



Lumec **MetroScape LED** pendant luminaire combines style and performance to create flexible, durable and attractive energy-saving solutions that blend in well with traditional-styled urban architecture. Thanks to the open design it is capable of more powerful lumen packages suited to the higher visibility requirements of roads and intersections – up to 96 LEDs can deliver over 20,000 lumens, equivalent to 400W HID. The pendant model comes with a choice of flat or sag lens, and an optional white opaque globe to accentuate the classic design. Includes Service Tag, innovative way to provide assistance throughout the life of the product.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Luminaire ordering guide

Example: MSR-145W64LED4K-G3-LE3F-120-CDMGM25-SMA-RCD-BKTX

Series	LED Module	CCT	Gen.	Optical System	Lens	Voltage	Driver option	Adapter	Luminaire option	Mounting	Pole	Finish
MSR			G3									
MSR¹ MetroScape LED pendant luminaire	35W32LED² 55W32LED² 72W32LED 97W32LED² 55W48LED 80W48LED 108W48LED 140W48LED 70W64LED 110W64LED 145W64LED² 195W64LED² 90W80LED 135W80LED 180W80LED 110W96LED 160W96LED 215W96LED³	3K 3000K 4K 4000K	G3 Gen3	LE2 Type II (ASYM) LE3 Type III (ASYM) LE3W Type III (ASYM) wide flat lens LE4 Type IV (ASYM) LE5⁴ Type V (SYMM)	F Flat lens S Sag lens	120 120V 208 208V 240 240V 277 277V 347 347V 480 480V	CDMG² Dynadimmer for standard dimming (consult pg 3 for complete Dynadimmer scenarios) CLO² Pre-set driver to manage lumen depreciation AST² Pre-set driver for progressive start-up OTL² Pre-set driver to signal end of lamp life DALI² Pre-set driver compatible with the DALI control system DMG 0-10 volt SRD² Sensor ready driver, standard configuration SRD1² Sensor ready driver, alternate configuration	MA1 1 1/4" NPT threaded hole adapter accepting threaded tube MA2 1 1/2" NPT threaded hole adapter accepting threaded tube. SMA Decorative retro side-mounted cast-aluminum, accepts tubes from 1 5/8" to 2 3/8" SMB Decorative contemporary side-mounted cast-aluminum, accepts tubes from 1 5/8" to 2 3/8"	BX⁵ Bird repellent DH Opaque decorative hood HS House Side Shield PH8 Photoelectric cell PH9 Shorting Cap PHXL² Photoelectric cell, extended life RCD⁶ 5-Pin receptacle for dimming photoelectric cell RCD7⁶ 7-Pin receptacle for photoelectric cell SP2 20kV/20kA Surge Protector (optional)	Consult the Signify web site for details and the complete line of Mountings	Consult the Signify web site for details and the complete line of Poles	BE2TX BE6TX BE8TX BG2TX BKTX BRTX GN4TX GN6TX GN8TX GNTX GR GY3TX NP RD2TX RD4TX TG TS WHTX (consult pg 4 for all code descriptions)

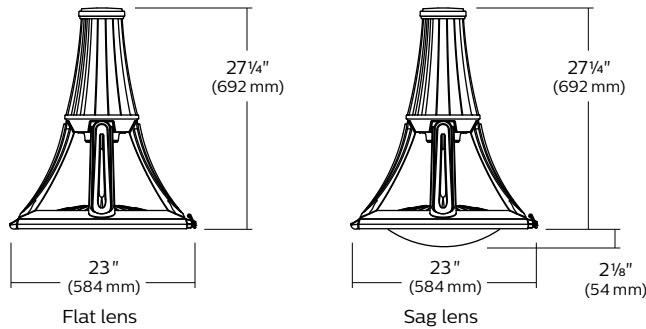
1. DMG 0-10V driver come standard. 2. The 347V and 480V are not available. 3. Not available with DH option. 4. Not available with HS option. 5. Can not be used with DH, PH8, PH8XL, PH9 or RCD. 6. Use of photoelectric cell or shorting cap is required to ensure proper illumination.



