

JOB _____

TYPE _____

NOTES _____

APPROVALS _____

FEATURES

- 28" size in post top, pole and wall mount
- High performance optics up to 35,000 delivered lumens
- Elegant form factor
- Diffusion lens for low glare comfort
- SiteSync™ wireless control options

CERTIFICATIONS

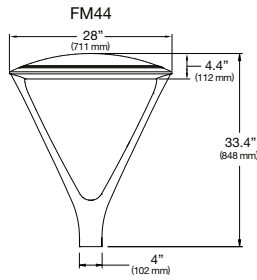


3000K and warmer CCTs only

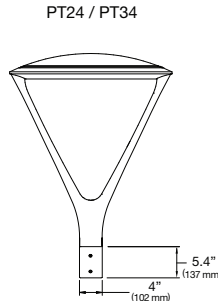
SPECIFICATIONS



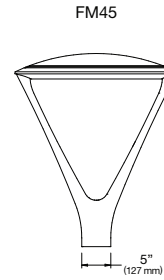
Weight: 56 lbs



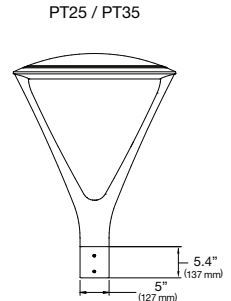
EPA: .984



EPA: 1.058



EPA: 1.066



EPA: 1.159

ORDERING CODE

Series	LED Engine	CCT	Distribution	Rotation	Voltage	Mounting
UR28 Ouro	No Lens or Clear Lens 96L-155 20,000 lm 96L-170 22,500 lm 96L-185 24,000 lm 96L-220 27,000 lm 96L-255 30,000 lm 96L-315 35,000 lm HDL - High Diffusion Lens 114L-160 18,000 lm 114L-180 20,000 lm 114L-265 25,000 lm	AM Amber 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 3K9 3000K, 90 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 5K7 5000K, 70 CRI	No Lens or Clear Lens FR Type I/Front Row 2 Type II 3 Type III 4 Type IV 4W Type IV Wide 5QM Type V Square Medium 5QN Type V Square Narrow 5R Type V Rectangular 5W Type V Wide (Round) HDL - High Diffusion Lens 3 Type III/Asymmetric 5W Type V/Symmetric	Blank for no rotation L ¹ Optic rotation left R ¹ Optic rotation right	UNV 120-277V 347 347V 480 480V DALI 120-277V [†] † Consult factory	FM44 Flush mt 3.6" to 4.0" OD pole, 4" fixture base FM45 Flush mt 3.6" to 5.0" OD pole, 5" fixture base PT24 4" Post Top mount for 2 3/8" OD Tenon PT34 4" Post Top mount for 2 7/8" OD Tenon PT25 5" Post Top mount for 2 3/8" OD Tenon PT35 5" Post Top mount for 2 7/8" OD Tenon
Fixture Finish	Control Options	Options	Control Accessories [^]			
BL Black DB Dark Bronze LG Light Gray GT Graphite PS Platinum Silver TT Titanium WH White CC Custom Color [†] † Consult factory	7PR-TL 7 pin PCR with twist lock photocontrol 7PR-SC 7 pin PCR with shorting cap 7PR 7 pin PCR, wireless control enabled AD-01 ² AstroDIM: 50% output at midnight AD-02 ² AstroDIM: 50% output midnight to 4 AM AD-03 ² AstroDIM: 50% output 10PM AD-04 ² AstroDIM: 50% output 10PM to 4AM NXWE NX Wireless Enabled SWP ^{2,3,4} SiteSync Pre commission	SWPM-40F ^{2,3,4,5} SiteSync with Sensor 9' to 40' MH WSP-40F-1 ^{2,5} Dimming Occ. Sensor for up to 40' MH, 120/277/347V WSP-40F-2 ^{2,5} Dimming Occ. Sensor for up to 40' MH, 208/240V WSP-40F-3 ^{2,5} Dimming Occ. Sensor for up to 40' MH, 480V NXSPW14F ^{2,5} NX Wireless, PIR Sensor, 14' NXSPW30F ^{2,5} NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'. NXSP14F ^{2,5} NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14' NXSP30F ^{2,5} NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'	SW7PR ^{2,3} SiteSync with 7 pin PCR SWUSB SiteSync Software on USB SWTAB SiteSync Windows® Tablet SWBRG SiteSync Wireless Bridge Node WIR-RME-L wiSCAPE External Fixture Module SCL-R Occ. Sensor for Round Pole (up to 16' MH) SCL-S Occ. Sensor for Square Pole (up to 16' MH) SCH-R Occ. Sensor for Round Pole (16' to 30' MH) SCH-S Occ. Sensor for Square Pole (16' to 30' MH) NXOFM-1R1D-UNV NX 7-pin Module [^] Please refer to page 8 for ordering details			

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- 1 Not available with 5QM, 5QN, and 5W distributions.
- 2 Not available with other sensor or wireless control options.
- 3 Specify group and zone at time of order. See www.hubbellighting.com/sitesync for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node.
- 4 Not available with 347V and 480V
- 5 96L only.
- 6 Not available with Type V distributions or HDL option.

