

Noctura Series

LED Area Luminaires

Rev. Date: V14 08/28/2023

Product Description

The Noctura® LED Area luminaire minimizes cost of ownership with easy installation, high performance and quality backed by a Cree Lighting 5-year limited warranty. The Noctura Series has a coordinated style across area, flood and wall mount luminaires to provide a consistent daytime appearance across a building site or campus. Versatile mounting configurations offer installation flexibility and ease of application for direct pole, tenon or vertical flat surface mounting.

Applications: Ideal for both retrofit and new installation: parking area, security, or site pathway applications.

Performance Summary

Lumen Output: Up to 35,600 lumens

Efficacy: Up to 155 LPW

CRI: Minimum 70 CRI

CCT: 4000K, 5000K

Limited Warranty*: 5 years on luminaire, mounts, backlight shields, bird spikes, occupancy sensor and cables/1 year on remaining field-installed accessories

* See <http://creelighting.com/warranty> for warranty terms

Accessories

Field-Installed		
Backlight Shield NTA-BLSF-11L - For use with 11L only NTA-BLSF-19L - For use with 19L only NTA-BLSF-35L - For use with 35L only Bird Spikes NTA-BRDSPK-19L - For use with 19L only NTA-BRDSPK-35L - For use with 35L only	Button Photocell JL-423CZ Cable NTX-QC-5 (120-277 Volt only) NTX-QC-5-U (120-480 Volt) - 5' (1.5m) cable replacement Shorting Cap XA-XLSLHRT	Pole Mounted Occupancy Sensor NTX-FSP221B-S-L7-W - Requires XA-SENSREM Hand-Held Remote XA-SENSREM - For successful implementation of the Pole Mounted Occupancy sensor, a minimum of one hand-held remote is required

Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** NTA-DA-BZ-U + **Luminaire:** NTA-A-NM-T3-11L-40K-UL-BZ

Mount (Luminaire must be ordered separately)*		
Direct Arm Mounts NTA-DA-BZ-U (120-480 Volt) - Direct Arm Mount NTX-7R-BZ-U (120-480 Volt) - Extended Arm includes a NEMA® 7-pin Photocell Receptacle - Must be used with NTA-DA-BZ-U mount NTX-3R-BZ (120-277 Volt) - Extended Arm includes a NEMA® 3-pin Photocell Receptacle - Must be used with NTA-DA-BZ-U mount	Adjustable Arm Mounts NTX-AA-BZ-U (120-480 Volt) - Adjustable Arm Mount w/ knockout for Field-Installed Button Photocell (by others) NTX-AA-7R-BZ-U (120-480 Volt) - Adjustable Arm Mount w/NEMA® 7-pin Photocell Receptacle	Trunnion Mounts NTX-TR-BZ-U (120-480 Volt) - Trunnion Mount NTX-TR-7R-BZ-U (120-480 Volt) - Trunnion Mount w/NEMA® 7-pin Photocell Receptacle NTX-TR-PK-BZ-U (120-480 Volt) - Trunnion Mount w/knockout for Field-Installed Button Photocell (by others)

Note: NEMA® 3-pin and 7-pin Photocell Receptacles require photocell or shorting cap by others

* Reference EPA and pole configuration suitability data beginning on page 9

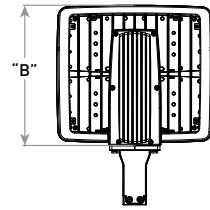
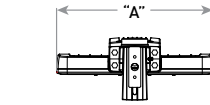
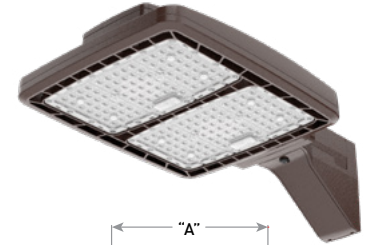
Luminaire (Mount must be ordered separately)***								
Product	Version	Mounting	Optic*	Lumen Package**	CCT	Voltage	Color Options	
Available 11L Product Combinations								
NTA	A	NM	T3 - Type III	11L	40K	UL - 120-277V	BZ	
NTA	A	NM	T4 - Type IV	11L	40K	UL - 120-277V	BZ	
Available 19L Product Combinations								
NTA	A	NM	T3 - Type III	19L	40K	UL - 120-277V	BZ	
NTA	A	NM	T4 - Type IV	19L	40K	UL - 120-277V	BZ	
NTA	A	NM	T4 - Type IV	19L	50K	UL - 120-277V	BZ	
NTA	A	NM	T5 - Type V	19L	40K	UL - 120-277V	BZ	
NTA	A	NM	T5 - Type V	19L	50K	UL - 120-277V	BZ	
Available 35L Product Combinations								
NTA	A	NM	T3 - Type III	35L	40K	UL - 120-277V	BZ	
NTA	A	NM	T3 - Type III	35L	50K	UL - 120-277V	BZ	
NTA	A	NM	T4 - Type IV	35L	40K	UL - 120-277V	BZ	
NTA	A	NM	T4 - Type IV	35L	50K	UL - 120-277V	BZ	
NTA	A	NM	T5 - Type V	35L	40K	UL - 120-277V	BZ	
NTA	A	NM	T5 - Type V	35L	50K	UL - 120-277V	BZ	

