

Catalog Number	
Notes	Type

MGLEDM

Mongoose Medium LED



The Mongoose Medium LED offset roadway and area lighting product provides significant energy and maintenance savings vs. HID luminaires. It offers the ultimate in application flexibility with a uniquely designed advanced optical system and attractive appearance. This combined with multiple lighting distributions, mounting options and the ability to tilt the fixture offers unequalled performance in a diverse set of applications ranging from interstates and parking lots.

Mechanical

- Rugged grade A360 diecast aluminum (<1% copper)
- Tool-less access with stainless steel latches
- Terminal block in arm
- Rigorous 5-stage pretreatment polyester topcoat to ensure maximum durability that achieves a scribe creepage rating of 8 after 5,000 hours of salt spray
- Removable "power tray" facilitates maintenance
- Corrosion resistant stainless-steel latches ensure secure closure over the long fixture life
- Horizontal mast arms or vertical tenon (VH) and universal mounting to round and square poles (UN) options
- Universal mount mates to all major manufacturer's hole patterns
- All Mountings are 3G vibration rated per ANSI C136.31
- Adjustable fixture tilt from 0-45 degrees provides flexibility to optimize lighting performance

Electrical

- Standard surge protection is 20kV/10kA "Extreme Level" per ANSI C136.2
- LED light engines are rated > 100,000 at 25°C, L70
- Electronic driver has an expected life of > 100,000 hours at 25°C
- Rated for -40°C / (-40°F) minimum ambient
- Programmable electronic driver with 0-10V control leads
- Driver voltage options: 120-277V 50/60 Hz and 347 50/60 Hz and 480V 50/60 Hz
- Luminaire ships with a 0-10v dimmable driver. Luminaire is continuous and step dimming capable via AO option or controls installed on P7 photocontrol receptacle option.

Optical

- Performance is comparable to 150-400 watt HPS or 175-1,000 watt MH
- IP66 rated borosilicate glass optics ensure longevity and minimize dirt depreciation
- IP66 rated optics

- Molded Silicone optics: Area (Type 5) (AR), Forward Throw (FT), Medium Roadway (MR), Narrow Roadway (NR) and Wide Roadway (WR)
- Borosilicate glass refractor optics: Area (AG), Forward Throw (FG), Medium Roadway (MG), Narrow Roadway (NG) and Wide Roadway (WG)
- 3000K, 4000K and 5000K CCT, 70 CRI
- Optional Uplight Skirt (US) when used with refractor ensures zero uplight above 90°
- House side shield (HSS), light trespass shield and option available
- Wire guard kit option available

Controls

- 7 pin NEMA photocontrol receptacle
- Premium solid-state locking-style photocontrol (PCSS) – 10 year rated life
- Extreme long life solid state locking-style photocontrol (PCLL) – 20 year rated life
- Field adjustable output
- nLight Air motion and daylight sensor
- Programmable motion and daylight sensor

Certification & Standards

- CSA Certified to US and Canadian standards
- Suitable for operation in an ambient temperature up to 40°C / 104°F for standard product
- Designlights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN ACT

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

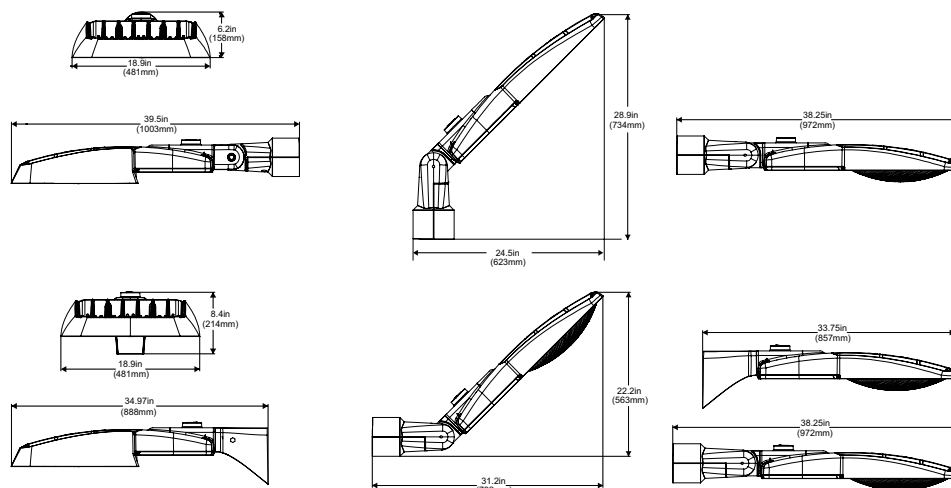
Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C



DIMENSIONAL DATA



Mounting/Optic	Tilt	Weight	EPA
VH	0°	35 lbs.	1.64 sq. ft.
VH with Refractor & US		44 lbs.	
VH	45°	35 lbs.	2.85 sq. ft.
VH with Refractor & US		44 lbs.	
UN	0°	31 lbs.	1.64 sq. ft.
UN with Refractor & US		38 lbs.	

