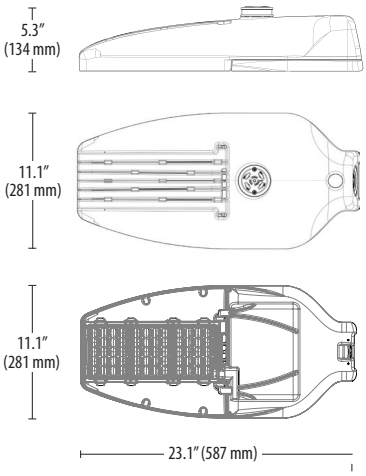
NXT LITE

NXT-LITE-M SPECIFICATIONS



Housing:	Single-piece, die-cast aluminum alloy with low copper content.
Operating Temperature:	-40°C to +40°C Standard (+50°C Optional[1])
Mounting:	1.625" - 2.375" (42 - 60 mm) O.D. tenons.
Weight:	15 lbs (6.8 kg)
EPA Rating:	0.366 ft^2 (0.034 m^2)
Lens Material:	PMMA acrylic. IK09 rated, borosilicate glass optional.
Ingress Protection:	Power supply and optical assembly are IP66 rated per IEC 60529/ANSI C136.25. Luminaire is rated for wet locations.
Warranty:	5-year warranty.
Finish:	Durable polyester powdercoat topcoat.
Available Colors:	GREY (RAL-7035) BLACK (RAL-9005)

	NXT-LITE M (60 LEDs)									
ELECTRICAL										
Power Consumption (W)	126	144	167	181	196	212	230	249	268	286
Drive Currents (mA)	350	400	466	500	560	600	650	700	750	800
LED Voltage (V)	6									
Input Voltage (V)	120 - 277V (Standard), 347 - 480V (Optional)									
Surge Protection	Meets ANSI C136.2-2023 extreme electrical transient immunity requirements (20kV/10kA).									
Power Factor	>0.90									
Receptacle	7-PIN receptacle (ANSI C136.41)									

OPTICS & PERFORMANCE										
Photometry (Distribution)	2ES (Type II Max Throw) , 3LM (Type III Medium), G2S (Glass Type II Max Throw), G3M (Glass Type III Medium), 4AT (Type IV High Throw), G4T (Glass Type IV), 5RM (Type V Round).									
Color Temperature (CCT)	5000K, 4000K, 3000K, 2700K, 2200K.									
Color Rendering Index (CRI)	70									
4000K Fixture Efficacy (Lm/W)	178	174	172	171	171	169	163	163	157	158
4000K Fixture Output (Lm)	22,450	25,200	28,650	30,900	33,750	35,850	37,650	40,750	42,350	45,200
3000K Fixture Efficacy (Lm/W)	172	169	165	163	163	160	155	155	149	149
3000K Fixture Output (Lm)	21,650	24,400	27,600	29,400	32,000	34,000	35,650	38,700	40,000	42,900
2700K Fixture Efficacy (Lm/W)	167	165	161	158	158	156	151	151	145	145
2700K Fixture Output (Lm)	21,150	23900	26,900	28,600	31,300	33,150	34,800	37,700	39,100	41,850
2200K Fixture Efficacy (Lm/W)	147	146	142	139	139	138	133	133	128	128
2200K Fixture Output (Lm)	18,600	21,100	23,750	25,250	27,650	29,300	30,700	33,300	34,500	36,950
LED L70 (Hours)	> 100,000 hours @ maximum drive current.									

1. NXT-LITE-M: All wattages 230W and below can be rated to +50 °C. The +50 °C ambient rating kit must be selected in the Additional Features & Special Selections section of the order guide. -40 °C for fixed installation only. 2. Not all model configurations are DLC qualified - consult factory for details. 3. Only products with a CCT of 3000K (or less) meet International Dark Sky Association requirements.

Performance data above refers to Type 2ES PMMA optic without glass protector. Values shown are subject to ±5% tolerance. Color temperatures shown are ±300K.
Illustrated Above: NXT-LITE-M in grey (RAL 7035).