MSR MetroScape pendant

urban luminaire

Dimensions



EPA: 2.32 sq ft
Weight: 51 lbs (23 kg)

LED Wattage and Lumen Values for 3000K & 4000K fixtures with Flat Glass Lens

Ordering Code:	Total LEDs	System current (mA)	Average System Watts (W)	LE2F			LE3F			LE3WF			LE4F			LE5F		
				Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
Flat Glass Lens MSR 3000K																		
35W32LED3K-G3-x	32	350	37	5092	138	B1-U0-G1	5013	135	B1-U0-G1	5000	135	B1-U0-G1	5048	136	B1-U0-G1	4998	135	B3-U0-G1
55W32LED3K-G3-x	32	530	55	7304	133	B2-U0-G1	7190	131	B1-U0-G2	7173	130	B1-U0-G2	7241	132	B1-U0-G2	7169	130	B3-U0-G2
72W32LED3K-G3-x	32	700	72	9212	128	B2-U0-G2	9069	126	B2-U0-G2	9047	126	B2-U0-G2	9133	127	B2-U0-G2	9043	126	B3-U0-G2
97W32LED3K-G3-x	32	1050	105	12701	121	B3-U0-G2	12504	119	B2-U0-G2	12474	119	B2-U0-G2	12592	120	B2-U0-G2	12468	119	B4-U0-G2
55W48LED3K-G3-x	48	350	54	7638	141	B2-U0-G1	7519	139	B2-U0-G2	7501	139	B1-U0-G2	7572	140	B1-U0-G2	7497	139	B3-U0-G2
80W48LED3K-G3-x	48	530	80	10956	137	B2-U0-G2	10786	135	B2-U0-G2	10759	134	B2-U0-G2	10862	136	B2-U0-G2	10755	134	B4-U0-G2
108W48LED3K-G3-x	48	700	105	13817	131	B3-U0-G2	13603	129	B2-U0-G2	13569	129	B2-U0-G2	13698	130	B2-U0-G2	13563	129	B4-U0-G2
140W48LED3K-G3-x	48	1050	157	19053	121	B3-U0-G2	18757	119	B3-U0-G2	18712	119	B3-U0-G3	18889	120	B3-U0-G3	18703	119	B4-U0-G2
70W64LED3K-G3-x	64	350	69	9843	142	B2-U0-G2	9690	140	B2-U0-G2	9666	140	B2-U0-G2	9758	141	B2-U0-G2	9662	140	B3-U0-G2
110W64LED3K-G3-x	64	530	105	14118	135	B3-U0-G2	13899	133	B2-U0-G2	13865	132	B2-U0-G2	13996	134	B2-U0-G2	13858	132	B4-U0-G2
145W64LED3K-G3-x	64	700	140	17805	127	B3-U0-G2	17528	125	B3-U0-G2	17486	125	B3-U0-G3	17652	126	B3-U0-G3	17478	125	B4-U0-G2
195W64LED3K-G3-x	64	1050	214	24551	115	B3-U0-G3	24170	113	B3-U0-G3	24111	112	B3-U0-G4	24340	114	B3-U0-G3	24100	112	B5-U0-G3
90W80LED3K-G3-x	80	350	87	12303	142	B3-U0-G2	12112	139	B2-U0-G2	12082	139	B2-U0-G2	12197	140	B2-U0-G2	12077	139	B4-U0-G2
135W80LED3K-G3-x	80	530	131	17646	134	B3-U0-G2	17372	132	B3-U0-G2	17330	132	B2-U0-G3	17494	133	B3-U0-G3	17322	132	B4-U0-G2
180W80LED3K-G3-x	80	700	175	22255	127	B3-U0-G3	21910	125	B3-U0-G3	21856	125	B3-U0-G3	22064	126	B3-U0-G3	21846	125	B5-U0-G3
110W96LED3K-G3-x	96	350	101	14763	146	B3-U0-G2	14534	143	B3-U0-G2	14499	143	B2-U0-G2	14636	144	B2-U0-G2	14492	143	B4-U0-G2
160W96LED3K-G3-x	96	530	158	21176	134	B3-U0-G3	20847	132	B3-U0-G3	20796	132	B3-U0-G3	20993	133	B3-U0-G3	20786	132	B5-U0-G3