* Available with Backlight Shield when ordered with field-installed accessory (see table above)

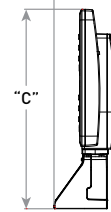
** Lumen Package codes identify approximate light output only. Actual lumen output levels may vary depending on CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values

*** Note: Limited product availability. Consult factory for availability

11L Direct Mount (NTA-DA-BZ-U)



6.2" (157mm)



Lumen Package	Weight**	Dim "A"	Dim "B"	Dim "C"
11L*	12.5 lbs. (5.7kg)	10.6" (269mm)	12.9" (328mm)	18.7" (476mm)
19L*	16.0 lbs. (7.3kg)	15.4" (391mm)	13.8" (351mm)	19.6" (499mm)
35L*	21.1 lbs. (9.6kg)	15.4" (391mm)	19.8" (502mm)	25.6" (650mm)

* See pages 3-5 for additional line drawings

** Includes housing & mount (for housing weight only refer to page 2)

Note: Refer to page 10 for fixture mounting drill pattern.



US: creelighting.com (800) 236-6800

Canada: creelighting-canada.com (800) 473-1234

CREE LIGHTING®

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with weathertight integral LED driver compartment which is specifically designed for advanced LED thermal management
- Housing and mounting accessories finished in bronze polyester powder coat paint, 2.5 mil nominal thickness
- Mounting options include: adjustable arm w/knockout provision for field-installed button type photocell (by others), adjustable arm w/NEMA® 7-pin photocell receptacle, trunnion mount, trunnion mount w/NEMA® 7-pin photocell receptacle, trunnion mount w/knockout provision for field-installed button type photocell (by others), and direct arm mount
- Extension arm accessory for direct arm mount with a NEMA® 3-pin or 7-pin photocell receptacle
- Photocell or shorting cap by others
- Adjustable arm mount is constructed of rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenons. It includes tooth lock aiming that can be adjusted from 0° (horizontal) to 45° in 5° increments
- Trunnion mount features rugged steel construction, mounts to vertical flat surfaces, and can be adjusted from 0° (horizontal) to 45° in 15° increments
- Direct arm is constructed of rugged die cast aluminum and mounts to 3-6" (76-152mm) square poles or 4-5" (102-127mm) round poles with (2) 5/16" bolts
- Mount secures to luminaire housing with (4) 5/16" bolts and lock washers (included)
- Designed for downlight applications only, 45-degree tilt maximum
- **Housing Weight:** 11L-8.6 lbs. (3.9kg); 19L-12.1 lbs. (5.5kg); 35L-17.2 lbs. (7.8kg)

OPTICS


- Mid-power LED array Area optics are available in IES Type III, IV and V distributions for 4000K and 5000K CCTs with a minimum of 70 CRI. Efficacies up to 155 LPW for minimal energy consumption. Backlight shields are available for light trespass and glare control.

