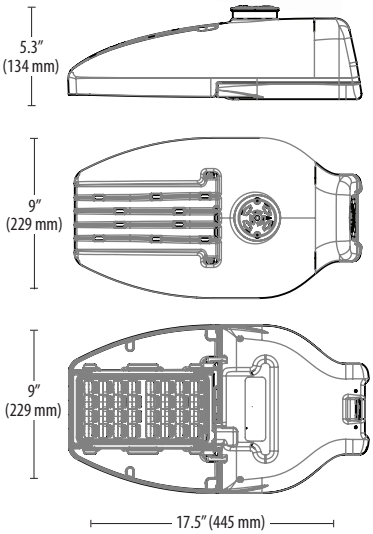
NXT LITE

NXT-LITE-I 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:	10 lbs (4.5 kg)
EPA Rating:	0.258ft^2 (0.024m^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-I (32 LEDs)									
ELECTRICAL										
Power Consumption (W)	70	80	90	100	104	114	119	129	138	145
Drive Currents (mA)	350	400	450	500	525	575	600	650	700	730
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).									
Color Temperature (CCT)	5000K, 4000K, 3000K, 2700K, 2200K.									
Color Rendering Index (CRI)	70									
4000K Fixture Efficacy (Lm/W)	172	171	168	167	165	164	163	162	162	160
4000K Fixture Output (Lm)	12,000	13,700	15,200	16,750	17,200	18,750	19,500	21,000	22,400	23,300
3000K Fixture Efficacy (Lm/W)	160	160	158	156	154	153	152	152	152	151
3000K Fixture Output (Lm)	11,050	12,800	14,200	15,600	16,050	17,500	18,150	19,600	20,900	21,900
2700K Fixture Efficacy (Lm/W)	155	155	153	152	150	149	148	148	147	145
2700K Fixture Output (Lm)	10,900	12,450	13,850	15,200	15,650	17,050	17,700	19,100	20,350	21,150
2200K Fixture Efficacy (Lm/W)	137	137	135	134	132	132	131	130	130	128
2200K Fixture Output (Lm)	9,600	11,000	12,200	13,450	13,800	15,050	15,650	16,850	18,000	18,550
LED L70 (Hours)	> 100,000 hours @ maximum drive current.									

1. NXT-LITE-I: All wattages 129W 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-I in grey (RAL 7035).

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NXT LITE

NXT-LITE-I SPECIFICATIONS

ORDERING INFORMATION

Example catalog number: L6-32i-5-7-2ES-0350-S-GY-4-UL-2-S-A-XXXX

SERIES	LEDS/BODY	VOLTAGE	RECEPTACLE	OPTICS	POWER	
L6	**32i**					
L6 - NXT - LITE	**32i** - Intermediate	**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 **4AT** - Type IV High Throw **G2S** - Glass Type II Max Throw **G3M** - Glass Type III Medium **G4T** - Glass Type IV	**0350** - 70W (350mA) **0400** - 80W (400mA) **0450** - 90W (450mA) **0500** - 100W (500mA) **0525** - 104W (525mA)	**0575** - 114W (575mA) **0600** - 119W (600mA) **0650** - 129W (650mA) **0700** - 138W (700mA) **0730** - 145W (730mA)

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	**2** - 2-Bolt Horizontal Mount* **4** - 4-Bolt Horizontal Mount*	**S** - Standard **F**- Field Adjustable Output (FAO) Switch[6]	**A** - 20 kV / 10 kA Fail-Off

CATALOG NUMBER:

L6-32i-_-_-_-_-_-_-_-_-_-_-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. Requires S - Standard Dimming (1-10V) option. 7. LITE-I: All wattages 129W 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-I SPECIFICATIONS. OPTIONS AND ACCESSORIES

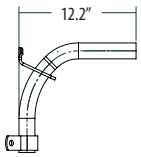
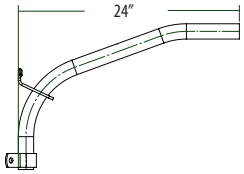
ABOUT THE FIELD ADJUSTABLE OUTPUT SWITCH (FAO)

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									
		0350	0400	0450	0500	0524	0575	0600	0650	0700	0730
		70W	80W	90W	100W	104W	114W	119W	129W	138W	145W
A	100%	70	80	90	100	104	114	119	129	138	145
B	89%	62	70	79	88	92	100	105	114	122	128
C	78%	54	61	69	76	80	87	91	99	106	111
D	68%	45	51	58	64	67	73	77	83	89	93
E	57%	37	43	48	53	56	61	64	69	74	77
F	49%	30	34	38	43	44	48	50	55	58	61
G	35%	22	25	29	32	33	36	38	41	44	46
H	27%	15	17	19	22	22	25	26	28	30	31

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

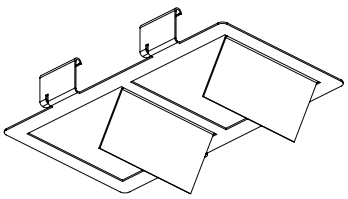
Photocell and Shorting Cap may be ordered to ship in the box with the luminaire, or ordered as an accessory. Use the part numbers below if ordering separately.