LUMINAIRE PERFORMANCE

LED #	Nominal Lumen Package	Nominal Wattage	Lens Options	Distribution	3000K					4000K					5000K				
					Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
						B	U	G			B	U	G			B	U	G	
96L	20,000	155	No Lens	FR	20122	2	0	2	130	20629	2	0	2	133	20864	2	0	2	135
				FR-BC	12259	1	0	1	79	12567	1	0	1	81	12710	1	0	1	84
				2	18771	3	0	3	121	19243	3	0	3	124	19382	3	0	3	125
				2-BC	11542	1	0	2	74	11005	1	0	2	71	11131	1	0	2	72
				3	19043	3	0	4	123	19522	3	0	4	126	19745	3	0	4	127
				3-BC	11591	1	0	2	75	11882	1	0	2	77	12018	1	0	2	78
				4	19518	2	0	4	126	20008	2	0	4	129	20237	2	0	4	131
				4-BC	13771	1	0	3	89	14117	1	0	3	91	14279	1	0	3	93
				4W	19114	3	0	5	123	19595	3	0	5	126	19819	3	0	5	128
				4W-BC	11828	1	0	3	76	12404	1	0	3	80	12263	1	0	3	79
				5QM	19919	4	0	2	129	20421	4	0	2	132	20655	4	0	2	133
				5QN	20247	4	0	1	131	20758	4	0	2	134	20995	4	0	2	135
				5R	19981	4	0	4	129	20485	4	0	4	132	20718	4	0	4	134
				5W	20496	5	0	3	132	21011	5	0	3	136	21252	5	0	3	137
				Clear Lens	FR	19116	2	0	2	123	19597	2	0	2	126	19821	2	0	2
		FR-BC	11646		1	0	1	75	11939	1	0	1	77	12075	1	0	1	78	
		2	17832		3	0	3	115	18281	3	0	3	118	18490	3	0	3	119	
		2-BC	10199		1	0	2	67	10455	1	0	2	68	10575	1	0	2	68	
		3	18091		3	0	4	117	18546	3	0	4	120	18757	3	0	4	121	
		3-BC	10873		1	0	3	70	11147	1	0	3	72	11274	1	0	3	73	
		4	18542		1	0	4	120	19008	2	0	4	123	19226	2	0	4	124	
		4-BC	13082		1	0	3	85	13412	1	0	3	87	13565	1	0	3	88	
		4W	18159		3	0	5	117	18616	3	0	5	120	18828	3	0	5	121	
4W-BC	11236	1	0		3	72	11519	1	0	3	74	11650	1	0	3	75			
HDL Lens	3	16826	3	0	3	105	17249	3	0	3	108	17447	3	0	3	109			
	5W	18128	4	0	3	113	17539	4	0	3	110	17739	4	0	3	111			
	114L	160	HDL Lens	3	16826	3	0	3	105	17249	3	0	3	108	17447	3	0	3	109
				5W	18128	4	0	3	113	17539	4	0	3	110	17739	4	0	3	111