ORDERING INFORMATION

Example: MGLEDM P2 40K MVOLT FT UN GRSD

Series	LED performance package	Color temperature	Voltage	Optics
MGLEDM Mongoose Medium	P1 15,400 Lumens P2 19,000 Lumens P3 22,400 Lumens P4 25,800 Lumens P5 28,900 Lumens P6 31,900 Lumens P7 35,100 Lumens P8 38,000 Lumens	30K 3,000 K CCT 40K 4,000 K CCT 50K 5,000 K CCT	MVOLT Auto-sensing voltage (120 thru 277) 347 347 Volt 480 480 Volt	AG Area with Refractor AR Area FG Forward Throw with Refractor FT Forward Throw MG Medium Roadway with Refractor MR Medium Roadway NG Narrow Roadway with Refractor NR Narrow Roadway WG Wide Roadway with Refractor WR Wide Roadway

Mounting	Super Durable Paint	Options	NEMA Label Options
VH Vertical Tenon/ Horizontal Arm UN Universal (Rd. & Sq)	GRSD Vitraccoat Gray GHSD Vitraccoat Graphite BKSD Vitraccoat Black GNSD Vitraccoat Green WHSD Vitraccoat White BZSD Vitraccoat Bronze DDBSD Vitraccoat Dark Bronze	<u>Adjustable/Programmable Options</u> AO Field Adjustable Output <u>Control Options</u> PCLL DTL Extreme Long Life Twistlock Photocontrol for Solid State (20 year rated life) PCSS DSS Premium Twistlock Photocontrol for Solid State (10 year rated life) POC2 ¹ Programmable occ. and daylight sensor, for mounting applications up to 20' POC4 ¹ Programmable occ. and daylight sensor, for mounting applications between 20' & 40' RSDGR nLight Air Occ. and daylight sensor MISC Mex	NEMA LABEL <u>NEMA Receptacle Options</u> PR7 7-pin Photocontrol Receptacle <u>Shielding Options</u> US Uplight Skirt HSS House Side Shield <u>Shorting Cap Option</u> SH SHORTING CAP

Accessories: Order as separate catalog number.	
<u>Wire Guard Kit</u>	
MGLEDM WG	Mongoose Medium Wire Guard Kit
<u>Light Trespass Shield</u>	
MGLEDM LTS	Mongoose Medium Light Trespass Shield
<u>Uplight Skirt</u>	
MGLEDM US GRSD	Mongoose Medium Uplight Skirt, Vitraccoat Gray
MGLEDM US GHSD	Mongoose Medium Uplight Skirt, Vitraccoat Graphite
MGLEDM US BKSD	Mongoose Medium Uplight Skirt, Vitraccoat Black
MGLEDM US GNSD	Mongoose Medium Uplight Skirt, Vitraccoat Green
MGLEDM US WHSD	Mongoose Medium Uplight Skirt, Vitraccoat White
MGLEDM US BZSD	Mongoose Medium Uplight Skirt, Vitraccoat Bronze
MGLEDM US DDBSD	Mongoose Medium Uplight Skirt, Vitraccoat Dark Bronze
<u>House Side Shield</u>	
MGLEDM HSS	Mongoose Medium House Side Shield

Notes

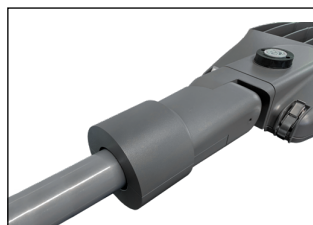
- For custom programming of the sensor, a wireless handheld configuration tool, Part No. FSIR-100 should be purchased, either from Legrand, or from Acuity (by special request).
- NL not available with POC2, POC4 or RSDGR.

MOUNTING OPTIONS



Vertical Tenon/Horizontal Arm Mount – VH

Attaches to 2" vertical tenon or horizontal mast arm (2 3/8" O.D.)



Universal Mount – UN

Attaches to square or 3" minimum round pole



OPTIONS MATRIX

Mounting	SELECTED OPTION (start here)								
	AO	PR7	PCLL	PCSS	POC2	POC4	RSDGR	SH	
Controls	AO		Y	Y	Y	N	N	N	Y
	PR7	Y		Y	Y	N	N	N	Y
	PCLL	Y	Y		N	N	N	N	N
	PCSS	Y	Y	N		N	N	N	N
	POC2	N	N	N	N		N	N	N
	POC4	N	N	N	N	N		N	N
	RSDGR	N	N	N	N	N	N		N
Voltage	SH	Y	Y	N	N	N	N	N	
	MVOLT	Y	Y	Y	Y	Y	Y	Y	Y
	347	Y	Y	Y	N	Y	Y	Y	Y
Performance Packages	480	Y	Y	Y	N	Y	Y	Y	Y
	P1	Y	Y	Y	Y	Y	Y	Y	Y
	P2	Y	Y	Y	Y	Y	Y	Y	Y
	P3	Y	Y	Y	Y	Y	Y	Y	Y
	P4	Y	Y	Y	Y	Y	Y	Y	Y
	P5	Y	Y	Y	Y	Y	Y	Y	Y
	P6	Y	Y	Y	Y	Y	Y	Y	Y
	P7	Y	Y	Y	Y	Y	Y	Y	Y
P8	Y	Y	Y	Y	Y	Y	Y	Y	

Y = Valid Option Combination
 N = Combination Not available

LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Temperature		Ambient Temperature (°C) Lumen Multiplier							
°C	°F	P1	P2	P3	P4	P5	P6	P7	P8
0	32	1.03	1.03	1.03	1.03	1.04	1.04	1.04	1.05
5	41	1.02	1.02	1.03	1.03	1.03	1.03	1.03	1.04
10	50	1.02	1.02	1.02	1.02	1.02	1.02	1.03	1.03
15	59	1.01	1.01	1.01	1.01	1.02	1.02	1.02	1.02
20	68	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
25	77	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