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NXT LITE

NXT-LITE-M SPECIFICATIONS

ORDERING INFORMATION

Example catalog number: L6-60M-5-7-2ES-1-S-GY-4-UL-2-S-A-XXXX

SERIES	LEDS/BODY	VOLTAGE	RECEPTACLE	OPTICS	POWER	
L6	**60M**					
L6 - NXT-LITE	**60M** - Medium	**5** - 120 - 277V **6** - 347 - 480V	**7** - 7-PIN Receptacle (C136.41) **S** - Solid Top (No Receptacle)* **Y** - 7-PIN Receptacle (C136.41) on top, Zhaga (Book 18) sensor port on luminaire door. *	**2ES** - Type II Max Throw **3LM** - Type III Medium **G2S** - Glass Type II Max Throw **G3M** - Glass Type III Medium **4AT** - Type IV High Throw **G4T** - Glass Type IV **5RM** - Type V Round	**3** - 126W (350mA) **T**- 144W (400mA) **J** - 167W (466mA) **R** - 181W (500mA) **V**- 196W (560mA)	**6**-212W (600mA) **K**-230W (650mA) **7**-249W (700mA) **G**-268W (750mA) **L**-286W (800mA)

DRIVER OPTION[4]	FINISH	COLOR TEMP (CCT)[5]	CERTIFICATION	MOUNTING METHOD	WIRING CHAMBER	SURGE PROTECTION
						A
S - Standard Dimming (1-10V) **2** - DALI-2 **Z** - DALI-2 + D4i	**GY** - Grey (RAL 7035) **BK** - Black (RAL 9005)	**5** -5000K **4** - 4000K **3** - 3000K **2** - 2700K **D** - 2200K	**UL** - cULus **CE** - European **NM** - NOM - Mexico[6]	**2** - 2-Bolt Horizontal Mount **4** - 4-Bolt Horizontal Mount*	**S** - Standard **F**- Field Adjustable Output (FAO) Switch[7]	**A** - 20 kV / 10 kA Fail-Off

CATALOG NUMBER:

L6-60M-_-_-_-_-_-_-_-_-_-_-A-_-_-_-_-

CLEAR FORM

ADDITIONAL FEATURES & SPECIAL SELECTIONS*

MOUNTING ARM	PHOTOCELL / SHORTING CAP		PRE-WIRED LEADS 16 AWG - 600V		HIGH AMBIENT KIT	SPR
M1 - wood pole (12 in) **M2** - wood pole (24 in)	**PHOTOCELL**	**SHORTING CAP**	**2 WIRE (STANDARD)**	**3 WIRE (W/GND)**	**50**- +50 ° C ambient rating Kit[7]	If applicable, insert 4 digit Special Product Request code (SPR)
	PC1 - 120-277V Up **PC2** - 120-277V Side **PC3** - 480V Side **PC4** - 347V Side	**SC1** - 120-480V	**06** - 6 ft **01** - 10 ft **02** - 20 ft	**L1** - 10 ft **L2** -20 ft **L6** - 6 ft		

Project Name:	Comments
Quantity:	
Approved By:	
Date:	

* Non-standard configuration. Consult factory for lead time . 4. If Memory Banks (DALI Part 251) info is to be populated, separate form 'DALI Ordering Guide' will need to be filled in and submitted for the order to be processed. 5. Other color temperatures available. 6. NOM certification only supports models up to 700mA drive current. 7. Requires S - Standard Dimming (1-10V) option. 8. LITE-M: All wattages 230W and below can be rated to +50 °C. Select Hight Ambient Kit 50.

Information provided is subject to change without notice. LED ROADWAY LIGHTING supplies and warrants luminaires and proprietary control systems only. It is the responsibility of the client to select lighting poles and mounting arms that are suitable for the application (including but not limited to wind loading, seismic requirements, etc.) and the characteristics of the luminaire (e.g. EPA rating), and to confirm integrity and suitability of existing poles and mounting arms prior to installation. Copyright © 2026 LED ROADWAY LIGHTING LTD. All rights reserved.