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LUMINAIRE PERFORMANCE

LED #	Nominal Lumen Package	Nominal Wattage	Lens Options	Distribution	3000K					4000K					5000K				
					Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
						B	U	G			B	U	G			B	U	G	
96L	22,500	170	No Lens	FR	22554	2	0	2	133	23121	2	0	2	136	23386	2	0	2	138
				FR-BC	13740	1	0	1	76	14085	1	0	1	83	14246	1	0	1	84
				2	21039	3	0	3	124	21568	3	0	3	127	21815	3	0	3	128
				2-BC	12032	1	0	2	71	12335	1	0	2	73	12476	1	0	2	73
				3	21344	3	0	4	126	21881	3	0	4	129	22130	3	0	4	130
				3-BC	12991	1	0	2	76	13318	1	0	2	78	13470	1	0	2	79
				4	21876	2	0	4	129	22427	2	0	4	132	22683	2	0	4	133
				4-BC	15823	1	0	3	93	15823	1	0	3	93	16004	1	0	3	94
				4W	21425	3	0	5	126	21964	3	0	5	129	22215	3	0	5	131
				4W-BC	13590	1	0	3	73	13590	1	0	3	75	13746	1	0	3	76
				5QM	22327	4	0	2	131	22889	4	0	2	135	23150	4	0	2	136
				5QN	22694	4	0	2	133	23265	4	0	2	137	23532	4	0	2	138
			5R	22396	4	0	4	132	22960	4	0	4	135	23221	5	0	5	137	
			5W	22973	5	0	3	135	23551	5	0	3	139	23821	5	0	3	140	
			Clear Lens	FR	20995	2	0	2	124	21523	2	0	2	127	21769	2	0	2	128
				FR-BC	13463	1	0	1	79	13802	1	0	1	81	13959	1	0	1	82
				2	19585	3	0	3	115	20078	3	0	3	118	20308	3	0	3	119
				2-BC	11791	1	0	2	69	12087	1	0	2	71	12225	1	0	2	72
				3	19869	3	0	4	117	20369	3	0	4	120	20601	3	0	4	121
				3-BC	11942	1	0	2	70	12242	1	0	2	72	12382	1	0	2	73
				4	20364	2	0	4	120	20876	2	0	4	123	21116	2	0	4	124
				4-BC	15124	1	0	3	89	15505	1	0	3	91	15682	1	0	3	92
				4W	19944	3	0	5	117	20446	3	0	5	120	20680	3	0	5	122
				4W-BC	12990	1	0	3	76	13317	1	0	3	78	13469	1	0	3	79
5QM	20783	4		0	2	122	21307	4	0	2	125	21550	4	0	2	127			
5QN	21126	4		0	2	124	21657	4	0	2	127	21905	4	0	2	129			
5R	20848	4	0	4	123	21373	4	0	4	126	21617	4	0	4	127				
5W	21386	5	0	3	126	21923	5	0	3	129	22174	5	0	3	130				
114L		180	HDL	3	18198	3	0	3	101	18656	3	0	3	104	18869	3	0	3	105
			Lens	5W	18502	4	0	3	103	18968	4	0	3	105	19374	4	0	3	108

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LUMINAIRE PERFORMANCE

LED #	Nominal Lumen Package	Nominal Wattage	Lens Options	Distribution	3000K				4000K				5000K						
					Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
						B	U	G			B	U	G			B	U	G	
96L	24,000	185	No Lens	FR	23922	2	0	2	129	24524	2	0	2	133	24804	2	0	2	134
				FR-BC	14573	1	0	1	79	14939	1	0	1	81	15110	1	0	1	82
				2	22315	3	0	3	121	22877	3	0	3	124	23138	3	0	3	125
				2-BC	12762	1	0	2	69	13083	1	0	2	71	13233	1	0	2	72
				3	22639	3	0	4	122	23208	3	0	4	125	23473	3	0	4	127
				3-BC	13780	1	0	3	74	14127	1	0	3	76	14288	1	0	3	77
				4	23203	2	0	4	125	23788	2	0	4	129	24059	2	0	4	130
				4-BC	16371	1	0	3	88	16783	1	0	4	91	16975	1	0	3	92
				4W	22724	3	0	5	123	23296	3	0	5	126	23563	3	0	5	127
				4W-BC	14061	1	0	4	76	14414	1	0	4	78	14580	1	0	4	79
				5QM	23682	4	0	2	128	24277	4	0	2	131	24554	4	0	2	133
				5QN	24071	5	0	2	130	24677	5	0	2	133	24958	5	0	2	135
			5R	23755	5	0	5	128	24352	5	0	5	132	24630	5	0	5	133	
			5W	24367	5	0	3	132	24979	5	0	3	135	25266	5	0	3	137	
			Clear Lens	FR	22281	2	0	2	120	23103	2	0	2	125	23367	2	0	3	126
				FR-BC	14451	1	0	1	78	14815	1	0	1	80	14984	1	0	1	81
				2	20785	3	0	3	112	21551	3	0	3	116	21798	3	0	3	118
				2-BC	12656	1	0	2	68	12974	1	0	2	70	13122	1	0	2	71
				3	21086	3	0	4	114	21863	3	0	4	118	22113	3	0	4	120
				3-BC	12673	1	0	2	69	13141	1	0	2	71	13291	1	0	2	72
				4	21612	2	0	4	117	22409	2	0	4	121	22665	2	0	4	123
				4-BC	16234	1	0	3	88	16644	1	0	4	90	16834	1	0	4	91
				4W	21166	3	0	5	114	21946	3	0	5	119	22197	3	0	5	120
				4W-BC	13943	1	0	3	75	14294	1	0	3	77	14457	1	0	4	78
5QM	22057	4		0	2	119	22870	4	0	2	124	23132	4	0	2	125			
5QN	22421	4		0	2	121	23247	4	0	2	126	23513	4	0	2	127			
5R	22126	4	0	4	120	22941	4	0	4	124	23204	5	0	5	125				
5W	22696	5	0	3	123	23532	5	0	3	127	23801	5	0	3	129				