PERFORMANCE DATA

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P1	AG	105	15,680	149	4	2	2	16,129	154	4	2	2	16,329	156	4	2	2	0.97	0.97	0.96
	AR		16,915	161	4	0	2	17,400	166	4	0	2	17,616	168	4	0	2			
	FG		14,519	138	2	3	3	14,935	142	2	3	3	15,120	144	3	3	3			
	FT		15,763	150	2	0	3	16,215	154	2	0	3	16,416	156	2	0	3			
	MG		15,064	143	2	2	2	15,496	148	2	2	2	15,687	149	3	2	2			
	MR		16,193	154	2	0	2	16,657	159	3	0	3	16,863	161	3	0	3			
	NG		15,292	146	3	2	2	15,731	150	3	2	2	15,925	152	3	2	2			
	NR		16,326	155	3	0	2	16,794	160	3	0	2	17,002	162	3	0	2			
	WG		14,577	139	3	2	3	14,994	143	3	2	3	15,180	145	3	2	3			
	WR		15,746	150	3	0	3	16,198	154	3	0	3	16,398	156	3	0	3			
P2	AG	126	19,225	153	4	2	2	19,776	157	4	2	2	20,021	159	4	3	2	0.97	0.97	0.96
	AR		20,740	165	4	0	2	21,335	169	4	0	2	21,599	171	4	0	2			
	FG		17,802	141	3	3	3	18,313	145	3	3	4	18,539	147	3	3	4			
	FT		19,328	153	3	0	4	19,882	158	3	0	4	20,128	160	3	0	4			
	MG		18,470	147	3	2	3	19,000	151	3	2	3	19,235	153	3	2	3			
	MR		19,854	158	3	0	3	20,423	162	3	0	3	20,676	164	3	0	3			
	NG		18,750	149	3	2	2	19,288	153	3	2	2	19,527	155	3	2	3			
	NR		20,018	159	3	0	2	20,592	163	3	0	2	20,847	165	3	0	2			
	WG		17,873	142	3	3	3	18,385	146	3	3	3	18,613	148	3	3	3			
	WR		19,307	153	3	0	3	19,860	158	3	0	3	20,106	160	3	0	3			
P3	AG	155	22,726	147	4	3	2	23,377	151	4	3	2	23,667	153	4	3	2	0.97	0.96	0.96
	AR		24,517	158	4	0	2	25,219	163	5	0	3	25,532	165	5	0	3			
	FG		21,044	136	3	3	4	21,647	140	3	3	4	21,915	141	3	3	4			
	FT		22,847	147	3	0	4	23,502	152	3	0	4	23,793	154	3	0	4			
	MG		21,833	141	3	3	3	22,459	145	3	3	3	22,737	147	3	3	3			
	MR		23,469	151	3	0	3	24,142	156	3	0	3	24,441	158	3	0	3			
	NG		22,164	143	3	2	3	22,799	147	3	2	3	23,082	149	3	2	3			
	NR		23,663	153	3	0	3	24,341	157	3	0	3	24,643	159	3	0	3			
	WG		21,127	136	3	3	3	21,732	140	3	3	3	22,001	142	3	3	3			
	WR		22,822	147	3	0	3	23,476	151	3	0	3	23,767	153	3	0	3			
P4	AG	180	26,107	145	4	3	2	26,855	149	4	3	2	27,188	151	4	3	2	0.97	0.96	0.95
	AR		28,164	156	5	0	3	28,972	161	5	0	3	29,330	163	5	0	3			
	FG		24,175	134	3	3	4	24,868	138	3	3	4	25,176	140	3	3	4			
	FT		26,246	146	3	0	5	26,998	150	3	0	5	27,333	152	3	0	5			
	MG		25,082	139	3	3	3	25,800	143	3	3	3	26,120	145	3	3	3			
	MR		26,961	150	3	0	3	27,734	154	3	0	3	28,077	156	3	0	3			
	NG		25,462	141	3	3	3	26,192	146	3	3	3	26,516	147	3	3	3			
	NR		27,184	151	3	0	3	27,963	155	3	0	3	28,309	157	3	0	3			
	WG		24,270	135	3	3	3	24,966	139	3	3	3	25,275	140	3	3	3			
	WR		26,218	146	3	0	3	26,969	150	3	0	3	27,303	152	3	0	3			

PERFORMANCE DATA (continued)