215W96LED3K-G3-x	96	700	209	26707	128	B3-U0-G3	26292	126	B3-U0-G3	26228	125	B3-U0-G4	26477	127	B3-U0-G4	26216	125	B5-U0-G3
Flat Glass Lens MSR 4000K																		
35W32LED4K-G3-x	32	350	37	5346	144	B1-U0-G1	5263	142	B1-U0-G1	5250	142	B1-U0-G1	5300	143	B1-U0-G1	5248	142	B3-U0-G1
55W32LED4K-G3-x	32	530	55	7669	139	B2-U0-G1	7550	137	B2-U0-G2	7531	137	B1-U0-G2	7603	138	B1-U0-G2	7528	137	B3-U0-G2
72W32LED4K-G3-x	32	700	72	9673	134	B2-U0-G1	9522	132	B2-U0-G2	9499	132	B2-U0-G2	9589	133	B2-U0-G2	9495	132	B3-U0-G2
97W32LED4K-G3-x	32	1050	105	13336	127	B2-U0-G2	13129	125	B2-U0-G2	13097	125	B2-U0-G2	13222	126	B2-U0-G2	13091	125	B3-U0-G2
55W48LED4K-G3-x	48	350	54	8020	149	B2-U0-G2	7895	146	B2-U0-G2	7876	146	B2-U0-G2	7950	147	B2-U0-G2	7872	146	B4-U0-G2
80W48LED4K-G3-x	48	530	80	11504	144	B2-U0-G2	11325	141	B2-U0-G2	11297	141	B2-U0-G2	11405	142	B2-U0-G2	11292	141	B4-U0-G2
108W48LED4K-G3-x	48	700	105	14508	138	B3-U0-G2	14283	136	B2-U0-G2	14248	135	B2-U0-G2	14383	137	B2-U0-G2	14241	135	B4-U0-G2
140W48LED4K-G3-x	48	1050	157	20006	127	B3-U0-G2	19695	125	B2-U0-G2	19647	125	B2-U0-G2	19834	126	B2-U0-G2	19638	125	B4-U0-G2
70W64LED4K-G3-x	64	350	69	10335	149	B3-U0-G2	10174	147	B2-U0-G2	10150	147	B2-U0-G2	10246	148	B2-U0-G2	10145	147	B4-U0-G2
110W64LED4K-G3-x	64	530	105	14824	141	B3-U0-G2	14593	139	B3-U0-G2	14558	139	B2-U0-G2	14696	140	B2-U0-G2	14551	139	B4-U0-G2
145W64LED4K-G3-x	64	700	140	18695	134	B3-U0-G2	18405	132	B3-U0-G2	18360	131	B2-U0-G3	18534	133	B2-U0-G2	18352	131	B4-U0-G2
195W64LED4K-G3-x	64	1050	214	25779	120	B3-U0-G2	25378	118	B3-U0-G2	25317	118	B3-U0-G3	25557	119	B3-U0-G3	25305	118	B4-U0-G2
90W80LED4K-G3-x	80	350	87	12918	149	B3-U0-G2	12717	146	B3-U0-G2	12687	146	B3-U0-G3	12807	147	B3-U0-G3	12681	146	B4-U0-G2
135W80LED4K-G3-x	80	530	131	18528	141	B3-U0-G3	18240	139	B3-U0-G2	18196	138	B3-U0-G3	18369	140	B3-U0-G3	18188	138	B5-U0-G3
180W80LED4K-G3-x	80	700	175	23368	134	B3-U0-G3	23005	132	B3-U0-G3	22949	131	B3-U0-G3	23167	132	B3-U0-G3	22939	131	B5-U0-G3
110W96LED4K-G3-x	96	350	101	15502	153	B3-U0-G3	15261	151	B3-U0-G3	15224	150	B3-U0-G4	15368	152	B3-U0-G3	15217	150	B5-U0-G3
160W96LED4K-G3-x	96	530	158	22234	141	B3-U0-G3	21889	139	B3-U0-G3	21836	138	B3-U0-G4	22043	140	B3-U0-G4	21826	138	B5-U0-G3
215W96LED4K-G3-x	96	700	209	28042	134	B3-U0-G3	27607	132	B3-U0-G3	27539	132	B3-U0-G4	27801	133	B3-U0-G4	27527	132	B5-U0-G3

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at signify.com/outdoorluminaire.

