

NXT™ SERIES

NXT-C SPECIFICATIONS

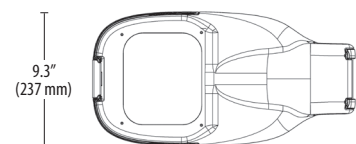
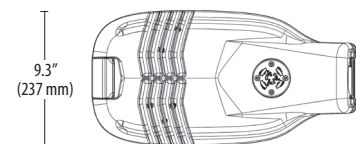
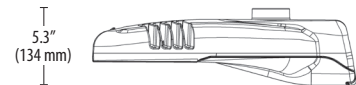
Housing:	Single piece, die-cast A360 premium aluminum alloy with <0.6% copper content
Operating Temperature:	-40 °C to +40° C (-40 °F to +104 °F) ¹
Mounting:	1.625" - 2.375" (42 - 60 mm) O.D. Tenons
Mounting Methods:	Horizontal Entry or Post-Top Mount
Weight:	12 lbs (5.4 kg)
EPA Rating:	<0.34 ft ² (< 0.032 m ²)
Lens Material:	IK09 Rated Glass
Ingress Protection:	Power Supply and optical module are located inside chamber rated IP66 per IEC 60529/ANSI C136.25. Luminaire is rated for wet locations.
Finish:	Durable polyester powdercoat topcoat

Available Colors:

GREY (RAL 7035)

BRONZE (RAL 7022)

BLACK (RAL 9005)



18.3" (465 mm)



NXT-C (12 LEDs)

ELECTRICAL						
Drive Currents (mA)	525	700	850	1050	1200	1250 ⁴
Power Consumption (W)	22	27	34	42	48	50
Input Voltage (V)	120 - 277V (Standard)					
Surge Protection	Meets the requirements of ANSI C-High (10kV / 10kA)					
Power Factor	>0.90					

OPTICS & PERFORMANCE

Photometry (Distribution)	2ES, 4AH					
Color Temperature (CCT)	4000K (Standard) 3000K & 5000K (Optional)					
Color Rendering Index (CRI)	~70					
3000K Fixture Efficacy (Lm/W)	101	99	96	88	84	83
4000K Fixture Efficacy (Lm/W)	105	104	99	94	90	88
3000K Fixture Output (Lm)	2,020	2,760	3,250	3,700	4,000	4,130
4000K Fixture Output (Lm)	2,300	2,800	3,368	3,930	4,300	4,400
LED L70 (Hours)	> 100,000 hours (@ maximum drive current)					
Shielding	Optional shields available upon request					

PHOTOCELL & CONTROLS

Photocell Options	20-year life photocell available.
Control & Monitoring	Dimming power supply (1-10V) is standard equipment. We offer a complete range of control and monitoring solutions

1. 1250mA maximum temperature is 40 °C, -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. 4. 1250mA drive current only available with UL Certification option.

Values shown are subject to ±5% tolerance. Color temperatures shown are ±300K type 2ES distribution. If post-top version is specified, add 5.4" (137 mm) to overall length dimension. Illustrated Above: NXT-C in grey (RAL 7035). All information provided is subject to change without notice.



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NXT™ SERIES

NXT-S SPECIFICATIONS

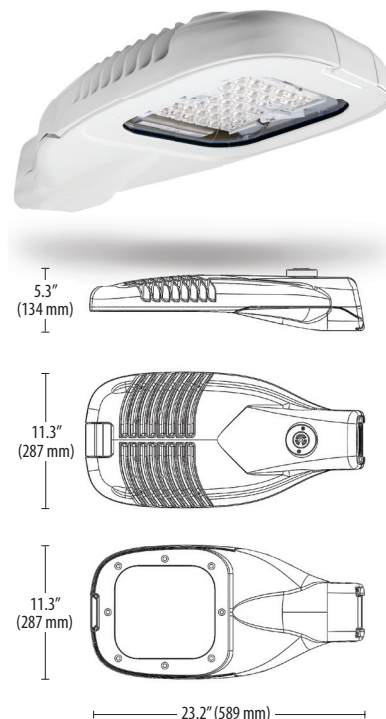
Housing:	Single piece, die-cast A360 aluminum alloy with <0.6% copper content
Operating Temperature:	-40 °C to +50 °C (-40 °F to +122 °F) ¹
Mounting:	1.625" - 2.375" (42 - 60 mm) O.D. Tenons
Mounting Methods:	Horizontal Entry or Post-Top Mount
Weight:	18 lbs (8.2 kg)
EPA Rating:	<0.46 ft ² (< 0.043 m ²)
Lens Material:	IK09 Rated Glass
Ingress Protection:	Power Supply and optical module are located inside chamber rated IP66 per IEC 60529/ANSI C136.25. Luminaire is rated for wet locations.
Finish:	Durable polyester powdercoat topcoat