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV/5kA surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Quick connect supply cord makes installation easy
- Designed with 0-10V dimming capabilities. Controls by others
- **10V Source Current:** 0.20 mA
- **Operating Temperature Range:** -30°C - +40°C (-22°F - +104°F)

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for wet locations
- Meets NEMA C82.77 standards
- Drivers and LEDs are UL Recognized in accordance with UL8750
- Enclosure meets IP66 requirements per IEC 60529
- Direct and adjustable arms are certified to ANSI C136.31-2018, 3G vibration standards. Trunnion mounts are certified to ANSI C136.31-2001, 1.5G vibration standards
- ANSI C136.2 10kV/5kA surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions

- RoHS compliant. Consult factory for additional details
-  **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*					
Lumen Package	System Watts 120-277V	Total Current (A)			
		120V	208V	240V	277V
11L	75	0.75	0.40	0.35	0.30
19L	130	1.30	0.75	0.65	0.56
35L	230	2.30	1.33	1.15	1.00

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V +/-10%

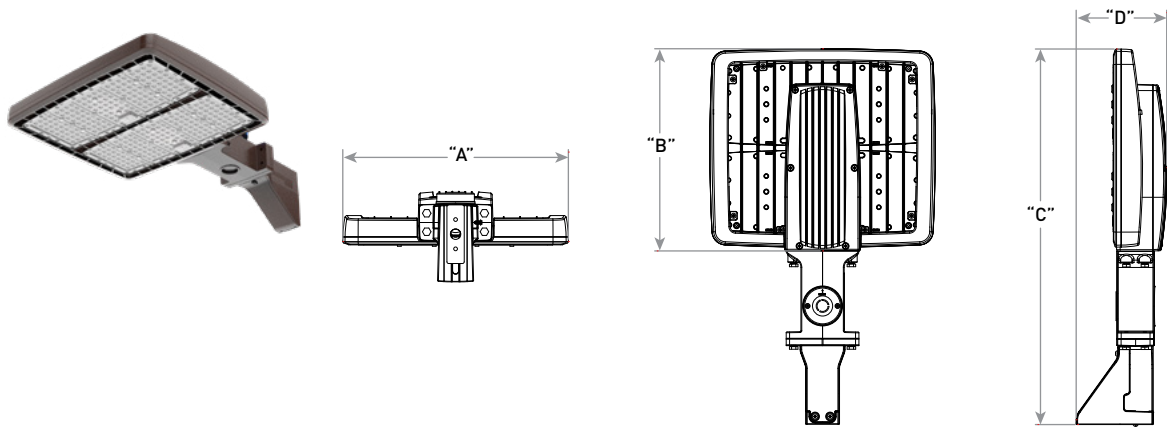
Noctura Series Ambient Adjusted Lumen Maintenance ¹					
Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Estimated ³ LMF	100K hr Estimated ³ LMF
5°C (41°F)	1.04	0.98	0.92	0.87	0.82
10°C (50°F)	1.03	0.97	0.91	0.86	0.81
15°C (59°F)	1.02	0.96	0.91	0.85	0.80
20°C (68°F)	1.01	0.95	0.90	0.84	0.79
25°C (77°F)	1.00	0.94	0.89	0.83	0.79
30°C (86°F)	0.99	0.93	0.88	0.83	0.78
35°C (95°F)	0.98	0.93	0.87	0.82	0.77
40°C (104°F)	0.97	0.92	0.86	0.81	0.76

¹Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

²In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

³Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

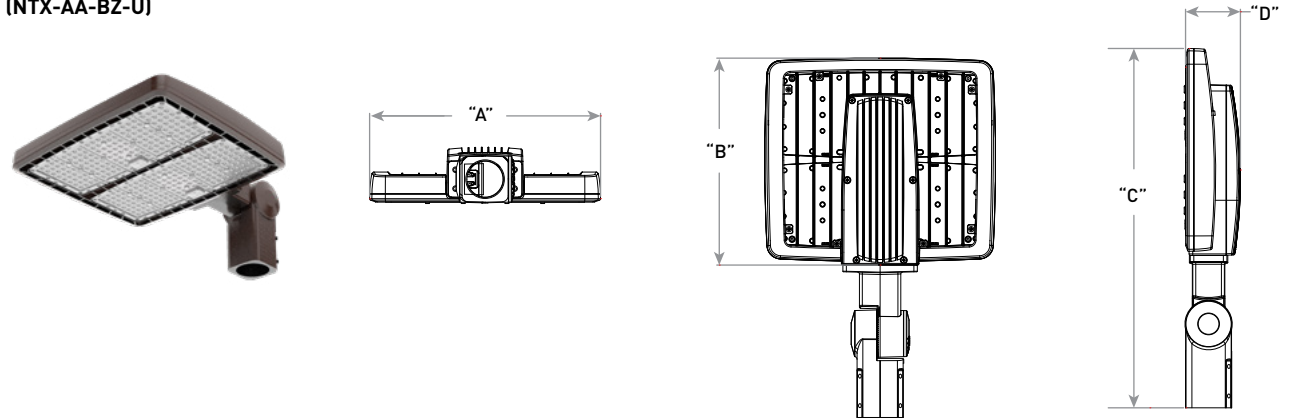
19L
Direct Mount w/ Extended Arm, NEMA® 3-Pin or 7-pin Photocell Receptacle
(NTA-DA-BZ-U w/ NTX-3R-BZ or NTX-7R-BZ-U)