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LUMINAIRE PERFORMANCE

LED #	Nominal Lumen Package	Nominal Wattage	Lens Options	Distribution	3000K				4000K				5000K						
					Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
						B	U	G			B	U	G			B	U	G	
96L	27,000	220	No Lens	FR	27857	2	0	3	127	28558	2	0	3	130	28885	2	0	3	131
				FR-BC	16970	1	0	2	77	17397	1	0	2	79	17596	1	0	2	80
				2	25987	3	0	3	118	26640	3	0	4	121	26944	3	0	4	122
				2-BC	14862	1	0	2	68	15235	1	0	2	69	15410	1	0	2	70
				3	26363	3	0	5	120	27026	3	0	5	123	27335	3	0	5	124
				3-BC	16046	1	0	3	73	16450	1	0	3	75	16638	1	0	3	76
				4	27020	2	0	4	123	28286	2	0	5	129	28017	2	0	5	127
				4-BC	19064	1	0	4	87	19544	1	0	4	89	19767	1	0	4	90
				4W	26463	3	0	5	120	27889	3	0	5	127	27438	3	0	5	125
				4W-BC	16374	1	0	4	74	16786	1	0	4	76	16978	1	0	4	77
				5QM	27577	5	0	3	125	26650	5	0	3	121	28594	5	0	3	130
				5QN	28031	5	0	2	127	27710	5	0	2	126	29065	5	0	2	132
			5R	27662	5	0	5	126	26670	5	0	5	121	28683	5	0	5	130	
			5W	28375	5	0	4	129	26687	5	0	4	121	29421	5	0	4	134	
			Clear Lens	FR	26300	2	0	2	120	26962	2	0	2	123	27270	2	0	3	124
				FR-BC	16865	1	0	2	77	17290	1	0	2	79	17487	1	0	2	79
				2	24534	3	0	3	112	25152	3	0	3	114	25439	3	0	3	116
				2-BC	14770	1	0	2	67	15142	1	0	2	69	15315	1	0	2	70
				3	24890	3	0	4	113	25515	3	0	5	116	25807	3	0	5	117
				3-BC	14780	1	0	2	67	15162	1	0	2	69	15335	1	0	2	70
				4	25510	2	0	4	116	26152	2	0	4	119	26452	2	0	4	120
				4-BC	18946	1	0	4	86	19423	1	0	4	88	19645	1	0	4	89
				4W	24984	3	0	5	114	25613	3	0	5	116	25905	3	0	5	118
				4W-BC	16273	1	0	4	74	16682	1	0	4	76	16873	1	0	4	77
5QM	26036	4		0	2	118	26691	5	0	3	121	26996	5	0	3	123			
5QN	26465	5		0	2	120	27131	5	0	2	123	27441	5	0	2	125			
5R	26116	5	0	5	119	26774	5	0	5	122	27079	5	0	5	123				
5W	26790	5	0	4	122	27463	5	0	4	125	27778	5	0	4	126				