Note: Some data may be scaled based on tests of similar. But not identical luminaires.

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urban luminaire

LED Wattage and Lumen Values for 3000K & 4000K fixtures with Sag Glass Lens

Ordering Code:	Total LEDs	System current (mA)	Average System Watts (W)	LE2S			LE3S			LE3WS			LE4S			LE5S		
				Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
Sag Glass Lens MSR 3000K																		
35W32LED3K-G3-x	32	350	37	4998	135	B1-U0-G1	4998	135	B1-U0-G1	4935	133	B1-U0-G2	4962	134	B1-U0-G1	4933	133	B3-U0-G1
55W32LED3K-G3-x	32	530	55	7169	130	B2-U0-G1	7169	130	B1-U0-G2	7078	129	B1-U0-G2	7118	129	B1-U0-G2	7076	129	B3-U0-G2
72W32LED3K-G3-x	32	700	72	9042	126	B2-U0-G2	9042	126	B2-U0-G2	8928	124	B2-U0-G2	8978	125	B2-U0-G2	8925	124	B3-U0-G2
97W32LED3K-G3-x	32	1050	105	12467	119	B2-U0-G2	12467	119	B2-U0-G2	12310	117	B2-U0-G2	12379	118	B2-U0-G2	12305	117	B4-U0-G2
55W48LED3K-G3-x	48	350	54	7497	139	B2-U0-G1	7497	139	B1-U0-G2	7402	137	B1-U0-G2	7444	138	B1-U0-G2	7399	137	B3-U0-G2
80W48LED3K-G3-x	48	530	80	10754	134	B2-U0-G2	10754	134	B2-U0-G2	10618	133	B2-U0-G2	10678	133	B2-U0-G2	10614	132	B4-U0-G2
108W48LED3K-G3-x	48	700	105	13562	129	B3-U0-G2	13562	129	B2-U0-G2	13391	127	B2-U0-G2	13466	128	B2-U0-G2	13386	127	B4-U0-G2
140W48LED3K-G3-x	48	1050	157	18702	119	B3-U0-G2	18702	119	B3-U0-G3	18466	117	B3-U0-G3	18570	118	B3-U0-G3	18459	117	B5-U0-G3
70W64LED3K-G3-x	64	350	69	9661	140	B2-U0-G2	9661	140	B2-U0-G2	9539	138	B2-U0-G2	9593	139	B2-U0-G2	9536	138	B4-U0-G2
110W64LED3K-G3-x	64	530	105	13857	132	B3-U0-G2	13857	132	B2-U0-G2	13683	131	B2-U0-G3	13760	131	B2-U0-G2	13678	130	B4-U0-G2
145W64LED3K-G3-x	64	700	140	17476	125	B3-U0-G2	17476	125	B3-U0-G2	17256	123	B2-U0-G3	17353	124	B3-U0-G3	17250	123	B4-U0-G2
195W64LED3K-G3-x	64	1050	214	24098	112	B3-U0-G3	24098	112	B3-U0-G3	23795	111	B3-U0-G4	23928	112	B3-U0-G4	23786	111	B5-U0-G3
90W80LED3K-G3-x	80	350	87	12076	139	B2-U0-G2	12076	139	B2-U0-G2	11924	137	B2-U0-G2	11991	138	B2-U0-G2	11919	137	B4-U0-G2
135W80LED3K-G3-x	80	530	131	17320	132	B3-U0-G2	17320	132	B3-U0-G2	17102	130	B2-U0-G3	17198	131	B3-U0-G3	17096	130	B4-U0-G2
180W80LED3K-G3-x	80	700	175	21845	125	B3-U0-G3	21845	125	B3-U0-G3	21570	123	B3-U0-G4	21690	124	B3-U0-G3	21561	123	B5-U0-G3
110W96LED3K-G3-x	96	350	101	14491	143	B3-U0-G2	14491	143	B2-U0-G2	14308	141	B2-U0-G3	14389	142	B2-U0-G2	14303	141	B4-U0-G2
160W96LED3K-G3-x	96	530	158	20785	132	B3-U0-G3	20785	132	B3-U0-G3	20523	130	B3-U0-G4	20638	131	B3-U0-G3	20515	130	B5-U0-G3