Lumen Package	Weight*	Dim "A"	Dim "B"	Dim "C"	Dim "D"
11L	15.0 lbs. (6.8kg)	10.6" [269mm]	12.9" [327mm]	24.7" [628mm]	6.2" [157mm]
19L	18.4 lbs. (8.4kg)	10.6" [269mm]	13.8" [350mm]	25.6" [651mm]	6.2" [157mm]
35L	23.5 lbs. (10.7kg)	15.4" [391mm]	19.8" [502mm]	31.5" [801mm]	6.2" [158mm]

* Includes housing & mount (for housing weight only refer to page 2)

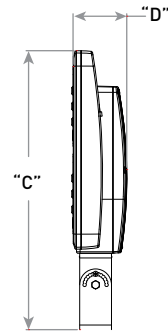
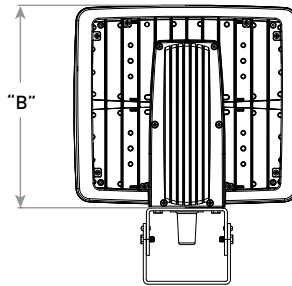
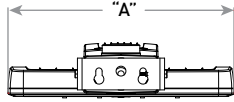
19L
Adjustable Arm Mount w/Knockout for Field-Installed Button Photocell (by others)
(NTX-AA-BZ-U)



Lumen Package	Weight	Dim "A"	Dim "B"	Dim "C"	Dim "D"
11L	12.3 lbs. (5.6kg)	10.6" [269mm]	12.9" [327mm]	23.0" [585mm]	3.6" [92mm]
19L	15.8 lbs. (7.2kg)	15.4" [391mm]	13.8" [350mm]	23.9" [608mm]	3.7" [93mm]
35L	20.9 lbs. (9.5kg)	15.4" [391mm]	19.8" [502mm]	29.9" [760mm]	3.8" [95mm]

* Includes housing & mount (for housing weight only refer to page 2)

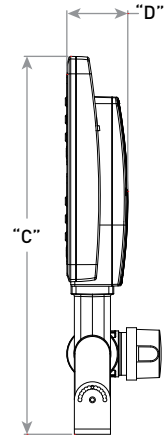
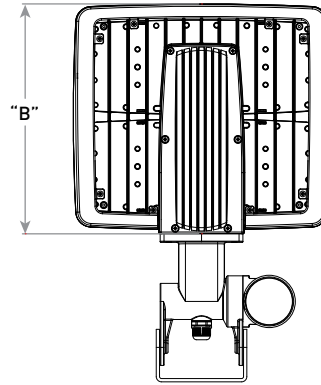
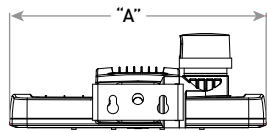
**35L
Trunnion Mount
(NTX-TR-BZ-U)**



Lumen Package	Weight*	Dim "A"	Dim "B"	Dim "C"	Dim "D"
11L	11.7 lbs. (5.3kg)	10.6" (269mm)	12.9" (327mm)	18.1" (459mm)	3.6" (92mm)
19L	15.2 lbs. (6.9kg)	15.4" (391mm)	13.8" (350mm)	19.0" (482mm)	3.7" (93mm)
35L	20.3 lbs. (9.2kg)	15.4" (391mm)	19.7" (502mm)	25.0" (634mm)	3.7" (93mm)

* Includes housing & mount (for housing weight only refer to page 2)