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LUMINAIRE PERFORMANCE

LED #	Nominal Lumen Package	Nominal Wattage	Lens Options	Distribution	3000K					4000K					5000K					
					Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	
						B	U	G			B	U	G			B	U	G		
96L	30,000	255	No Lens	FR	30578	2	0	3	120	31347	3	0	3	123	31706	3	0	3	124	
				FR-BC	18628	1	0	1	73	19096	1	0	1	75	19314	1	0	1	76	
				2	28524	3	0	4	112	29242	3	0	4	115	29576	3	0	4	116	
				2-BC	16313	1	0	2	64	16724	1	0	2	66	16915	1	0	2	66	
				3	28937	3	0	5	113	29665	3	0	5	116	30004	3	0	5	118	
				3-BC	16835	1	0	3	66	17258	1	0	3	68	17456	1	0	3	68	
				4	29660	2	0	5	116	30405	2	0	5	119	30753	2	0	5	121	
				4-BC	20927	1	0	4	82	21453	1	0	4	84	21698	1	0	4	85	
				4W	29046	3	0	5	114	29777	3	0	5	117	30118	3	0	5	118	
				4W-BC	20891	1	0	4	82	21417	1	0	4	84	21662	1	0	4	85	
				5QM	30270	5	0	3	119	31032	5	0	3	122	31385	5	0	3	123	
				5QN	30769	5	0	2	121	31542	5	0	2	124	31903	5	0	5	125	
				5R	31119	5	0	5	122	31128	5	0	5	122	31483	5	0	5	123	
				5W	31146	5	0	4	122	31929	5	0	4	125	32295	5	0	4	127	
				Clear Lens	FR	29226	2	0	3	115	29962	2	0	3	117	30304	2	0	3	119
					FR-BC	17804	1	0	2	70	18252	1	0	1	72	18460	1	0	2	72
					2	27263	3	0	4	107	27950	3	0	4	110	28268	3	0	4	111
					2-BC	15592	1	0	2	61	15985	1	0	2	63	16167	1	0	2	63
		3	27658		3	0	5	108	28354	3	0	5	111	28678	3	0	5	112		
		3-BC	16623		1	0	3	65	17042	1	0	3	67	17236	1	0	3	68		
		4	28348		2	0	5	111	29062	2	0	5	114	29394	2	0	5	115		
		4-BC	20002		1	0	4	78	20505	1	0	4	80	20739	1	0	4	81		
		4W	27763		3	0	5	109	28461	3	0	5	112	28787	3	0	5	113		
		4W-BC	17179		1	0	4	67	17611	1	0	4	69	17812	1	0	4	70		
5QM	28932	5	0		3	113	29659	5	0	3	116	29999	5	0	3	118				
5QN	29408	5	0		2	115	30148	5	0	2	118	30493	5	0	2	120				
5R	29022	5	0	5	114	29752	5	0	5	117	30091	5	0	5	118					
5W	29769	5	0	4	117	30518	5	0	4	120	30867	5	0	4	121					
114L		265	HDL	3	25569	3	0	3	96	26213	3	0	3	99	26512	3	0	3	100	
			Lens	5W	25998	4	0	3	98	26860	4	0	3	101	27168	4	0	3	103	

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LUMINAIRE PERFORMANCE

LED #	Nominal Lumen Package	Nominal Wattage	Lens Options	Distribution	3000K					4000K					5000K				
					Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
						B	U	G			B	U	G			B	U	G	
96L	35,000	315	No Lens	FR	35165	3	0	3	112	36050	3	0	3	114	36463	3	0	3	116
				FR-BC	21423	1	0	2	68	21961	1	0	2	70	22213	1	0	2	71
				2	32804	3	0	4	104	33629	3	0	4	107	34013	3	0	4	108
				2-BC	18761	1	0	2	60	19233	1	0	2	61	19452	1	0	2	62
				3	33278	3	0	5	106	34116	3	0	5	108	34506	3	0	5	110
				3-BC	20256	1	0	4	64	20765	1	0	4	66	21003	1	0	4	67
				4	34109	2	0	5	108	34967	2	0	5	111	35367	2	0	5	112
				4-BC	24066	1	0	4	76	24672	1	0	4	78	24953	1	0	4	79
				4W	33405	3	0	5	106	34245	3	0	5	109	34637	3	0	5	110
				4W-BC	20670	1	0	4	66	21190	1	0	4	67	21431	1	0	4	68
				5QM	34811	5	0	3	111	35687	5	0	3	113	36095	5	0	3	115
				5QN	35385	5	0	2	112	36275	5	0	2	115	36690	5	0	3	116
			5R	34920	5	0	5	111	35798	5	0	5	114	36362	5	0	5	115	
			5W	35819	5	0	4	114	36720	5	0	4	117	37140	5	0	4	118	
			Clear Lens	FR	34828	3	0	3	111	35704	3	0	3	113	36112	3	0	3	115
				FR-BC	22334	1	0	2	71	22895	1	0	2	73	23157	1	0	2	74
				2	32489	3	0	4	103	33306	3	0	4	106	33687	3	0	4	107
				2-BC	19559	1	0	2	62	20051	1	0	2	64	20280	1	0	2	64
				3	32960	3	0	5	105	33788	3	0	5	107	34175	3	0	5	108
				3-BC	19810	1	0	3	63	20308	1	0	3	64	20540	1	0	3	65
				4	33782	2	0	5	107	34632	2	0	5	110	35028	2	0	5	111
				4-BC	25090	1	0	4	80	25720	1	0	4	82	26014	1	0	4	84
				4W	33085	3	0	5	105	33917	3	0	5	108	34304	3	0	5	109
				4W-BC	21549	1	0	4	68	22090	1	0	4	70	22343	1	0	5	71
5QM	34477	5		0	3	109	35345	5	0	3	112	35748	5	0	3	113			
5QN	35045	5		0	2	111	35927	5	0	2	114	36337	5	0	3	115			
5R	34584	5	0	5	110	35454	5	0	5	113	35859	5	0	5	114				
5W	35475	5	0	4	113	36368	5	0	4	115	36784	5	0	4	117				
114L		330	HDL	3	30859	4	0	4	94	31636	4	0	4	96	31997	4	0	4	97
			Lens	5W	31300	5	0	3	95	32088	5	0	3	97	32455	5	0	3	98