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P5	AG	206	29,340	142	4	3	2	30,181	147	5	3	3	30,555	148	5	3	3	0.96	0.96	0.95
	AR		31,653	154	5	0	3	32,560	158	5	0	3	32,963	160	5	0	3			
	FG		27,169	132	3	3	5	27,947	136	3	3	5	28,294	137	3	3	5			
	FT		29,497	143	3	0	5	30,342	147	3	0	5	30,718	149	3	0	5			
	MG		28,188	137	3	3	3	28,996	141	3	3	3	29,355	143	3	3	3			
	MR		30,300	147	3	0	3	31,169	151	3	0	3	31,555	153	3	0	3			
	NG		28,615	139	4	3	3	29,436	143	4	3	3	29,800	145	4	3	3			
	NR		30,550	148	4	0	3	31,426	153	4	0	3	31,815	154	4	0	3			
	WG		27,276	132	3	3	3	28,058	136	3	3	3	28,405	138	3	3	3			
	WR		29,465	143	3	0	3	30,309	147	3	0	3	30,685	149	3	0	3			
P6	AG	230	32,375	141	5	3	3	33,303	145	5	3	3	33,715	147	5	3	3	0.96	0.95	0.94
	AR		34,926	152	5	0	3	35,927	156	5	0	3	36,372	158	5	0	3			
	FG		29,978	130	3	3	5	30,838	134	3	3	5	31,220	136	3	3	5			
	FT		32,547	142	3	0	5	33,480	146	3	0	5	33,894	147	3	0	5			
	MG		31,103	135	3	3	3	31,995	139	3	3	3	32,391	141	3	3	3			
	MR		33,434	145	3	0	4	34,392	150	3	0	4	34,818	151	3	0	4			
	NG		31,575	137	4	3	3	32,480	141	4	3	3	32,882	143	4	3	3			
	NR		33,710	147	4	0	3	34,676	151	4	0	3	35,105	153	4	0	3			
	WG		30,097	131	4	3	4	30,960	135	4	3	4	31,343	136	4	3	4			
	WR		32,512	141	3	0	4	33,444	145	3	0	4	33,858	147	4	0	4			
P7	AG	255	35,515	139	5	3	3	36,533	143	5	3	3	36,986	145	5	3	3	0.96	0.95	0.93
	AR		38,314	150	5	0	4	39,412	155	5	0	4	39,900	156	5	0	4			
	FG		32,886	129	3	3	5	33,829	133	4	3	5	34,248	134	4	3	5			
	FT		35,704	140	3	0	5	36,728	144	4	0	5	37,183	146	4	0	5			
	MG		34,120	134	3	3	3	35,098	138	3	3	3	35,533	139	4	3	3			
	MR		36,677	144	3	0	4	37,728	148	3	0	4	38,195	150	3	0	4			
	NG		34,638	136	4	3	3	35,630	140	4	3	3	36,072	141	4	3	3			
	NR		36,980	145	4	0	3	38,040	149	4	0	3	38,511	151	4	0	3			
	WG		33,017	129	4	3	4	33,963	133	4	3	4	34,383	135	4	3	4			
	WR		35,666	140	4	0	4	36,688	144	4	0	4	37,142	146	4	0	4			
P8	AG	280	38,510	138	5	3	3	39,614	141	5	3	3	40,104	143	5	3	3	0.95	0.93	0.92
	AR		41,545	148	5	0	4	42,735	153	5	0	4	43,265	155	5	0	4			
	FG		35,659	127	4	3	5	36,681	131	4	3	5	37,136	133	4	3	5			
	FT		38,715	138	4	0	5	39,824	142	4	0	5	40,318	144	4	0	5			
	MG		36,997	132	4	3	3	38,058	136	4	3	3	38,529	138	4	3	3			
	MR		39,770	142	4	0	4	40,909	146	4	0	4	41,416	148	4	0	4			
	NG		37,558	134	4	3	3	38,635	138	4	3	3	39,113	140	4	3	3			
	NR		40,098	143	4	0	3	41,247	147	4	0	3	41,758	149	4	0	3			
	WG		35,800	128	4	3	4	36,827	132	4	3	4	37,283	133	4	3	4			
	WR		38,673	138	4	0	4	39,782	142	4	0	4	40,274	144	4	0	4			

PERFORMANCE DATA — SKIRT OPTION

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P1	AG	105	14,813	141	3	0	2	15,237	145	3	0	2	15,426	147	3	0	2	0.97	0.97	0.96
	AR		16,041	153	4	0	2	16,500	157	4	0	2	16,705	159	4	0	2			
	FG		13,647	130	3	0	2	14,038	134	3	0	2	14,212	135	3	0	2			
	FT		14,662	140	2	0	2	15,082	144	2	0	2	15,269	145	2	0	2			
	MG		14,623	139	2	0	2	15,042	143	3	0	2	15,228	145	3	0	2			
	MR		15,485	147	2	0	2	15,928	152	2	0	2	16,126	154	2	0	2			
	NG		14,965	143	3	0	2	15,394	147	3	0	2	15,585	148	3	0	2			
	NR		15,868	151	3	0	2	16,323	155	3	0	2	16,525	157	3	0	2			
	WG		13,943	133	3	0	2	14,343	137	3	0	2	14,521	138	3	0	2			
	WR		14,571	139	3	0	2	14,989	143	3	0	2	15,174	145	3	0	2			
P2	AG	126	18,162	144	4	0	2	18,683	148	4	0	2	18,914	150	4	0	2	0.97	0.97	0.96
	AR		19,668	156	4	0	2	20,232	161	4	0	2	20,482	163	4	0	2			
	FG		16,733	133	3	0	2	17,212	137	3	0	2	17,426	138	3	0	2			
	FT		17,978	143	3	0	3	18,493	147	3	0	3	18,722	149	3	0	3			
	MG		17,929	142	3	0	2	18,443	146	3	0	2	18,672	148	3	0	2			
	MR		18,986	151	3	0	2	19,530	155	3	0	3	19,772	157	3	0	3			
	NG		18,349	146	3	0	2	18,875	150	3	0	2	19,109	152	3	0	2			
	NR		19,456	154	3	0	2	20,014	159	3	0	2	20,262	161	3	0	2			
	WG		17,097	136	3	0	3	17,587	140	3	0	3	17,804	141	3	0	3			
	WR		17,866	142	3	0	2	18,378	146	3	0	3	18,606	148	3	0	3			
P3	AG	155	21,469	139	4	0	2	22,084	142	4	0	2	22,358	144	4	0	2	0.97	0.96	0.96
	AR		23,249	150	4	0	2	23,915	154	4	0	2	24,211	156	4	0	2			
	FG		19,779	128	3	0	2	20,346	131	3	0	3	20,598	133	3	0	3			
	FT		21,251	137	3	0	3	21,860	141	3	0	3	22,131	143	3	0	3			
	MG		21,194	137	3	0	3	21,801	141	3	0	3	22,071	142	3	0	3			
	MR		22,443	145	3	0	3	23,086	149	3	0	3	23,372	151	3	0	3			
	NG		21,690	140	3	0	2	22,312	144	3	0	2	22,588	146	3	0	2			
	NR		22,999	148	3	0	2	23,658	153	3	0	2	23,951	155	3	0	2			
	WG		20,209	130	3	0	3	20,788	134	3	0	3	21,046	136	3	0	3			
	WR		21,119	136	3	0	3	21,724	140	3	0	3	21,993	142	3	0	3			
P4	AG	180	24,663	137	4	0	2	25,370	141	4	0	2	25,685	143	4	0	2	0.97	0.96	0.95
	AR		26,708	148	4	0	2	27,474	153	4	0	2	27,814	155	4	0	2			
	FG		22,722	126	3	0	3	23,374	130	3	0	3	23,663	131	3	0	3			
	FT		24,413	136	3	0	3	25,113	140	3	0	3	25,424	141	3	0	3			
	MG		24,347	135	3	0	3	25,045	139	3	0	3	25,355	141	3	0	3			
	MR		25,782	143	3	0	3	26,521	147	3	0	3	26,850	149	3	0	3			
	NG		24,917	138	3	0	2	25,631	142	3	0	2	25,949	144	4	0	2			
	NR		26,421	147	3	0	2	27,178	151	3	0	2	27,515	153	3	0	2			
	WG		23,216	129	3	0	3	23,882	133	3	0	3	24,177	134	3	0	3			
	WR		24,261	135	3	0	3	24,957	139	3	0	3	25,266	140	3	0	3			