Available Colors:

GREY (RAL 7035)

BRONZE (RAL 7022)

BLACK (RAL 9005)



	NXT-S (12 LEDs)					NXT-S (24 LEDs)					NXT-S (36 LEDs)				
ELECTRICAL															
Drive Currents (mA)	350	450	525	600	700	350	450	525	600	700	350	450	525	600	700
Power Consumption (W)	14	17	20	23	27	28	35	41	46	54	42	52	60	69	80
Input Voltage (V)	120 - 240V (Standard), 277V (Optional), 347 - 480V (Optional), 220 - 240V (Optional)														
Surge Protection	Meets the requirements of ANSI C-High (10kV / 10kA)														
Power Factor	>0.90														

OPTICS & PERFORMANCE															
Photometry (Distribution)	Type II, III, IV, V														
Color Temperature (CCT)	4000K (Standard) 3000K & 5000K (Optional)														
Color Rendering Index (CRI)	~70														
3000K Fixture Efficacy (Lm/W)	138	134	131	127	122	133	131	128	118	120	133	130	119	115	112
4000K Fixture Efficacy (Lm/W)	141	137	134	130	126	136	134	131	117	123	136	133	119	117	114
3000K Fixture Output (Lm)	1,929	2,273	2,615	2,934	3,307	3,725	4,571	5,235	5,441	6,474	5,568	6,758	7,115	7,949	8,984
4000K Fixture Output (Lm)	1,980	2,330	2,681	3,000	3,392	3,821	4,688	5,370	5,403	6,641	5,710	6,932	7,169	8,089	9,110
LED L70 (Hours)	> 100,000 hours (@ 350mA)														
Shielding	Optional shields available upon request														

PHOTOCELL & CONTROLS	
Photocell Options	20-year life photocell available.
Control & Monitoring	Dimming power supply (1-10V) is standard equipment. We offer a complete range of control and monitoring solutions

1. For EN certifications, max ambient temp of +50 °C; all others max ambient of +40 °C. -40 °C for fixed installation only. 347-480V maximum temperature is 45 °C. 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.

Values shown are subject to ±5% tolerance. Color temperatures shown are ±300K type 2ES distribution. If post-top version is specified, add 5.4" (137 mm) to overall length dimension. Illustrated Above: NXT-S in grey (RAL 7035).
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NXT™ SERIES

NXT-M SPECIFICATIONS

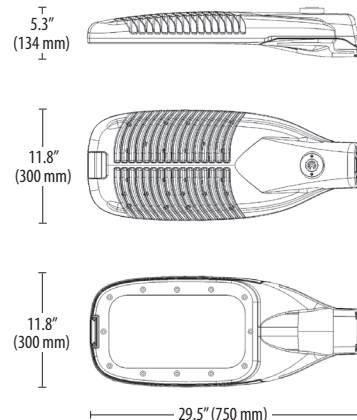
Housing:	Single piece, die-cast A360 aluminum with <0.6% copper content
Operating Temperature:	-40 °C to +50 °C (-40 °F to +122 °F) ¹
Mounting:	1.625" - 2.375" (42 - 60 mm) O.D. Tenons
Mounting Methods:	Horizontal Entry or Post-Top Mount
Weight:	26 lbs (11.8 kg)
EPA Rating:	<0.9 ft ² (< 0.084 m ²)
Lens Material:	IK09 Rated Glass
Ingress Protection:	Power Supply and optical module are located inside chamber rated IP66 per IEC 60529/ANSI C136.25. Luminaire is rated for wet locations.
Finish:	Durable polyester powdercoat topcoat

Available Colors:

GREY (RAL 7035)

BRONZE (RAL 7022)

BLACK (RAL 9005)



	NXT-M (48 LEDs)					NXT-M (60 LEDs)					NXT-M (72 LEDs)				
ELECTRICAL															
Drive Currents (mA)	350	450	525	600	700	350	450	525	600	700	350	450	525	600	700
Power Consumption (W)	53	68	80	92	108	65	84	99	113	133	78	100	117	135	158
Input Voltage (V)	120 - 240V (Standard), 277V (Optional), 347 - 480V (Optional), 220 - 240V (Optional)														
Surge Protection	Meets the requirements of ANSI C-High (10kV / 10kA)														
Power Factor	>0.90														