			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-MTL0246-LF = Light trespass shield for NXT-LITE-I



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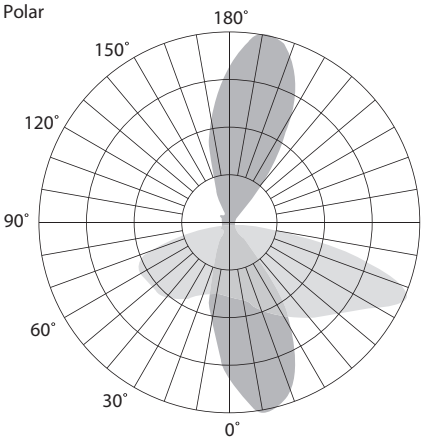
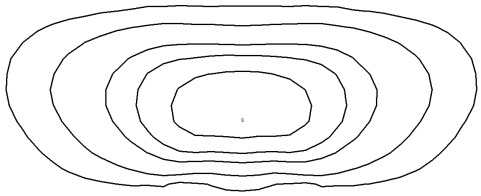
NXT LITE

NXT-LITE-I 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
70W	12,000	172	12,000	172	11,050	160	10,900	156	9,650	138
80W	13,700	172	13,700	172	12,800	160	12,450	156	11,000	138
90W	15,200	169	15,200	169	14,200	158	13,850	154	12,200	136
100W	16,750	168	16,750	168	15,600	156	15,200	152	13,450	135
104W	17,200	166	17,200	166	16,050	154	15,650	151	13,800	133
114W	18,750	165	18,750	165	17,500	154	17,050	150	15,050	132
119W	19,500	164	19,500	164	18,150	153	17,700	149	15,650	132
129W	21,000	163	21,000	163	19,600	152	19,100	148	16,850	131
138W	22,400	163	22,400	163	20,900	152	20,350	148	18,000	131
145W	23,300	163	23,300	163	21,900	152	21,150	148	18,550	131

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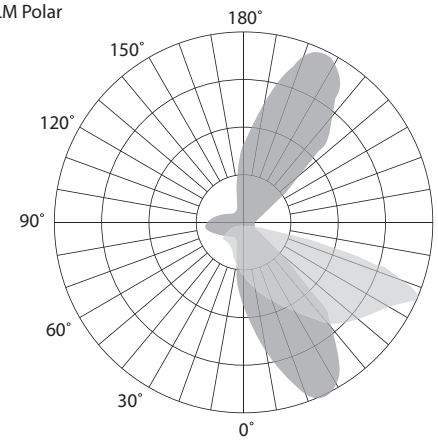
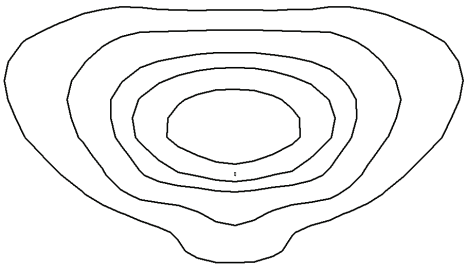
NXT LITE

NXT-LITE-I OPTICS & PERFORMANCE

3LM POLAR CURVES AND ISOLINES TYPE III MEDIUM

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
70W	12,000	171	12,000	171	11,150	160	10,900	156	9,600	138
80W	13,700	171	13,700	171	12,750	160	12,450	156	11,000	138
90W	15,200	169	15,200	169	14,150	158	13,800	154	12,200	136
100W	16,700	167	16,700	167	15,600	156	15,200	152	13,400	134
104W	17,150	165	17,150	165	16,000	154	15,600	150	13,750	133
114W	18,750	165	18,750	165	17,450	153	17,050	150	15,050	132
119W	19,450	164	19,450	164	18,150	153	17,700	149	15,600	131
129W	20,950	163	20,950	163	19,550	152	19,050	148	16,800	131
138W	22,350	162	22,350	162	20,850	151	20,350	147	17,950	130
145W	23,250	161	23,250	161	21,700	150	21,150	146	18,650	129