PERFORMANCE DATA — UPLIGHT SKIRT OPTION (continued)

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P5	AG	206	27,718	135	4	0	2	28,513	138	4	0	2	28,866	140	4	0	2	0.96	0.96	0.95
	AR		30,016	146	5	0	3	30,876	150	5	0	3	31,259	152	5	0	3			
	FG		25,536	124	3	0	3	26,268	128	3	0	3	26,594	129	3	0	3			
	FT		27,437	133	3	0	4	28,223	137	3	0	4	28,572	139	3	0	4			
	MG		27,362	133	3	0	3	28,147	137	3	0	3	28,495	138	3	0	3			
	MR		28,975	141	3	0	3	29,806	145	3	0	3	30,175	146	3	0	3			
	NG		28,003	136	4	0	2	28,806	140	4	0	2	29,163	142	4	0	2			
	NR		29,693	144	4	0	2	30,544	148	4	0	2	30,922	150	4	0	2			
	WG		26,091	127	3	0	3	26,839	130	3	0	3	27,172	132	3	0	3			
	WR		27,266	132	3	0	3	28,048	136	3	0	3	28,395	138	3	0	3			
P6	AG	230	30,585	133	5	0	2	31,461	137	5	0	2	31,851	138	5	0	2	0.96	0.95	0.94
	AR		33,120	144	5	0	3	34,069	148	5	0	3	34,491	150	5	0	3			
	FG		28,177	123	3	0	3	28,985	126	3	0	3	29,344	128	3	0	3			
	FT		30,274	132	3	0	4	31,142	135	3	0	4	31,527	137	3	0	4			
	MG		30,192	131	3	0	3	31,058	135	3	0	3	31,442	137	3	0	3			
	MR		31,972	139	3	0	3	32,888	143	3	0	3	33,296	145	3	0	3			
	NG		30,899	134	4	0	2	31,785	138	4	0	2	32,178	140	4	0	2			
	NR		32,764	142	4	0	2	33,703	147	4	0	3	34,120	148	4	0	3			
	WG		28,790	125	4	0	3	29,615	129	4	0	3	29,982	130	4	0	3			
	WR		30,086	131	3	0	3	30,948	135	3	0	3	31,331	136	4	0	3			
P7	AG	255	33,551	132	5	0	3	34,513	135	5	0	3	34,941	137	5	0	3	0.96	0.95	0.93
	AR		36,333	142	5	0	3	37,374	147	5	0	3	37,837	148	5	0	3			
	FG		30,911	121	4	0	4	31,797	125	4	0	4	32,190	126	4	0	4			
	FT		33,211	130	4	0	4	34,163	134	4	0	4	34,586	136	4	0	4			
	MG		33,121	130	4	0	3	34,070	134	4	0	3	34,492	135	4	0	3			
	MR		35,073	138	3	0	3	36,079	141	4	0	3	36,526	143	4	0	3			
	NG		33,897	133	4	0	2	34,868	137	4	0	3	35,300	138	4	0	3			
	NR		35,942	141	4	0	3	36,972	145	4	0	3	37,430	147	4	0	3			
	WG		31,582	124	4	0	3	32,488	127	4	0	3	32,890	129	4	0	3			
	WR		33,004	129	4	0	3	33,950	133	4	0	3	34,371	135	4	0	3			
P8	AG	280	36,380	130	5	0	3	37,423	134	5	0	3	37,887	135	5	0	3	0.95	0.93	0.92
	AR		39,396	141	5	0	3	40,526	145	5	0	3	41,027	147	5	0	3			
	FG		33,517	120	4	0	4	34,478	123	4	0	4	34,905	125	4	0	4			
	FT		36,011	129	4	0	4	37,043	132	4	0	4	37,502	134	4	0	4			
	MG		35,914	128	4	0	3	36,943	132	4	0	3	37,401	134	4	0	3			
	MR		38,031	136	4	0	4	39,121	140	4	0	4	39,605	141	4	0	4			
	NG		36,755	131	4	0	3	37,808	135	4	0	3	38,276	137	4	0	3			
	NR		38,972	139	4	0	3	40,089	143	4	0	3	40,586	145	4	0	3			
	WG		34,245	122	4	0	3	35,227	126	4	0	3	35,663	127	4	0	3			
	WR		35,787	128	4	0	4	36,813	131	4	0	4	37,269	133	4	0	4			