OPTICS & PERFORMANCE															
Photometry (Distribution)	Type II, III, IV, V														
Color Temperature (CCT)	4000K (Standard) 3000K & 5000K (Optional)														
Color Rendering Index (CRI)	~70														
3000K Fixture Efficacy (Lm/W)	141	138	123	119	123	142	138	134	119	117	142	137	133	129	123
4000K Fixture Efficacy (Lm/W)	145	142	126	123	126	146	141	138	122	118	145	141	137	132	125
3000K Fixture Output (Lm)	7,483	9,390	9,815	10,931	13,278	9,225	11,558	13,296	13,414	15,615	11,054	13,706	15,604	17,431	19,441
4000K Fixture Output (Lm)	7,675	9,631	10,104	11,227	13,619	9,463	11,852	13,638	13,821	15,710	11,340	14,058	16,005	17,881	19,807
LED L70 (Hours)	> 100,000 hours (@ 350mA)														
Shielding	Optional shields available upon request														

PHOTOCELL & CONTROLS	
Photocell Options	20 - year life photocell available.
Control & Monitoring	Dimming power supply (1-10V) is standard equipment. We offer a complete range of control and monitoring solutions

1. For EN certifications, max ambient temp of +50 °C; all others max ambient of +40 °C. -40 °C for fixed installation only. 277V Maximum temperature is 30 °C. 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.

Values shown are subject to ±5% tolerance. Color temperatures shown are ±300K type 2ES distribution. If post-top version is specified, add 5.4" (137 mm) to overall length dimension. Illustrated Above: NXT-M in grey (RAL 7035).
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NXT™ SERIES

ORDERING INFORMATION

Example catalog number: NXT-12S-5-S-2LB-3-GY-3-UL-X-2H-XXXX

SERIES	LEDS / BODY	VOLTAGE ¹	RECEPTACLE ²	OPTICS	LED DRIVE CURRENT
NXT					
NXT	12C - Compact	5 - 120 - 277V	S - No Receptacle 7 - 7-PIN Receptacle (C136.41)	2ES - Type II Max Throw 4AH - ANZ High Throw	5 - 525mA 7 - 700mA 8 - 850mA B - 1050mA D - 1200mA ³ E - 1250mA
NXT	12S - Small 24S - Small 36S - Small 48M - Medium 60M - Medium 72M - Medium	0 - 120 - 240V 2 - 220 - 240V 5 - 120 - 277V 6 - 347 - 480V	S - No Receptacle 7 - 7-PIN Receptacle (C136.41)	2LB - Type II Standard 2HB - Type II Backlight 2ES - Type II Max Throw 2EM - Type II Moderate Throw 2LG - Type II Low Glare 3LB - Type III Standard 3LM - Type III Moderate 3HB - Type III Backlight 4AH - ANZ High Throw 5SM - Type V Square 5RM - Type V Round	3 - 350mA 4 - 450mA 5 - 525mA 6 - 600mA 7 - 700mA
NXT-S / NXT-M	NXT-S / NXT-M	NXT-S / NXT-M	NXT-S / NXT-M	NXT-S / NXT-M	NXT-C
FINISH	TEMPERATURE (CCT) ⁴	CERTIFICATION ⁵	DRIVER OPTION	MOUNTING METHOD ⁹	OTHER OPTIONS
				2H	
GY - Grey (RAL 7035) BK - Black (RAL 9005) BZ - Bronze (RAL 7022)	1 - 5000K 4 - 3000K 3 - 4000K	UL - cULus CE - European NM - NOM - Mexico CT - C-TICK (Australia) CZ - C-TICK (NZ)	X - Standard Dimming (1-10V) D - DALI ⁷	2H - 2-Bolt Horizontal Mount	If applicable, insert 4 digit special product request code (SPR)
GY - Grey (RAL 7035) BK - Black (RAL 9005) BZ - Bronze (RAL 7022)	1 - 5000K 4 - 3000K 3 - 4000K	UL - cULus CE - European NM - NOM - Mexico CT - C-TICK (Australia) CZ - C-TICK (NZ) EN - ENEC ⁶	X - Standard Dimming (1-10V) D - DALI ⁷ S - Field Switchable Driver 120-240V (Optional) ⁸	2H - 2-Bolt Horizontal Mount	If applicable, insert 4 digit special product request code (SPR)
NXT-S / NXT-M	NXT-S / NXT-M	NXT-S / NXT-M	NXT-S / NXT-M	NXT-S / NXT-M	NXT-C

CATALOG NUMBER:

Include shorting caps 120-480V UL/CE with order? ☐ Yes ☐ No

Project Name:	Comments
Quantity:	
Approved By:	
Date:	

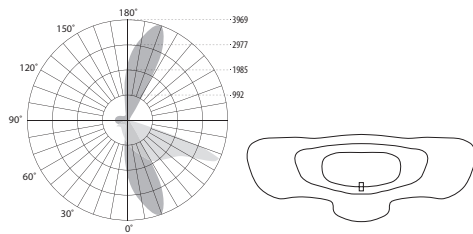
1. Our drivers will be provided for option 0. Other voltage options to be supplied with third-party drivers. 2. If photocells are required, they must be ordered separately. 3. 1250mA drive current only available with UL certification. 4. Other color temperatures available. 5. For EN certifications, max ambient temp of +50 °C; all others max ambient of +40 °C. -40 °C for fixed installation only. 6. EN for 220-240V Voltage Option only. 7. Available on selected configurations only, consult factory for details 8. Not available with NXT-12S. 9. If post-top mount required, bracket must be ordered separately. Available with 2 bolt mount only.