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NXT LITE

NXT-LITE-M SPECIFICATIONS. OPTIONS AND ACCESSORIES

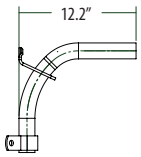
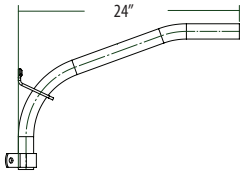
ABOUT THE FIELD ADJUSTABLE OUTPUT SWITCH (FAO)

Manually adjust luminaire wattage and lumen output in the field using the FAO. Seven output levels. Using the chart below, multiply the nominal lumens to arrive at the reduced values. Typical accuracy is +/- 10%. For exact lumen values by configuration, see the FAO reference charts for each model.
When using a control node set FAO to A. Stepped dimming only.

FAO SWITCH SETTING	LUMEN MULTIPLIER (AVG)	WATTAGE OUTPUT FOR EACH MODEL									
		3	T	J	R	V	6	K	7	G	L
		126W	144W	167W	184W	196W	212W	230W	249W	268W	286W
A	100%	126	144	167	181	196	212	230	249	268	286
B	89%	114	131	152	164	180	195	211	229	246	263
C	78%	99	114	132	143	150	163	177	191	206	220
D	68%	84	96	111	121	127	137	149	161	173	185
E	57%	69	79	92	99	104	113	122	132	142	152
F	49%	55	63	73	79	83	89	97	105	113	121
G	35%	42	48	55	60	63	68	74	80	86	92
H	27%	29	33	38	41	44	47	51	56	60	64

MOUNTING ARMS

Mounting arms are available for NXT-LITE. 12" and 24" mounting arms can ship in the box with the luminaire. Use the part numbers below if ordering separately.

LRL-MTL0109-LF = (M1) 12" wood pole mounting arm	LRL-MTL0247 = (M2) 24" wood pole mounting arm
	

PHOTOCELL & SHORTING CAP

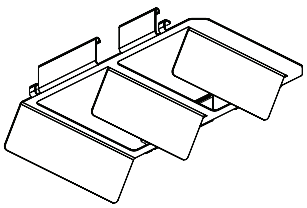
Photocell and Shorting Cap may be ordered to ship in the box with the luminaire, or ordered as an accessory. Use the part numbers below if ordering separately.

			VOLTAGE	STYLE	IP RATING	MOV/SURGE	ON/OFF
Photocell Options	PC1	LRL-65223-LF	120-277V	Upward facing sensor, long life	IP65	320 J	Fail-on
	PC2	101200-00	120-277V	Side facing sensor, long life	IP65	460 J	Fail-on
	PC3	10104-001	480V	Side facing sensor, long life	IP65	460 J	Fail-on
	PC4	LRL-65261-LF	347V	Side facing sensor, long life	IP65	560 J	Fail-on
Shorting Cap Options	SC1	LRL-66326-LF	120-480V Shorting Cap				

LIGHT TRESPASS SHIELD (REVERSIBLE) ACCESSORY ONLY

A light trespass shield is available for NXT-LITE. Shield is reversible for house-side or front-side application. Shields are ordered as an accessory and ship separately from luminaire.

LRL-MTL0163-LF = Light trespass shield for NXT-LITE-M



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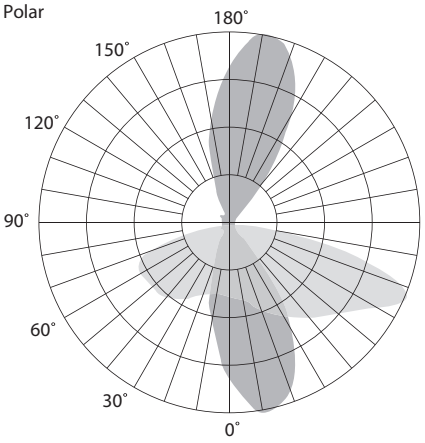
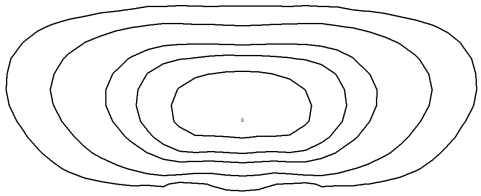
NXT LITE

