

Lighting Schedule: August Wilson Center **Fixtures for Redesign**

TAG	FIXTURE DESCRIPTION	IMAGE	MOUNTING	LAMP	WATTS	VOLTS	LOCATIONS	QTY	Basis of Design Information			REMARKS
									MAN.	CATALOG NO.	BALLAST	
A	Linear Downlight for Track System		Suspended (19'-6")	(2) T5HO GE 46759 - F54W/T5/830/ECO	125	120	Education Room <i>Multi-Purpose Room</i> <sup>1</sup>	20 20	ERCO	Monopole 12412.023	Lutron Hi-lume 3D FDB-T554-120-2	ALT: Advance Mark 10 Powerline: REZ- 254 2 Lamp Dimming
B	Linear Downlight for Track System		Suspended (19'-6")	(1) T5HO GE 46759 - F54W/T5/830/ECO	63	120	Main Staircase Second Level Lobby First Level Lobby	10 20 40	ERCO	Monopole 12404.023	Lutron Hi-lume 3D FDB-T554-120-1	ALT: Advance Mark 10 Powerline: REZ- 154 1 Lamp Dimming
C	Track Head - Flood		Track	T3 Halogen Westinghouse 04775 300T3Q/S/CD	300	120	Main Staircase Second Level Lobby	8 19	ERCO	Jilly Floodlight 77318.023	NA	
D	Track Head - Flood		Track	T4 2-pin Halogen GY6.35 Base Osram - 4050300987231	50	12	First Level Lobby	50	Lightolier	Tangent Micro Flood FXT4F	Integral Transformer for low voltage Halogen	
E	7" Round Downlight		Ceiling Recessed	Triple Tube CFL - Four Pin 32W GE 97630 - F32TBX/830/A/ECO	38	120	Second Level Lobby First Level Lobby	13 15	Lightolier	8022CCLP	Lutron Tu-Wire 2W-T432-120-1	ALT: Advance Mark 10 Powerline: REZ-1T42-M2-BS 1 Lamp Dimming
E1	7" Round Downlight		Ceiling Recessed	Triple Tube CFL - Four Pin 42W GE 97634 - F42TBX/830/A/ECO	49	120	Main Staircase Box Office Meeting Room	4 15 4	Lightolier	8022CCLP	Lutron CompactSE FDB-T442-120-1	ALT: Advance Mark 10 Powerline: REZ-1T42-M2-BS 1 Lamp Dimming
F	Pendant		Suspended (19'-6")	Triple Tube CFL - Four Pin 26W GE 97615 - F26TBX/830/A/ECO	32	120	Second Level Lobby First Level Lobby	5 4	ERCO	87607.023	Lutron Tu-Wire 2W-T426-120-1	
G	Lensed Linear Slot Light		Ceiling Recessed	(2) F28T5 GE 46705 - F28W/T5/835/ECO	70	120	First Level Lobby	2	Zumtobel	SLR2NI-EB-2545- 08-OLP-DH	Lutron Hi-Lume	

H	4" Round Pinhole Adjustable Downlight		Ceiling Recessed	MR16 Halogen GE 16751 - Q50GU10/FL/CD	50	12	Gift Shop First Level Lobby	37 7	Lightolier	C4MR2	NA	
I	4" x 4" Rectangular Recessed Downlight		Ceiling Recessed	Triple Tube CFL - Four Pin - 32W GE 97630 F32TBX/830/A/ECO	38	120	Vestibule Box Office	6 3	Lightolier	Matrix 4x4	Lutron Tu-Wire 2W-T432-120-1	ALT: Advance Mark 10 Powerline: REZ-1T42-M2-BS 1 Lamp Dimming
J	Gimbal Spotlight		Ceiling Recessed	MR16 Low Voltage Halogen GE 20872 - Q50MR16/CCG15	50	12	Meeting Room	13	ERCO	Gimbal 88120.023	NA	
K	Linear Recessed Wallwasher		Ceiling Recessed	F32T8 GE 25611 - F32T8/SPX30/ECO	35	120	Meeting Room	4	ERCO	65040.023	Lutron Tu-Wire 2W-T832-120	ALT: Advance Mark 10 Powerline: REZ- 132 1 Lamp Dimming
L	Indirect Decorative Pendant Silver Finish		Suspended (12'-0")	(4) Triple Tube CFL - Four Pin - 26W GE 97615 F26TBX/830/A/ECO	116	120	Meeting Room	3	Visa	Sphinx 4602	(2) Lutron Tu-Wire 2W-T432-120-2	Custom Order with Four Lamps Instead of Eight
M	Exterior 7" Round Downlight		Recessed	Triple Tube CFL - Four Pin - 18W GE 97626 - F18TBX/830/A/ECO	22	120	Ext - Main Entrance Roof Terrace	5 15	ERCO	LC Recessed 81029.023	Lutron Tu-Wire 2W-T432-120-2	ALT: Advance Mark 10 Powerline: REZ-1Q18-M2-BS 1 Lamp Dimming
N	Burial Uplight <sup>1</sup>		In-Ground	CMH T6 150W GE 20017 - CMH150TU/830/G12	165	120	Exterior	5	ERCO	Tesis 33709.023	Advance e-Vision IMH- 150-H	IP68
O	Exterior Flood		Surface	CMH T6 PHILIPS CDM/35/T6/830	45	120	Roof Terrace	19	ERCO	FocalFlood 34103.023	Advance e-Vision RMH-39-K	
P	Exterior Rectangular Bollard Head		Surface Recessed	Triple Tube CFL - Four Pin - 18W GE 97626 - F18TBX/830/A/ECO	22	120	Roof Terrace	44	ERCO	Lightmark 33374.023	Lutron Tu-Wire 2W-T432-120-2	