Electrical Characteristics										Dimming						
System Watts	Current	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Source current out		Absolute voltage	
		VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
155	500 mA	120-480	50/60	1.29	0.75	0.65	0.56	0.45	0.32	>0.9	20	10% to 100%	0mA	1mA	0V	10V
160	430mA			1.33	0.77	0.67	0.58	0.46	0.33							
170	550 mA			1.42	0.82	0.71	0.61	0.49	0.35							
180	475mA			1.50	0.87	0.75	0.65	0.52	0.38							
185	600 mA			1.54	0.89	0.77	0.67	0.53	0.39							
220	700 mA			1.83	1.06	0.92	0.79	0.63	0.46							
255	800 mA			2.13	1.23	1.06	0.92	0.73	0.53							
265	690mA			2.21	1.27	1.10	0.96	0.76	0.55							
315	1000 mA			2.63	1.51	1.31	1.14	0.91	0.66							
330	855mA			2.75	1.59	1.38	1.19	0.95	0.69							

TM-21 LIFETIME CALCULATION

Projected Lumen Maintenance (25°C / 77°F)						
HOURS	0	25,000	36,000	50,000	100,000	Reported L70
Projected Lumen Maintenance	100%	97%	95%	93%	87%	> 60,000 hrs

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SPECIFICATIONS

Housing:

- Low copper aluminum alloy die-casting is designed as one-piece with internal cooling fins.
- Solid, cast aluminum wall creates a thermal barrier between the optical and electrical compartments.
- Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.
- Housing is designed with integral LED heat sink utilized for thermal transfer and for securing the location of each LED module.
- IK09 rated enclosure protects electrical equipment against external mechanical impacts.

Lens Frame:

- One-piece low copper aluminum alloy die-cast is secured to housing with 6 screws.

Backlight Control

- Optional Backlight Control on each LED module to completely control unwanted backlight.

Lens

One-piece flat glass lens slips secure with clips. Extra silicone gasketing is provided to retain a clear optical compartment.

Optical Module:

- LEDs shall be mounted to a metal printed circuit board assembly (MCPCB).
- Optical lenses shall be clear injection molded PMMA acrylic.
- Each MCPCB and optic shall be sealed to the diecast housing and sealed with a continuous one piece injection molded silicone rubber gasket.
- Patent Pending design of optical array shall independently shield each LED optic across the length of the aperture.
- Optional fixture finish optical surfaces shall not exceed BUG ratings of the standard white finish and shall be greater than or equal to the delivered lumens of the optional matte black optical surface finish.

Electrical Components

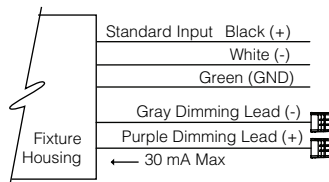
- Standard programmable driver allows for programmable drive current settings.
- Electrical components are strategically located in the driver gear compartment with a molded silicon grommet seal to provide separation from the optical chamber.
- Maximum lightning surge current 20KA with thermally protected varistor technology. Surge suppression is series circuited preventing

total fixture failure. ANSI/IEEE C62.41 Category C High.

- Open circuit fault will turn off the luminaire in order to protect the sensitive electronics and acts as a signal for maintenance.
- Programmable Driver is rated for -40°C starting.
- "Thermal Shield", primary side, thermister provides protection for the sustainable life of electronic components (350mA to 700mA).

Dimming:

- Dimming range from 100% to 10% through the use of the standard 0-10V interface on the programmable driver.
- Modular wiring harness in the service area provides user access to the dimming circuitry.
- Dimming circuitry compatible with 0-10V, user-defined control devices.
- Optional factory programmed dimming profile.



Fusing:

SF for 120, 277, and 347 Line volts
 DF for 208, 240, and 480 Line volts
 High temperature fuse holders factory installed inside the fixture housing.
 Fuse is included.