PERFORMANCE DATA — HOUSE SIDE SHIELD OPTION

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P1	AG	105	6,999	67	1	2	2	7,199	69	1	2	2	7,288	69	1	2	2	0.97	0.97	0.96
	AR		9,980	95	1	2	2	10,266	98	1	2	2	10,393	99	1	2	2			
	FG		9,965	95	1	2	3	10,251	98	1	2	3	10,378	99	1	2	3			
	FT		11,584	110	1	2	3	11,916	113	1	2	3	12,064	115	1	2	3			
	MG		11,335	108	1	2	2	11,660	111	1	2	2	11,804	112	1	2	2			
	MR		12,900	123	1	2	2	13,270	126	1	2	2	13,435	128	1	2	2			
	NG		13,205	126	1	2	2	13,584	129	1	2	2	13,752	131	1	2	2			
	NR		13,221	126	1	2	2	13,599	130	1	2	2	13,768	131	1	2	2			
	WG		10,624	101	1	2	2	10,928	104	1	2	2	11,064	105	1	2	2			
	WR		12,269	117	2	2	3	12,621	120	2	2	3	12,777	122	2	2	3			
P2	AG	126	8,581	68	1	2	2	8,827	70	1	2	2	8,937	71	1	2	2	0.97	0.97	0.96
	AR		12,237	97	1	2	2	12,588	100	1	2	2	12,743	101	1	2	2			
	FG		12,219	97	1	3	3	12,569	100	1	3	3	12,725	101	1	3	3			
	FT		14,204	113	1	2	3	14,611	116	1	3	3	14,792	117	1	3	3			
	MG		13,898	110	1	2	2	14,297	113	1	2	2	14,474	115	1	2	2			
	MR		15,818	126	2	2	2	16,271	129	2	2	2	16,473	131	2	2	2			
	NG		16,191	129	1	2	3	16,655	132	1	2	3	16,861	134	1	2	3			
	NR		16,210	129	1	2	3	16,675	132	1	2	3	16,881	134	1	2	3			
	WG		13,026	103	1	2	3	13,400	106	2	2	3	13,566	108	2	2	3			
	WR		15,043	119	2	2	3	15,475	123	2	2	3	15,666	124	2	2	3			
P3	AG	155	10,144	65	1	2	2	10,434	67	1	2	2	10,564	68	1	2	2	0.97	0.96	0.96
	AR		14,465	93	1	2	3	14,879	96	1	2	3	15,064	97	1	2	3			
	FG		14,443	93	1	3	3	14,857	96	1	3	3	15,041	97	1	3	3			
	FT		16,790	108	1	3	3	17,271	111	1	3	3	17,485	113	1	3	3			
	MG		16,429	106	2	2	2	16,900	109	2	2	3	17,109	110	2	2	3			
	MR		18,698	121	2	2	3	19,233	124	2	2	3	19,472	126	2	2	3			
	NG		19,139	123	2	2	3	19,688	127	2	3	3	19,931	129	2	3	3			
	NR		19,161	124	1	2	3	19,711	127	1	2	3	19,955	129	1	2	3			
	WG		15,398	99	2	2	3	15,839	102	2	3	3	16,035	103	2	3	3			
	WR		17,782	115	2	2	3	18,292	118	2	2	3	18,518	119	2	2	3			
P4	AG	180	11,653	65	1	2	2	11,987	67	1	2	2	12,135	67	1	2	2	0.97	0.96	0.95
	AR		16,617	92	1	2	3	17,093	95	1	2	3	17,305	96	1	2	3			
	FG		16,592	92	1	3	3	17,068	95	1	3	3	17,279	96	1	3	3			
	FT		19,288	107	1	3	4	19,841	110	1	3	4	20,086	112	1	3	4			
	MG		18,873	105	2	3	3	19,414	108	2	3	3	19,655	109	2	3	3			
	MR		21,480	119	2	2	3	22,095	123	2	2	3	22,369	124	2	2	3			
	NG		21,987	122	2	3	3	22,617	126	2	3	3	22,897	127	2	3	3			
	NR		22,012	122	2	2	3	22,643	126	2	2	3	22,924	127	2	2	3			
	WG		17,689	98	2	3	3	18,196	101	2	3	3	18,421	102	2	3	3			
	WR		20,428	113	2	2	3	21,014	117	2	2	3	21,274	118	2	2	3			

PERFORMANCE DATA — HOUSE SIDE SHIELD OPTION (continued)

