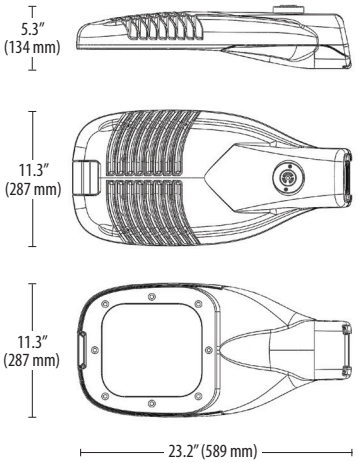
NXT™ SERIES



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).
All information provided is subject to change without notice.

LED ROADWAY LIGHTING
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NXT™ SERIES

NXT-S SPECIFICATIONS

STANDARD OUTPUT ORDERING INFORMATION

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

SERIES	LEDS / BODY	VOLTAGE[1]	RECEPTACLE[2]	OPTICS	LED DRIVE CURRENT
NXT					
NXT	**12S** - Small **24S** - Small **36S** - Small	**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

FINISH	TEMPERATURE (CCT)[3]	CERTIFICATION[5]	DRIVER OPTION	MOUNTING METHOD[8]	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) **EN** - ENEC[6]	**X** - Standard Dimming (1-10V) **D** - DALI **S** - Field Switchable Driver 120-240V (Optional)[7]	**2H** - 2-Bolt Horizontal Mount	If applicable, insert 4 digit special product request code (SPR)

CATALOG NUMBER: CLEAR FORM

NXT-_-_-_-_-_-_-_-_-_-2H-

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. 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. Not available with NXT-12S. 8. 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.

LED ROADWAY LIGHTING

84 Chain Lake Drive, Halifax,
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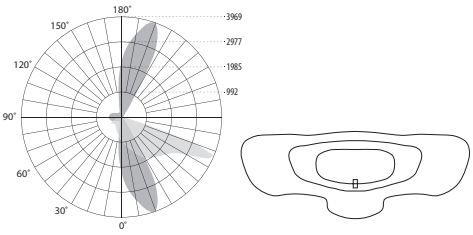
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info@ledroadwaylighting.com

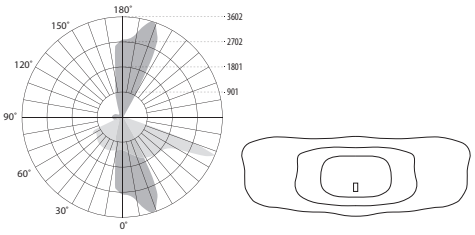
NXT™ SERIES

PHOTOMETRY / DISTRIBUTION PATTERNS

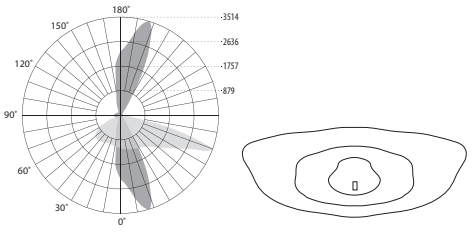
2LB Type II Standard



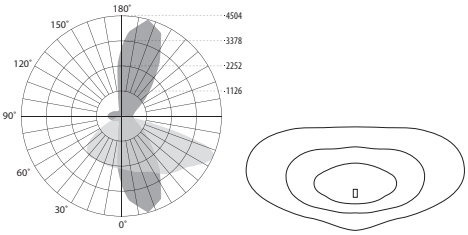
2HB Type II Backlight



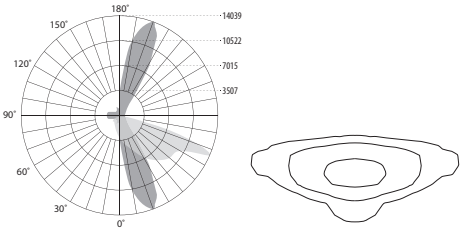
2ES Type II Max Throw



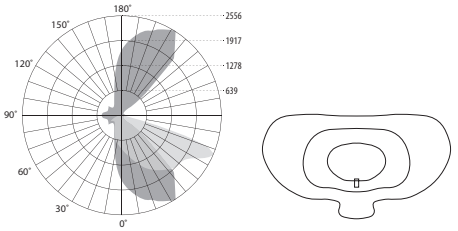
2EM Type II Moderate Throw



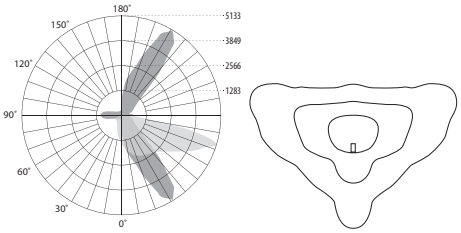
2LG Type II Low Glare



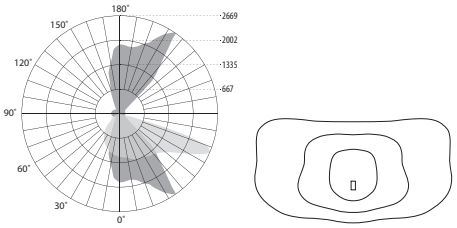
3LB Type III Standard



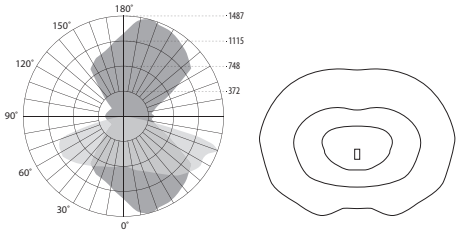
3LM Type III Moderate



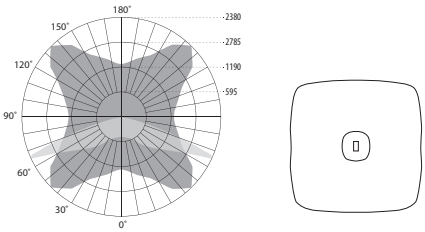
3HB Type III Backlight



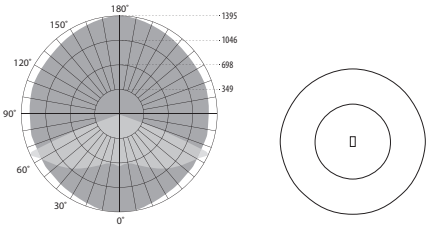
4AH ANZ High Throw



5SM Type V Square



5RM Type V Round



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