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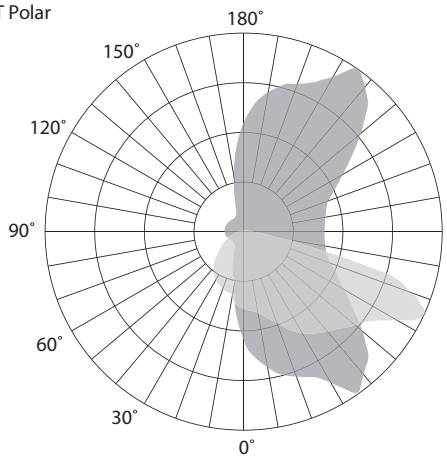
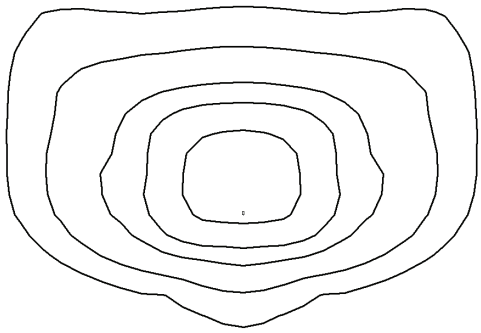
NXT LITE

NXT-LITE-I 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
70W	11,650	167	11,650	167	10,850	156	10,600	152	9,350	134
80W	13,300	167	13,300	167	12,400	155	12,100	152	10,700	134
90W	14,750	164	14,750	164	13,750	153	13,450	149	11,850	132
100W	16,250	163	16,250	163	15,150	152	14,750	148	13,050	131
104W	16,700	161	16,700	161	15,550	150	15,150	146	13,400	129
114W	18,200	160	18,200	160	17,000	149	16,550	145	14,600	128
119W	18,900	159	18,900	159	17,650	148	17,200	145	15,150	128
129W	20,350	158	20,350	158	19,000	147	18,500	144	16,350	127
138W	21,750	158	21,750	158	20,250	147	19,750	143	17,450	127
145W	22,850	158	22,850	158	21,250	147	20,750	143	18,350	127

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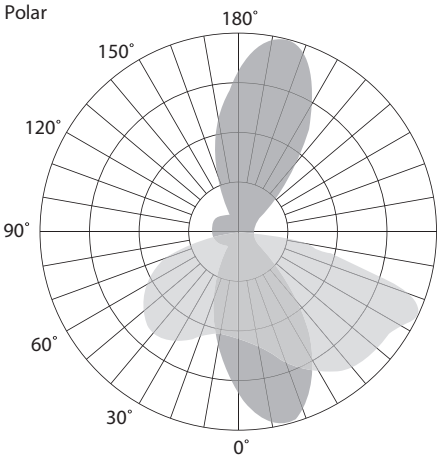
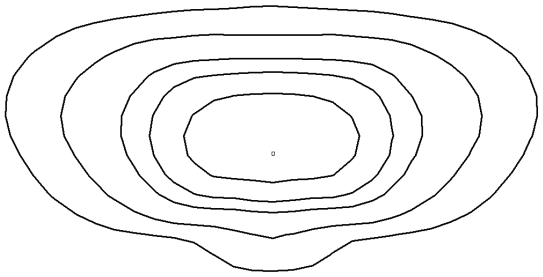
NXT LITE

NXT-LITE-I OPTICS & PERFORMANCE

G2S POLAR CURVES AND ISOLINES GLASS TYPE II MAX THROW

G2S Polar





G2S (GLASS TYPE II MAX THROW)										
G2S	TEMPERATURE									
WATTAGE	5000K		4000K		3000K		2700K		2200K	
	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W
70W	11,250	161	11,250	161	10,500	150	10,200	146	9,000	129
80W	12,850	161	12,850	161	12,000	150	11,700	146	10,300	129
90W	14,250	159	14,250	159	13,300	148	12,950	144	11,450	127
100W	15,700	157	15,700	157	14,600	146	14,250	143	12,600	126
104W	16,100	155	16,100	155	15,000	145	14,650	141	12,900	124
114W	17,600	154	17,600	154	16,400	144	16,000	140	14,100	124
119W	18,250	154	18,250	154	17,000	143	16,600	140	14,650	123
129W	19,650	153	19,650	153	18,350	142	17,900	139	15,800	123
138W	21,000	152	21,000	152	19,550	142	19,100	138	16,850	122
145W	22,050	152	22,050	152	20,500	142	20,050	138	17,700	122