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P5	AG	206	13,096	64	1	2	2	13,472	65	1	2	2	13,638	66	1	2	2	0.96	0.96	0.95
	AR		18,675	91	1	3	3	19,210	93	1	3	3	19,448	94	1	3	3			
	FG		18,647	91	1	3	4	19,182	93	1	3	4	19,419	94	1	3	4			
	FT		21,677	105	1	3	4	22,298	108	1	3	4	22,574	110	1	3	4			
	MG		21,211	103	2	3	3	21,819	106	2	3	3	22,089	107	2	3	3			
	MR		24,140	117	2	2	3	24,832	121	2	2	3	25,139	122	2	2	3			
	NG		24,710	120	2	3	3	25,418	123	2	3	3	25,733	125	2	3	3			
	NR		24,739	120	2	3	3	25,448	124	2	3	3	25,763	125	2	3	3			
	WG		19,880	97	2	3	3	20,450	99	2	3	3	20,703	101	2	3	3			
	WR		22,958	111	2	2	3	23,616	115	2	2	3	23,909	116	3	2	3			
P6	AG	230	14,451	63	1	3	3	14,865	65	1	3	3	15,049	65	1	3	3	0.96	0.95	0.94
	AR		20,606	90	1	3	3	21,197	92	1	3	3	21,459	93	1	3	4			
	FG		20,576	89	1	3	4	21,165	92	1	3	4	21,428	93	1	3	4			
	FT		23,918	104	1	3	4	24,604	107	1	3	4	24,909	108	1	3	4			
	MG		23,404	102	2	3	3	24,075	105	2	3	3	24,373	106	2	3	3			
	MR		26,636	116	2	2	3	27,400	119	2	2	3	27,739	121	2	2	4			
	NG		27,265	119	2	3	3	28,047	122	2	3	3	28,394	123	2	3	3			
	NR		27,297	119	2	3	3	28,079	122	2	3	3	28,427	124	2	3	3			
	WG		21,936	95	2	3	3	22,564	98	2	3	3	22,844	99	2	3	3			
	WR		25,332	110	3	2	3	26,058	113	3	2	3	26,381	115	3	2	4			
P7	AG	255	15,852	62	1	3	3	16,307	64	1	3	3	16,509	65	1	3	3	0.96	0.95	0.93
	AR		22,605	89	1	3	4	23,253	91	1	3	4	23,541	92	1	3	4			
	FG		22,572	89	2	3	4	23,219	91	2	3	4	23,506	92	2	3	4			
	FT		26,239	103	1	3	4	26,991	106	1	3	4	27,325	107	2	3	4			
	MG		25,675	101	2	3	3	26,411	104	2	3	3	26,738	105	2	3	3			
	MR		29,220	115	2	3	4	30,058	118	3	3	4	30,430	119	3	3	4			
	NG		29,910	117	2	3	3	30,767	121	2	3	3	31,148	122	2	3	3			
	NR		29,945	117	2	3	3	30,803	121	2	3	3	31,185	122	2	3	3			
	WG		24,063	94	2	3	3	24,753	97	2	3	3	25,060	98	2	3	3			
	WR		27,790	109	3	3	4	28,586	112	3	3	4	28,940	113	3	3	4			
P8	AG	280	17,189	61	1	3	3	17,682	63	1	3	3	17,901	64	1	3	3	0.95	0.93	0.92
	AR		24,511	88	1	3	4	25,214	90	1	3	4	25,526	91	1	3	4			
	FG		24,475	87	2	3	4	25,176	90	2	3	4	25,488	91	2	3	4			
	FT		28,451	102	2	3	4	29,266	105	2	3	4	29,629	106	2	3	4			
	MG		27,840	99	2	3	3	28,638	102	2	3	3	28,992	104	2	3	3			
	MR		31,684	113	3	3	4	32,592	116	3	3	4	32,996	118	3	3	4			
	NG		32,432	116	2	3	3	33,362	119	2	3	4	33,775	121	2	3	4			
	NR		32,470	116	2	3	3	33,401	119	2	3	3	33,814	121	2	3	3			
	WG		26,092	93	2	3	3	26,840	96	3	3	4	27,173	97	3	3	4			
	WR		30,133	108	3	3	4	30,996	111	3	3	4	31,380	112	3	3	4			

PERFORMANCE DATA — UPLIGHT SKIRT + HOUSE SIDE SHIELD OPTION

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P1	AG	105	8,036	77	1	0	2	8,266	79	1	0	2	8,368	80	1	0	2	0.97	0.97	0.96
	AR		9,275	88	1	0	2	9,541	91	1	0	2	9,659	92	1	0	2			
	FG		8,948	85	1	0	2	9,204	88	1	0	2	9,318	89	1	0	2			
	FT		10,422	99	1	0	2	10,720	102	1	0	2	10,853	103	1	0	2			
	MG		10,580	101	1	0	2	10,884	104	1	0	2	11,018	105	1	0	2			
	MR		12,257	117	1	0	2	12,609	120	1	0	2	12,765	122	1	0	2			
	NG		11,030	105	1	0	2	11,347	108	1	0	2	11,487	109	1	0	2			
	NR		12,554	120	1	0	2	12,914	123	1	0	2	13,074	125	1	0	2			
	WG		9,525	91	1	0	2	9,798	93	1	0	2	9,919	94	1	0	2			
	WR		10,983	105	1	0	2	11,298	108	1	0	2	11,438	109	1	0	2			
P2	AG	126	9,853	78	1	0	2	10,135	80	1	0	2	10,261	81	1	0	2	0.97	0.97	0.96
	AR		11,373	90	1	0	2	11,699	93	1	0	2	11,844	94	1	0	2			
	FG		10,971	87	1	0	2	11,286	90	1	0	2	11,425	91	1	0	2			
	FT		12,778	101	1	0	2	13,145	104	1	0	2	13,307	106	1	0	2			
	MG		12,973	103	1	0	2	13,345	106	1	0	2	13,510	107	1	0	2			
	MR		15,029	119	1	0	2	15,460	123	1	0	2	15,651	124	1	0	2			
	NG		13,525	107	1	0	2	13,912	110	1	0	2	14,085	112	1	0	2			
	NR		15,393	122	1	0	2	15,835	126	1	0	2	16,031	127	1	0	2			
	WG		11,678	93	1	0	2	12,013	95	1	0	2	12,162	97	1	0	2			
	WR		13,467	107	2	0	2	13,853	110	2	0	2	14,024	111	2	0	2			
P3	AG	155	11,647	75	1	0	2	11,981	77	1	0	2	12,129	78	1	0	2	0.97	0.96	0.96
	AR		13,444	87	1	0	2	13,829	89	1	0	2	14,000	90	1	0	2			
	FG		12,969	84	1	0	2	13,340	86	1	0	2	13,506	87	1	0	2			
	FT		15,105	97	1	0	3	15,538	100	1	0	3	15,730	101	1	0	3			
	MG		15,335	99	1	0	2	15,774	102	1	0	2	15,970	103	2	0	2			
	MR		17,765	115	2	0	2	18,275	118	2	0	2	18,501	119	2	0	2			
	NG		15,987	103	1	0	2	16,445	106	1	0	2	16,649	107	1	0	2			
	NR		18,196	117	1	0	2	18,718	121	1	0	2	18,949	122	1	0	2			
	WG		13,805	89	2	0	2	14,200	92	2	0	2	14,376	93	2	0	2			
	WR		15,918	103	2	0	2	16,375	106	2	0	2	16,577	107	2	0	2			
P4	AG	180	13,380	74	1	0	2	13,452	75	1	0	2	13,934	77	1	0	2	0.97	0.96	0.95
	AR		15,444	86	1	0	3	15,457	86	1	0	3	16,083	89	1	0	3			
	FG		14,898	83	1	0	2	15,253	85	1	0	2	15,515	86	1	0	2			
	FT		17,352	96	1	0	3	17,705	98	1	0	3	18,071	100	1	0	3			
	MG		17,617	98	2	0	2	17,937	100	2	0	2	18,346	102	2	0	2			
	MR		20,409	113	2	0	3	20,784	115	2	0	3	21,254	118	2	0	3			
	NG		18,366	102	2	0	2	18,649	104	2	0	2	19,126	106	2	0	2			
	NR		20,903	116	2	0	2	21,201	118	2	0	2	21,769	121	2	0	2			
	WG		15,859	88	2	0	2	16,313	91	2	0	2	16,515	92	2	0	2			
	WR		18,287	102	2	0	2	18,617	103	2	0	2	19,044	106	2	0	2			