215W96LED3K-G3-x	96	700	209	26214	125	B3-U0-G3	26214	125	B3-U0-G3	25884	124	B3-U0-G4	26029	124	B3-U0-G4	25874	124	B5-U0-G4
Sag Glass Lens MSR 4000K																		
35W32LED4K-G3-x	32	350	37	5248	142	B1-U0-G1	5248	142	B1-U0-G1	5182	140	B1-U0-G2	5211	141	B1-U0-G1	5180	140	B3-U0-G1
55W32LED4K-G3-x	32	530	55	7527	137	B2-U0-G1	7527	137	B1-U0-G2	7432	135	B1-U0-G2	7474	136	B1-U0-G2	7430	135	B3-U0-G2
72W32LED4K-G3-x	32	700	72	9494	132	B2-U0-G1	9494	132	B2-U0-G2	9374	130	B2-U0-G2	9427	131	B2-U0-G2	9371	130	B4-U0-G2
97W32LED4K-G3-x	32	1050	105	13090	125	B2-U0-G2	13090	125	B2-U0-G2	12925	123	B2-U0-G2	12998	124	B2-U0-G2	12920	123	B4-U0-G2
55W48LED4K-G3-x	48	350	54	7871	146	B2-U0-G2	7871	146	B2-U0-G2	7772	144	B1-U0-G2	7816	145	B1-U0-G2	7769	144	B3-U0-G2
80W48LED4K-G3-x	48	530	80	11291	141	B2-U0-G2	11291	141	B2-U0-G2	11149	139	B2-U0-G2	11212	140	B2-U0-G2	11145	139	B4-U0-G2
108W48LED4K-G3-x	48	700	105	14240	135	B3-U0-G2	14240	135	B2-U0-G2	14061	134	B2-U0-G3	14140	134	B2-U0-G2	14056	133	B4-U0-G2
140W48LED4K-G3-x	48	1050	157	19637	125	B3-U0-G2	19637	125	B2-U0-G2	19389	123	B3-U0-G3	19498	124	B3-U0-G3	19382	123	B5-U0-G3
70W64LED4K-G3-x	64	350	69	10144	147	B3-U0-G2	10144	147	B2-U0-G2	10016	145	B2-U0-G2	10072	146	B2-U0-G2	10013	145	B4-U0-G2
110W64LED4K-G3-x	64	530	105	14550	139	B3-U0-G2	14550	139	B2-U0-G2	14367	137	B2-U0-G3	14448	138	B2-U0-G2	14361	137	B4-U0-G2
145W64LED4K-G3-x	64	700	140	18350	131	B3-U0-G2	18350	131	B2-U0-G2	18119	130	B3-U0-G3	18221	130	B3-U0-G3	18112	130	B5-U0-G3
195W64LED4K-G3-x	64	1050	214	25303	118	B3-U0-G2	25303	118	B3-U0-G3	24985	117	B3-U0-G4	25124	117	B3-U0-G4	24975	117	B5-U0-G3
90W80LED4K-G3-x	80	350	87	12680	146	B3-U0-G2	12680	146	B3-U0-G3	12520	144	B2-U0-G2	12590	145	B2-U0-G2	12515	144	B4-U0-G2
135W80LED4K-G3-x	80	530	131	18186	138	B3-U0-G3	18186	138	B3-U0-G3	17957	137	B2-U0-G3	18058	137	B3-U0-G3	17950	137	B4-U0-G2
180W80LED4K-G3-x	80	700	175	22937	131	B3-U0-G3	22937	131	B3-U0-G3	22648	130	B3-U0-G4	22775	130	B3-U0-G4	22639	129	B5-U0-G3
110W96LED4K-G3-x	96	350	101	15215	150	B3-U0-G3	15215	150	B3-U0-G3	15024	148	B2-U0-G3	15108	149	B2-U0-G2	15018	148	B4-U0-G2
160W96LED4K-G3-x	96	530	158	21824	138	B3-U0-G3	21824	138	B3-U0-G3	21549	136	B3-U0-G4	21670	137	B3-U0-G3	21541	136	B5-U0-G3
215W96LED4K-G3-x	96	700	209	27525	132	B3-U0-G3	27525	132	B3-U0-G4	27178	130	B3-U0-G4	27330	131	B3-U0-G4	27168	130	B5-U0-G4

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at signify.com/outdoorluminaires.