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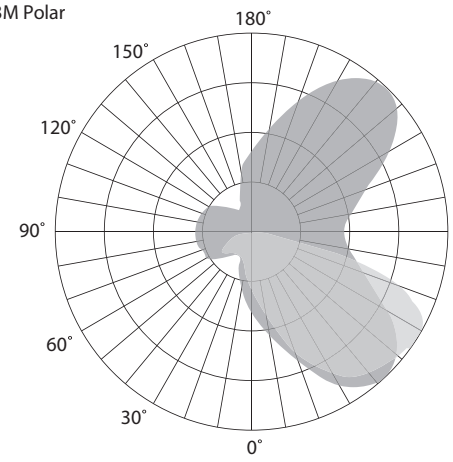
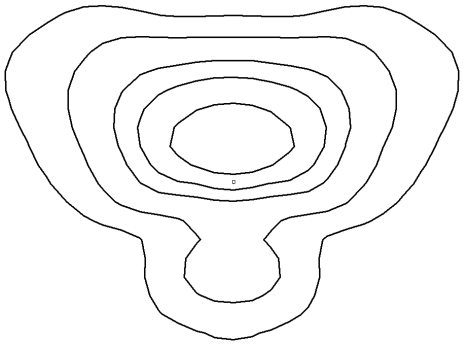
NXT LITE

NXT-LITE-I OPTICS & PERFORMANCE

G3M POLAR CURVES AND ISOLINES GLASS TYPE III MEDIUM

G3M Polar





G2S (GLASS TYPE III MEDIUM)										
G3M	TEMPERATURE									
WATTAGE	5000K		4000K		3000K		2700K		2200K	
	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W	Lumens	Lm/W
70W	11,050	158	11,050	158	10,300	147	10,050	144	8,850	127
80W	12,600	158	12,600	158	11,750	147	11,450	144	10,100	127
90W	14,000	156	14,000	156	13,050	145	12,750	142	11,250	125
100W	15,400	154	15,400	154	14,350	144	14,000	140	12,350	124
104W	15,800	152	15,800	152	14,750	142	14,400	138	12,700	122
114W	17,250	152	17,250	152	16,100	141	15,700	138	13,850	122
119W	17,900	151	17,900	151	16,700	141	16,300	137	14,400	121
129W	19,300	150	19,300	150	18,000	140	17,550	136	15,500	120
138W	20,800	151	20,800	151	19,400	141	18,950	137	16,700	121
145W	21,650	150	21,650	150	21,650	150	21,100	146	18,650	129

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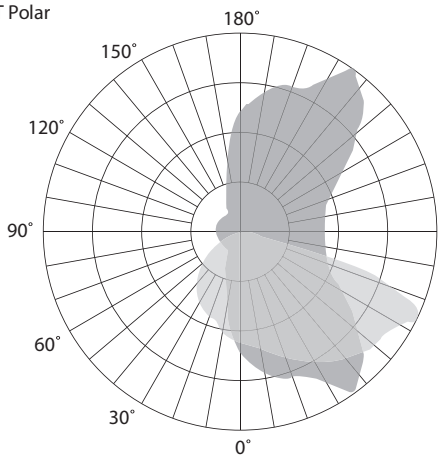
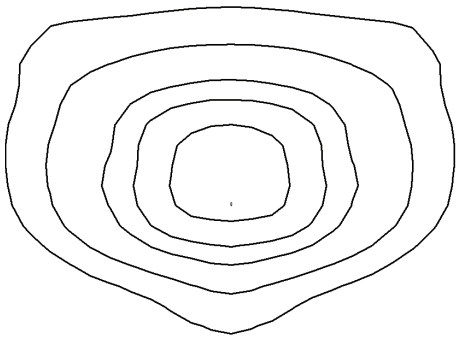
NXT LITE

NXT-LITE-I 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
70W	10,850	156	10,850	156	10,150	145	9,900	141	8,700	125
80W	12,400	155	12,400	155	11,550	145	11,300	141	9,950	125
90W	13,750	153	13,750	153	12,850	143	12,500	139	11,050	123
100W	15,150	152	15,150	152	14,150	142	13,750	138	12,150	122
104W	15,550	150	15,550	150	14,500	140	14,150	136	12,500	120
114W	17,000	149	17,000	149	15,850	139	15,450	136	13,650	120
119W	17,650	148	17,650	148	16,450	138	16,050	135	14,150	119
129W	19,000	147	19,000	147	17,700	138	17,300	134	15,250	118
138W	20,250	147	20,250	147	18,900	137	18,450	134	16,250	118
145W	21,300	147	21,300	147	19,800	137	19,350	134	17,100	118

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