Finish:

Fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat.
 Standard colors include (BLS) Black Gloss Smooth, (BLT) Black Matte Textured, (DBS) Dark Bronze Smooth, (GTT) Graphite Matte Textured, (LGS) Light Gray Smooth, (PSS) Platinum Silver Smooth, (VGS) Verde Green Smooth, (WHS) White Gloss Smooth, and (CC) Custom Color (Include RAL#).

Certifications and Listings:

- UL 1598 Standard for Luminaires.
- UL 8750 Standard for Safety for Light
- Emitting Diode (LED) Equipment for use in Lighting Products.
- CSA C22.2#250.0 Luminaires.
- ANSI C136.31-2010 Vibration tested and compliant 1.5G and 4G reference page 9
- RoHS compliant.

- IP66 rated.
- IEC 66262 Mechanical Impact Code IK09.
- IDA approved, 3000K and warmer CCTs only.

CAUTION:

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

WARRANTY:

For full warranty see: <http://www.hubbellighting.com/resources/warranty>

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CONTROLS

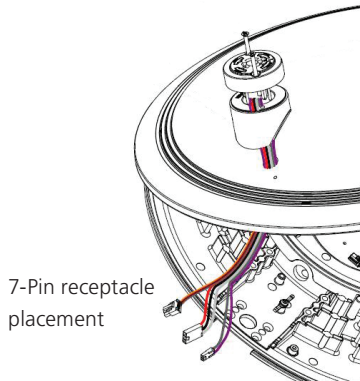
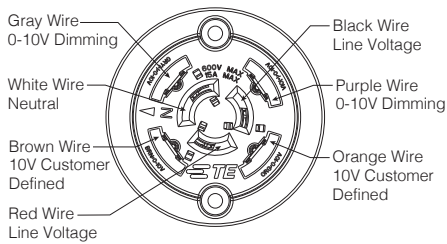
Photocell Receptacle

7PR

Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

Standard customer operation modes:

1. Traditional on/off photoelectric control.
2. 5-pin wireless photoelectric control for added dimming feature.
3. 7-pin wireless photoelectric control for dimming and additional I/O connections for customer use.



Wireless Controls

wiSCAPE™

Hubbell Control Solution's wiSCAPE™ wireless control modules allow an individual fixture to be managed, monitored and measured. The modules communicate securely over a robust certified meshed radio signal. The wiSCAPE modules provide on/off/dim control, external device input, alerts and metering.

WIR-RME-L

wiSCAPE External Module, 120-480V, 1000ft range (LOS), Internal Photocell, 1 Digital Input, Compatible with the A-25-7H option

SiteSync™¹

SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit www.hubbellighting.com/products/sitesync for more details.

Dimming WASP Occupancy Sensor WSP

The Dimming WASP Outdoor Occupancy Sensor is specifically designed to provide 0-10VDC output for the control of dimmable fixtures. Easy to use dipswitches allow the user to adjust sensor time delay and sensitivity as well as set unoccupied and occupied dimming levels. Sensors also feature a daylight sensor for ON/OFF control of fixtures when there is sufficient natural light. Visit https://hubbellcdn.com/installationmanuals/2102B_Dimming_WASP_Install.pdf for more details.

Pole Mounted

Round Pole-Mounted Occupancy Sensor up to 16'. Select voltage and finish color.

SCL-R

Round Pole-Mounted Occupancy Sensor up to 16' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCL-R44/277²/BL³

Square Pole-Mounted Occupancy Sensor up to 16'. Select voltage and finish color.

SCL-S

Square Pole-Mounted Occupancy Sensor up to 16' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for square pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCL-L/277²/BL³

Round Pole-Mounted Occupancy Sensor 16' to 30'. Select voltage and finish color.

SCH-R

Round Pole-Mounted Occupancy Sensor: 16' to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCH-R4⁴/277²/BL³

Square Pole-Mounted Occupancy Sensor 16' to 30'. Select voltage and finish color.

SCH-S

Square Pole-Mounted Occupancy Sensor: 16 to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCH-S/277²/BL³

AstroDIM

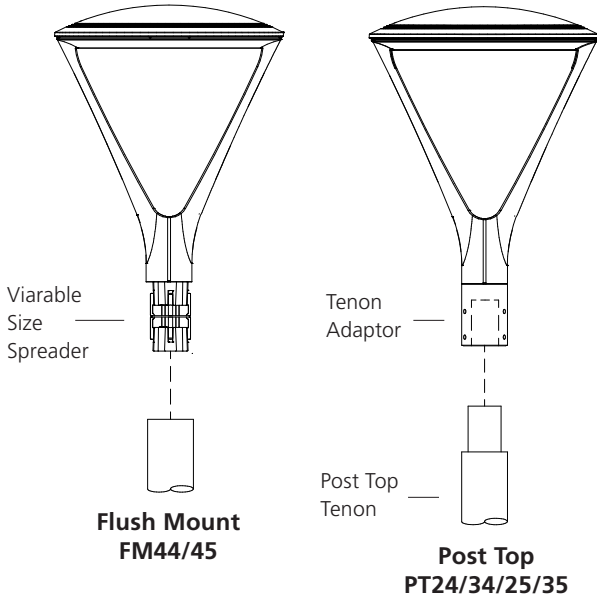
AstroDIM provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on/off times.