NXT-LITE-M OPTICS & PERFORMANCE

2ES POLAR CURVES AND ISOLINES TYPE II MAX THROW

2ES Polar





2ES (TYPE II MAX THROW)										
2ES	TEMPERATURE									
WATTAGE	5000K		4000K		3000K		2700K		2200K	
	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W
126W	22,450	178	22,450	178	21,650	172	21,150	168	18,650	148
144W	25,050	174	25,050	174	24,400	169	23,750	165	20,950	146
167W	28,650	172	28,650	172	27,600	165	26,900	161	23,750	142
181W	30,900	172	30,900	172	29,400	163	28,600	159	25,250	140
196W	33,750	172	33,750	172	32,050	164	31,300	160	27,650	141
212W	35,850	169	35,850	169	34,000	161	33,150	157	29,300	138
230W	37,650	164	37,650	164	35,650	155	34,800	151	30,700	134
249W	40,750	164	40,750	164	38,700	155	37,700	152	33,300	134
268W	42,350	158	42,350	158	40,000	150	39,100	146	34,500	129
286W	45,200	158	45,200	158	42,900	150	41,850	146	36,950	129
82W	12,800	158	12,800	158	12,250	152	11,950	148	10,550	130

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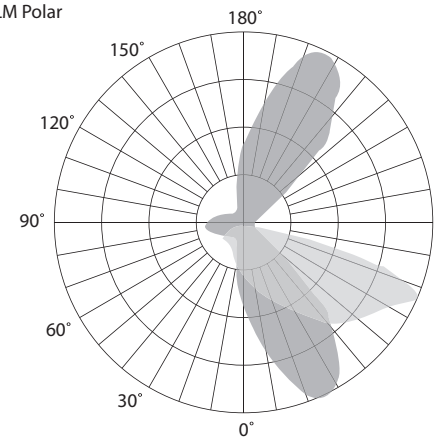
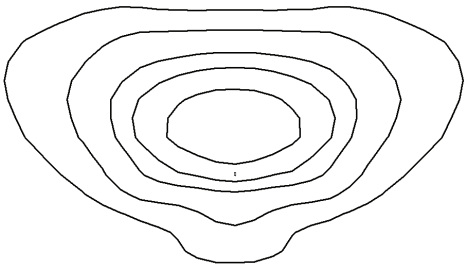
NXT LITE

NXT-LITE-M OPTICS & PERFORMANCE

3LM POLAR CURVES AND ISOLINES TYPE II MAX THROW

3LM Polar





3LM (TYPE III MEDIUM)										
3LM	TEMPERATURE									
WATTAGE	5000K		4000K		3000K		2700K		2200K	
	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W
126W	22,850	182	22,850	182	21,700	172	21,150	168	18,650	148
144W	25,650	178	25,650	178	24,350	169	23,750	165	20,950	146
167W	29,050	174	29,050	174	27,600	165	26,900	161	23,750	142
181W	31,050	172	31,050	172	29,450	163	28,750	159	25,400	140
196W	33,800	172	33,800	172	32,050	164	31,250	160	27,600	141
212W	35,300	167	35,300	167	34,050	161	33,200	157	29,300	138
230W	37,600	164	37,600	164	35,700	155	34,800	151	30,700	134
249W	40,100	161	40,100	161	38,700	156	37,750	152	33,300	134
268W	42,250	158	42,250	158	40,100	150	39,100	146	34,550	129
286W	44,800	157	44,800	157	42,950	150	41,850	146	36,950	129

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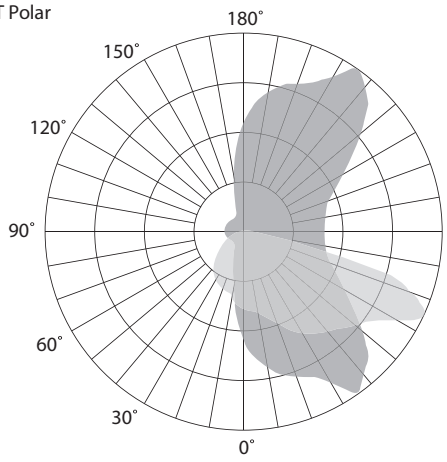
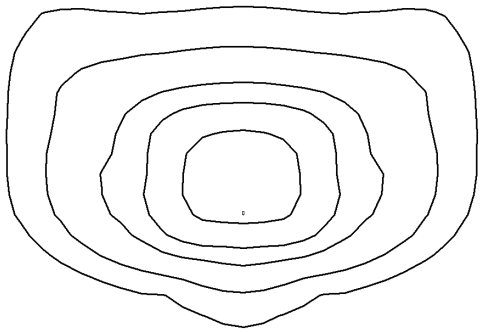
NXT LITE