By completing the Order Confirmation above, I certify that I am authorized to sign the confirmation on behalf of the company. Information provided is subject to change without notice. LED Roadway Lighting Ltd. 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.

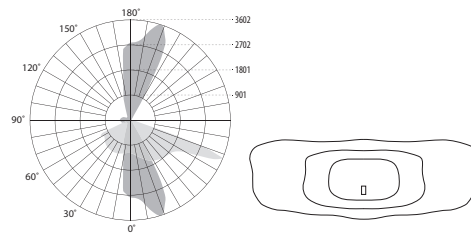
NXT™ SERIES

PHOTOMETRY / DISTRIBUTION PATTERNS

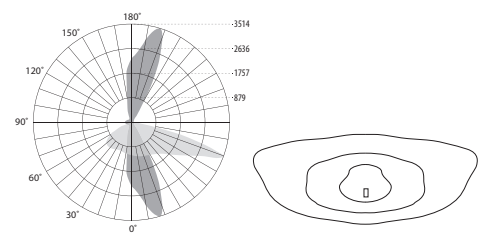
2LB Type II Standard



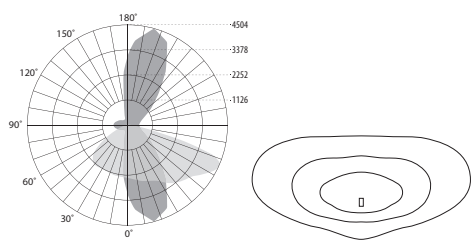
2HB Type II Backlight



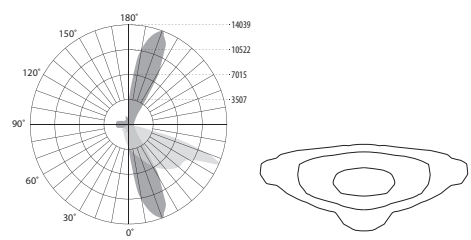
2ES Type II Max Throw



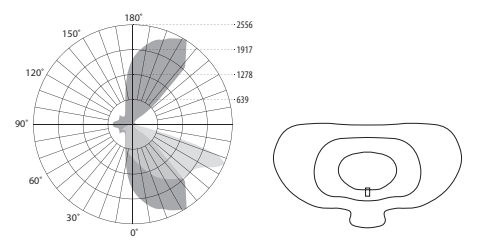
2EM Type II Moderate Throw



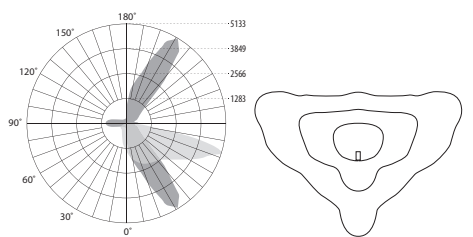
2LG Type II Low Glare



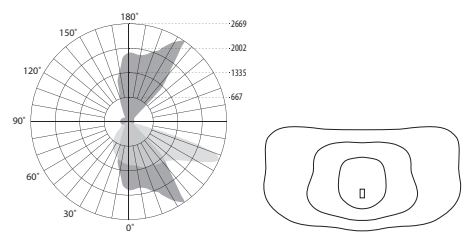
3LB Type III Standard



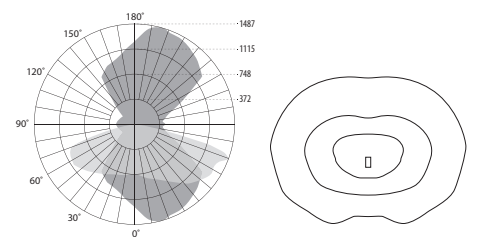
3LM Type III Moderate



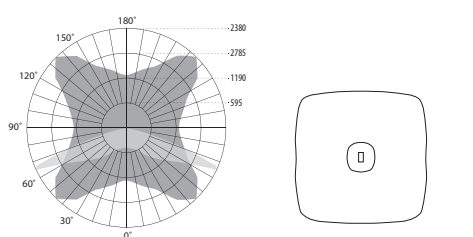
3HB Type III Backlight



4AH ANZ High Throw



5SM Type V Square



5RM Type V Round