¹PRECOMMISSIONED SITESYNC ORDERING INFORMATION: When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit www.HubbellLighting.com/products/sitesync or contact Hubbell Lighting tech support at (800) 345-4928.

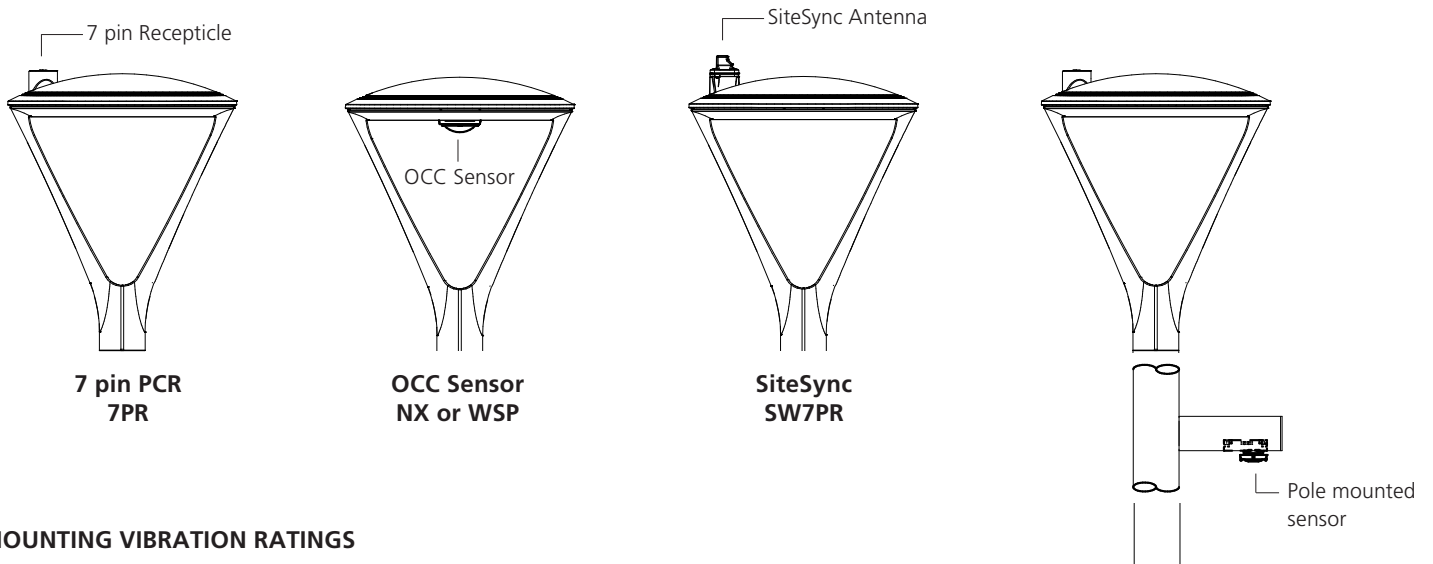
SiteSync fixtures with occupancy sensor (SWPM) require the mounting height of the fixture for selection of the lens.

²Voltage, ³Color, ⁴Pole Diameter,

MOUNTING INSTALLATION



SENSOR PLACEMENT



MOUNTING VIBRATION RATINGS

UR 20 Arm		UR28 Arm		UR 20 Post Top		UR 28 Post Top	
Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating
ASQ	4G	ASQ	4G	FM33	4G	FM44	1.5G
A34	4G	A34	4G	FM44	1.5G	FM45	1.5G
A46	4G	A46	4G	PT23	4G	PT24	1.5G
MAF	4G	MAF	4G	PT24	4G	PT34	1.5G
				PT34	1.5G	PT25	1.5G
						PT35	1.5G

For the 4 G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Test Level 1 Normal Applications, Vibration Test Level 2 Bridge/Overpass Applications, and Vibration Test Level 3

For the 1.5G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Level 1 Bridge/Overpass Applications

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