NXT-LITE-M OPTICS & PERFORMANCE

4AT POLAR CURVES AND ISOLINES TYPE IV HIGH THROW

4AT Polar





4AT (TYPE IV HIGH THROW)										
4AT	TEMPERATURE									
WATTAGE	5000K		4000K		3000K		2700K		2200K	
	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W
126W	21,900	174	21,900	174	21,150	168	20,650	164	18,200	145
144W	24,450	170	24,450	170	23,750	165	23,150	161	20,450	142
167W	27,950	168	27,950	168	26,900	161	26,250	157	23,150	139
181W	30,300	168	30,300	168	28,750	159	28,050	155	24,750	137
196W	32,900	168	32,900	168	31,250	160	30,500	156	26,900	137
212W	35,000	165	35,000	165	33,200	157	32,350	153	28,550	135
230W	36,750	160	36,750	160	34,800	151	33,950	148	29,950	130
249W	39,800	160	39,800	160	37,750	152	36,800	148	32,500	131
268W	41,350	154	41,350	154	39,100	146	38,150	142	33,700	126
286W	44,100	154	44,100	154	41,900	147	40,850	143	36,050	126

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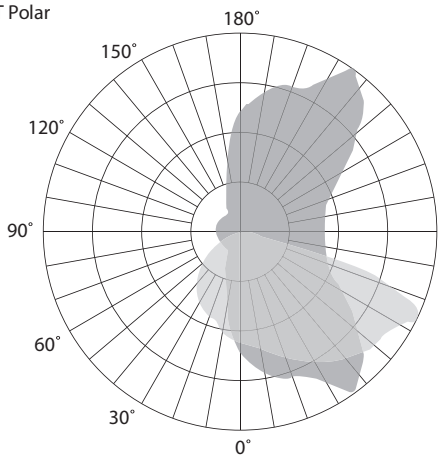
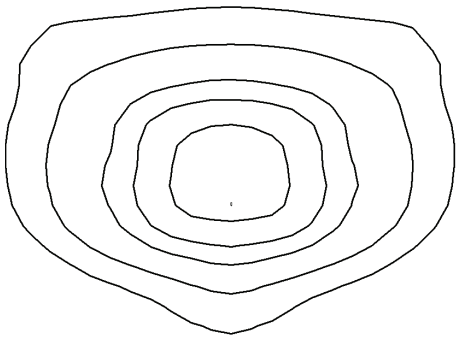
NXT LITE

NXT-LITE-M OPTICS & PERFORMANCE

G4T POLAR CURVES AND ISOLINES GLASS TYPE IV

G4T Polar





G4T (GLASS TYPE IV)										
G4T	TEMPERATURE									
WATTAGE	5000K		4000K		3000K		2700K		2200K	
	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W
126W	20,300	161	20,300	161	19,200	152	18,700	149	16,500	131
144W	22,650	158	22,650	158	21,400	149	20,850	145	18,400	128
167W	25,900	155	25,900	155	24,500	147	23,850	143	21,050	126
181W	28,200	156	28,200	156	26,650	147	25,950	144	22,900	127
196W	30,000	153	30,000	153	28,300	145	27,600	141	24,350	124
212W	31,350	148	31,350	148	29,600	140	28,850	136	25,450	120
230W	34,050	148	34,050	148	32,150	140	31,350	136	27,700	120
249W	35,500	143	35,500	143	33,550	135	32,700	131	28,850	116
268W	38,350	143	38,350	143	36,200	135	35,300	132	31,150	116
286W	41,000	143	41,000	143	38,650	135	37,700	132	33,300	116