PERFORMANCE DATA — UPLIGHT SKIRT + HOUSE SIDE SHIELD OPTION (continued)

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P5	AG	206	15,037	73	1	0	2	15,468	75	1	0	2	15,659	76	1	0	2	0.96	0.96	0.95
	AR		17,356	84	1	0	3	17,854	87	1	0	3	18,075	88	1	0	3			
	FG		16,743	81	2	0	3	17,223	84	2	0	3	17,437	85	2	0	3			
	FT		19,501	95	1	0	3	20,060	97	2	0	3	20,309	99	2	0	3			
	MG		19,798	96	2	0	2	20,366	99	2	0	2	20,618	100	2	0	2			
	MR		22,936	111	2	0	3	23,594	115	2	0	3	23,886	116	2	0	3			
	NG		20,641	100	2	0	2	21,232	103	2	0	2	21,495	104	2	0	2			
	NR		23,492	114	2	0	2	24,166	117	2	0	2	24,465	119	2	0	2			
	WG		17,823	87	2	0	2	18,333	89	2	0	2	18,561	90	2	0	2			
	WR		20,552	100	2	0	2	21,141	103	2	0	3	21,403	104	2	0	3			
P6	AG	230	16,592	72	1	0	2	17,067	74	1	0	2	17,279	75	1	0	2	0.96	0.95	0.94
	AR		19,151	83	1	0	3	19,700	86	1	0	3	19,944	87	1	0	3			
	FG		18,475	80	2	0	3	19,005	83	2	0	3	19,240	84	2	0	3			
	FT		21,518	94	2	0	4	22,135	96	2	0	4	22,409	97	2	0	4			
	MG		21,846	95	2	0	2	22,472	98	2	0	2	22,750	99	2	0	2			
	MR		25,308	110	2	0	3	26,034	113	2	0	3	26,356	115	2	0	3			
	NG		22,775	99	2	0	2	23,428	102	2	0	2	23,718	103	2	0	2			
	NR		25,922	113	2	0	2	26,665	116	2	0	3	26,995	117	2	0	3			
	WG		19,666	86	2	0	2	20,229	88	2	0	2	20,480	89	2	0	2			
	WR		22,677	99	2	0	3	23,327	101	2	0	3	23,616	103	2	0	3			
P7	AG	255	18,201	71	1	0	3	18,723	73	2	0	3	18,955	74	2	0	3	0.96	0.95	0.93
	AR		21,009	82	1	0	3	21,611	85	1	0	3	21,879	86	1	0	3			
	FG		20,267	79	2	0	3	20,848	82	2	0	3	21,106	83	2	0	3			
	FT		23,606	93	2	0	4	24,282	95	2	0	4	24,583	96	2	0	4			
	MG		23,965	94	2	0	3	24,652	97	2	0	3	24,957	98	2	0	3			
	MR		27,763	109	2	0	3	28,559	112	2	0	3	28,913	113	2	0	3			
	NG		24,984	98	2	0	2	25,701	101	2	0	2	26,019	102	2	0	2			
	NR		28,436	112	2	0	3	29,251	115	2	0	3	29,614	116	2	0	3			
	WG		21,573	85	2	0	2	22,192	87	2	0	2	22,467	88	2	0	2			
	WR		24,877	98	2	0	3	25,590	100	2	0	3	25,907	102	2	0	3			
P8	AG	280	19,736	70	2	0	3	20,302	73	2	0	3	20,553	73	2	0	3	0.95	0.93	0.92
	AR		22,781	81	2	0	3	23,434	84	2	0	4	23,724	85	2	0	4			
	FG		21,976	78	2	0	3	22,606	81	2	0	3	22,886	82	2	0	3			
	FT		25,596	91	2	0	4	26,330	94	2	0	4	26,656	95	2	0	4			
	MG		25,986	93	2	0	3	26,730	95	2	0	3	27,062	97	2	0	3			
	MR		30,104	108	2	0	3	30,967	111	2	0	4	31,351	112	3	0	4			
	NG		27,091	97	2	0	2	27,868	100	2	0	2	28,213	101	2	0	2			
	NR		30,834	110	2	0	3	31,718	113	2	0	3	32,111	115	2	0	3			
	WG		23,393	84	2	0	2	24,063	86	2	0	3	24,361	87	2	0	3			
	WR		26,975	96	3	0	3	27,748	99	3	0	3	28,091	100	3	0	3			