<b>Q</b>	Exterior Rectangular Downlight		Surface	CMH T4 GE 85086 - CMH20T/U830GU6.5	26	120	Roof Terrace	5	ERCO	Kubus 33519.023	Advance e-Vision RMH-20-E-XXX	
<b>R</b>	LED Strip Light		Surface	LED - RGB	10W/ft	120	Facade Roof Terrace	170' 78'	ColorKinetics	iColor Accent Powercore	Advance Xitanium 24V Class II Driver	IP66 DMX Control
<b>S</b>	Flexible LED Strip (Color Changing)		Surface	LED - RGB	3 W/ft	24DV	Exterior - Sail	120'	iLight Technologies	Hypnotica RGB	Advance Xitanium 24V Class II Driver	Custom Curve by Manufacturer
<b>T</b>	Track Type 1: Line Voltage		Suspended	NA	NA	120	First Level Lobby Second Level Lobby	500'	Erco	12031.023 (4') 12031.023 (8')	NA	Mounted in Sequence with Fixtures A and B
<b>U</b>	Single Circuit Singlet		Surface	NA	NA	120	Second Level Lobby	4	Erco	Accessory	NA	
<b>V</b>	Track Type 2: Curved		Surface / Suspended	NA	NA	12	First Level Lobby	250'	Lightolier	Tangent Curved Track - Low Voltage	Transformer	

### Light Loss Factors: August Wilson Center Redesign

FIXTURE	CATEGORY	BF	LLD	LDD	RSDD	TOTAL
<b>A</b>	IV	1.000	0.920	0.890	0.970	0.794
<b>B</b>	IV	1.000	0.920	0.890	0.970	0.794
<b>C</b>	V	1.000	0.950	0.880	0.970	0.811
<b>D</b>	V	1.000	0.950	0.880	0.970	0.811
<b>E</b>	IV	1.000	0.841	0.890	0.970	0.726
<b>E1</b>	IV	1.000	0.841	0.890	0.970	0.726
<b>F</b>	IV	1.000	0.841	0.890	0.970	0.726
<b>G</b>	V	1.000	0.920	0.880	0.970	0.785
<b>H</b>	IV	1.000	0.950	0.880	0.970	0.811
<b>I</b>	IV	1.000	0.841	0.890	0.970	0.726
<b>J</b>	V	1.000	0.950	0.880	0.970	0.811
<b>K</b>	IV	1.000	0.920	0.890	0.970	0.794
<b>L</b>	V	0.980	0.842	0.880	0.970	0.704
<b>M</b>	V	1.000	0.842	0.880	0.900	0.667
<b>N</b>	VI	1.000	0.786	0.860	0.900	0.608
<b>O</b>	VI	1.000	0.786	0.860	0.900	0.608
<b>P</b>	V	1.000	0.842	0.880	0.900	0.667
<b>Q</b>	V	1.000	0.660	0.880	0.900	0.523
<b>R</b>	V	1.000	1.000	0.880	0.970	0.854
<b>S</b>	V	1.000	1.000	0.880	0.900	0.792

Assumptions: 12 Month Cleaning Cycle, Clean Environment

Approximate RCR: Meeting (7), Education (5), Lobby (NA), Façade (NA)

**Power Density: August Wilson Center Redesign**

**ASHRAE 2003 Table 9.6.1, 9.4.5**

SPACE	AREA (SF, *LF)	LPD (W/SF) ALLOWABLE	WATTS ALLOWABLE	WATTS USED	PERCENT OF ALLOWABLE	POWER DENSITY	WATTS USED (EXISTING)	LESS THAN EXISTING?	ACCEPTABLE TO ASHRAE?
EDUCATION ROOM	2010	1.4	2814	2500	89%	1.24	4018	YES	YES
MEETING ROOM	831	1.3	1080	1334	123%	1.61	864	NO	NO
MAIN STAIRCASE	1050	3.3	3465	3206	93%	3.05	1784	NO	YES
FIRST LEVEL LOBBY	5802	3.3	19147	6208	32%	1.07	4486	NO	YES
SECOND LEVEL LOBBY	3785	3.3	12491	7614	61%	2.01	6554	NO	YES
GIFT SHOP	782	1.3	1017	1850	182%	2.37	2100	YES	NO
BOX OFFICE	490	1.0	490	849	173%	1.73	1020	YES	NO
LIBERTY AVE FAÇADE*	400	5.0	2000	2240	112%	5.60	200	NO	NO
ROOF TERRACE	8150	0.2	1630	2963	182%	0.36	0	NO	NO
<b>ENTIRE REDESIGN</b>	<b>23300</b>		<b>44133</b>	<b>28764</b>	<b>65%</b>	<b>1.23</b>	<b>21026</b>	<b>NO</b>	<b>YES</b>