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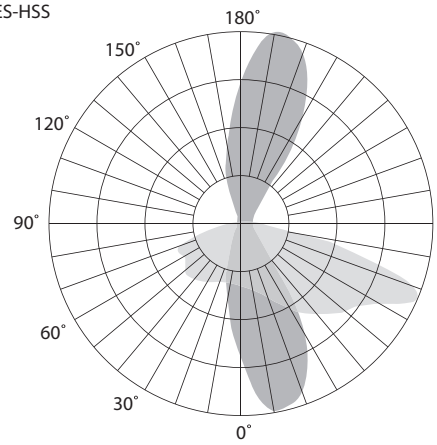
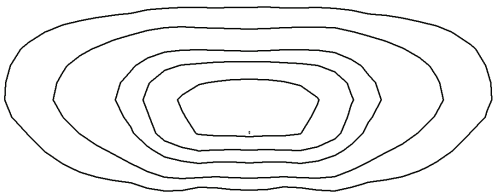
NXT LITE

NXT-LITE-M OPTICS & PERFORMANCE

2ES POLAR CURVES AND ISOLINES HSS TYPE II MAX THROW

2ES-HSS





2ES HSS (TYPE II MAX THROW)										
2ES HSS	**TEMPERATURE**									
WATTAGE	5000K		4000K		3000K		2700K		2200K	
	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W
126W	18,450	146	18,450	146	17,800	142	17,350	138	15,350	122
144W	20,550	143	20,550	143	20,000	139	19,500	136	17,200	120
167W	23,550	141	23,550	141	22,650	136	22,100	132	19,500	117
181W	25,400	141	25,400	141	24,150	134	23,550	131	20,750	115
196W	27,700	141	27,700	141	26,300	134	25,650	131	22,650	116
212W	29,500	139	29,500	139	27,950	132	27,250	129	24,050	114
230W	30,900	135	30,900	135	29,300	127	28,550	124	25,200	110
249W	33,500	135	33,500	135	31,750	128	31,000	125	27,350	110
268W	34,800	130	34,800	130	32,950	123	32,100	120	28,350	106
286W	37,100	130	37,100	130	35,250	123	34,350	120	30,350	106

LED ROADWAY LIGHTING
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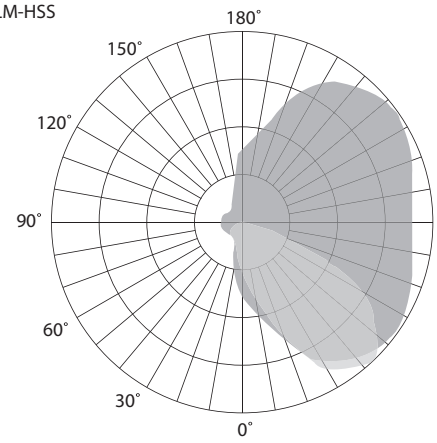
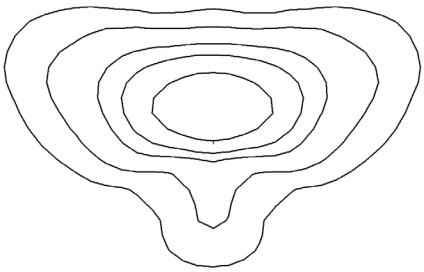
NXT LITE

NXT-LITE-M OPTICS & PERFORMANCE

3LM HSS POLAR CURVES AND ISOLINES TYPE III MEDIUM

3LM-HSS





3LM HSS (TYPE III MEDIUM)										
3LM HSS	**TEMPERATURE**									
WATTAGE	5000K		4000K		3000K		2700K		2200K	
	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W
126W	18,900	150	18,900	150	17,950	143	17,500	139	15,450	123
144W	21,250	148	21,250	148	20,150	140	19,650	137	17,350	121
167W	24,050	144	24,050	144	22,800	137	22,250	133	19,650	118
181W	25,600	142	25,600	142	24,300	135	23,700	132	20,950	116
196W	27,950	143	27,950	143	26,500	135	25,850	132	22,850	117
212W	29,250	138	29,250	138	28,150	133	27,450	130	24,250	114
230W	31,100	135	31,100	135	29,500	128	28,800	125	25,400	111
249W	33,200	133	33,200	133	32,000	129	31,200	125	27,550	111
268W	34,950	131	34,950	131	33,200	124	32,350	121	28,550	107
286W	37,050	130	37,050	130	35,500	124	34,600	121	30,550	107
82W	10,250	124	10,250	124	9,800	121	9,550	118	8,400	104

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