Note: Some data may be scaled based on tests of similar. But not identical luminaires.

LED Performance

Predicted lumen depreciation data ¹					
Ordering Code	Ambient Temperature (°C)	Driver mA	Calculated L ₇₀ hours ^{1,2}	L ₇₀ per TM-21 ^{2,3}	Lumen Maintenance % @ 60,000 hours
MSR-215W96LED4K	25°C	700 mA	>100,000	>60,000	94.01%
MSR-195W64LED4K	25°C	1050 mA	>100,000	>60,000	96.85%

1. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
2. L₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output.
3. Calculated per IESNA TM21-11. Published L₇₀ hours limited to 6 times actual LED test hours.

MSR MetroScape pendant

urban luminaire

Specifications

Cage

In a round shape, this cage is made of four cast aluminum 356 decorative arms welded to the housing and to the access mechanism.

Housing

In a round shape, this housing is made of cast 356 aluminum, c/w a watertight grommet, mechanically assembled to the bracket with four bolts 3/8 16 UNC. This suspension system permits for a full rotation of the luminaire in 90° increments. The housing is complete with a watertight access cap mechanically secured with two captive screws, giving access to the driver. Rated IP66.

Access-Mechanism

Made of cast aluminum 356 technical, ring with latch and hinge. The mechanism shall offer tool free access to the Light engine.

Light Engine

LEDgine composed of 4 main components: LED lamp / Optical System / Heat Sink / Driver. Electrical components are RoHS compliant.

LEx F Lens

Flat Lens: Made of soda lime tempered glass, mechanically assembled and sealed onto the ring of the access mechanism. Dark Sky compliant with 0% uplight and U0 per IESNA TM 15.

LEx S Lens

Sag Lens: Made of soda lime clear tempered glass, mechanically assembled and sealed onto the ring of the access mechanism.

LED Module

Composed of high-performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985K +/- .275K or 3710K to 4260K) or Warm white, 3000 Kelvin nominal (3045K +/- .175K or 2870K to 3220K), CRI 70 Min. 75 Typical.

Optical System

Composed of high performance optical polymer refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. System is rated IP66. Performance shall be tested per LM 63, LM 79 and TM 15 (IESNA) certifying its photometric performance. Street side indicated.

Heat Sink

Made of cast aluminum optimizing the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).

Driver

High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 and 347

to 480 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max. Maximum ambient operating temperature from 40°F (40°C) to 130°F (55°C). Certified in compliance to UL1310 cULus requirement. Dry and damp location. Assembled on a unitized removable tray with Tyco quick disconnect plug resisting to 221°F (105°C). Dimmable driver 0-10V. The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 2.5kV (min).

Surge Protector

Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid State Street Lighting Consortium) model specification for LED Urban luminaires electrical immunity requirements for High Test Level 10kV / 10kA.

Driver options

AST: Pre-set driver for progressive start-up of the LED module(s) to optimize energy management and enhance visual comfort at start-up.

CLO: Pre-set driver to manage the lumen depreciation by adjusting the power given to the LEDs offering the same lighting intensity during the entire lifespan of the LED module.

DMG: Dimmable driver 0-10V.

OTL: Pre-set driver to signal end of life of the LED module(s) for better fixture management.

CDMG: Dynadimmer standard dimming functionalities including pre-programmed scenarios to suit many applications and needs from safety to maximum energy savings.

DALI: Pre-set driver compatible with DALI control system.

SRD: Sensor Ready Driver including SR communication (used for dimming and other functionalities), 24V auxiliary supply and a logical signal input (LSI) connected to the top NEMA twist lock receptacle.

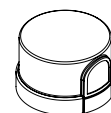
SRD1: Sensor Ready Driver including SR communication (used for dimming and other functionalities) but with 24V auxiliary supply and a logical signal input (LSI) not connected to the top NEMA twist lock.

Order Code	Scenario	Dim. Time	Dim. Level
CDMG525	Safety	4 hours	25% power
CDMG550	Safety	4 hours	50% power
CDMG575	Safety	4 hours	75% power
CDMG25	Median	6 hours	25% power
CDMG50	Median	6 hours	50% power
CDMG75	Median	6 hours	75% power
CDMG25	Economy	8 hours	25% power
CDMG50	Economy	8 hours	50% power
CDMG75	Economy	8 hours	75% power

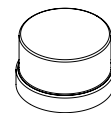
Luminaire options



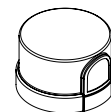
HS
House side shield



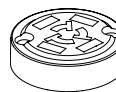
PH8 (allows a 90° rotation)
Photoelectric Cell, Twist-lock Type complete with receptacle.



PH9
Shorting cap, Twist-lock Type complete with receptacle.



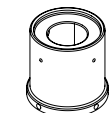
PHXL (allows a 90° rotation)
Extended life photoelectric cell, Twist-lock Type complete with receptacle.



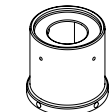
RCD
Receptacle 5-pins allowing dimming, can be used with a twist-lock Starsense, shorting cap or a photoelectric cell.



RCD7
Receptacle 7-pins.



TN3
Fitter to fit over a 3" (76 mm) O.D. by 4" (102 mm) tenon.



TN3.5
Fitter to fit over a 3-1/2" (89 mm) O.D. by 4" (102 mm) tenon.



BX
Bird repellent.



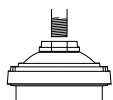
DH
Opaque decorative hood.

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Specifications (continued)

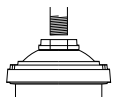
Adapters



MA1

The luminaire is suspended by means of a mounting adapter with a 1 1/4" (32mm) NPT threaded hole accepting a threaded tube

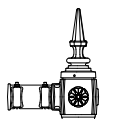
from the mounting. Retrofit adapter for existing mounting.



MA2

The luminaire is suspended by means of a mounting adapter with a 1 1/2" (38mm) NPT threaded hole accepting threaded tube

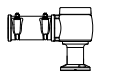
from the mounting. Retrofit adapter for existing mounting.



SMA

The luminaire is suspended by means of a decorative side-mounted cast aluminum adapter. This adapter accepts tubes from

1 5/8" to 2 3/8" (41 to 60 mm) and is adjustable to more or less 5°. The adapter features a cast aluminum decorative cover and finial.



SMB

The luminaire is suspended by means of a decorative side-

mounted cast aluminum adapter. This adapter accepts tubes from 1 5/8" to 2 3/8" (41 to 60 mm) and is adjustable to more or less 5°.

Finish

Color to be in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with ± 1 mils/24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

Textured Finishes:

BE2TX: Midnight Blue

BE6TX: Ocean Blue

BE8TX: Royal Blue

BG2TX: Sandstone

BKTX: Black

BRTX: Bronze

GN4TX: Blue Green

GN6TX: Forest Green

GN8TX: Dark Forest Green

GNTX: Green

GY3TX: Medium Grey

RD2TX: Burgundy

RD4TX: Scarlet

WHTX: White

Other Finishes:

GR: Gray Sandtex

NP: Natural Alum.

TG: Hammer-tone

Gold

TS: Hammer-tone

Silver

LED manufacturing standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340 5 1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Hardware

All exposed screws shall be stainless steel with Ceramic primer seal basecoat to reduce seizing of the parts. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Wiring

Gauge (#14) TEW/AWM 1015 or 1230 wires, 6" (152mm) minimum exceeding from luminaire.

Quality Control

Manufactured to ISO 9001 2008 and ISO 14001 2004 International Quality Standards Certification.

Vibration Resistance

Meets the ANSI C136.31, American National Standard for Roadway Luminaire Vibration specifications for Bridge/overpass applications. (Tested for 3G over 100 000 cycles by an independent lab).

Service Tag

Each individual luminaire is uniquely identifiable, thanks to the Service tag application. With a simple scan of a QR code, placed inside the luminaire, you gain instant access to the luminaire configuration, making installation and maintenance operations faster and easier, no matter what stage of the luminaire's lifetime. Just download the APP and register your product right away.

For more details visit: signify.com/servicetag

Certifications and Compliance

CSA, cULus Listed for Canada and USA. MetroScape is on the DesignLights Consortium (DLC) Qualified Products List (QPL).