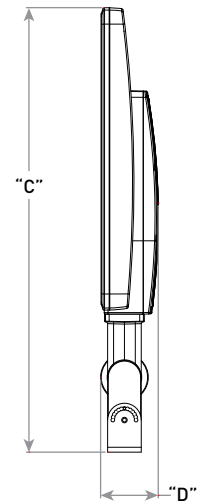
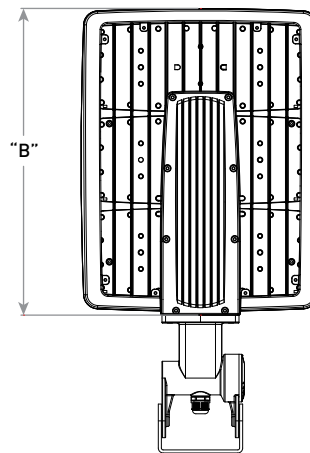
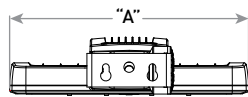
19L
Trunnion Mount w/NEMA® 7-pin Photocell Receptacle
(NTX-TR-7R-BZ-U)



Lumen Package	Weight*	Dim "A"	Dim "B"	Dim "C"	Dim "D"
11L	12.8 lbs. [5.8kg]	10.7" [273mm]	12.9" [327mm]	21.8" [553mm]	3.6" [92mm]
19L	16.2 lbs. [7.3kg]	15.4" [391mm]	13.8" [350mm]	22.7" [576mm]	3.7" [93mm]
35L	21.3 lbs. [9.7kg]	15.4" [391mm]	19.8" [502mm]	28.6" [727mm]	3.7" [94mm]

* Includes housing & mount [for housing weight only refer to page 2]

19L
Trunnion Mount w/Knockout for Field-Installed Button Photocell (by others)
(NTX-TR-PK-BZ-U)



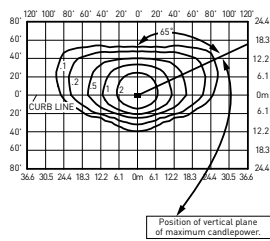
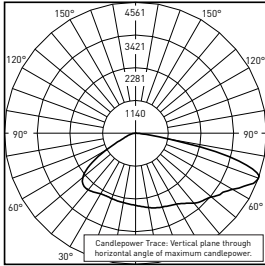
Lumen Package	Weight*	Dim "A"	Dim "B"	Dim "C"	Dim "D"
11L	12.8 lbs. [5.8kg]	10.6" [269mm]	12.9" [327mm]	21.8" [553mm]	3.6" [92mm]
19L	16.2 lbs. [7.3kg]	15.4" [391mm]	13.8" [350mm]	22.7" [576mm]	3.7" [93mm]
35L	21.3 lbs. [9.7kg]	15.4" [391mm]	19.8" [502mm]	28.6" [727mm]	3.7" [94mm]

* Includes housing & mount [for housing weight only refer to page 2]

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://www.creelighting.com/products/outdoor/area/noctura-area>

T3



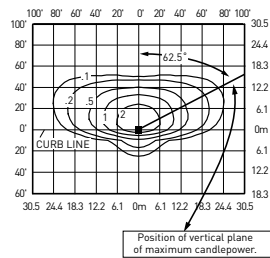
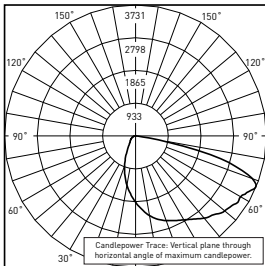
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NTA-A-NM-T3-11L-40K-UL-*
Initial Delivered Lumens: 10,914

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Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 11,475
 Initial FC at grade

Type III Medium Distribution			
Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Efficacy (LPW)
11L	11,475 (4000K)	B3 U0 G2	153
19L	19,200 (4000K)	B3 U0 G3	148
35L	35,600 (4000K/5000K)	B4 U0 G3	155

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

T3 w/BLS



RESTL Test Report #: PL14469-001A
NTA-A-NM-T3-11L-40K-UL-* w/NTA-BLSF-11L
Initial Delivered Lumens: 7,236

NTA-A-NM-T3-11L-40K-UL-BZ w/NTA-BLSF-11L
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 7,575
 Initial FC at grade

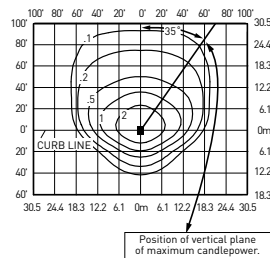
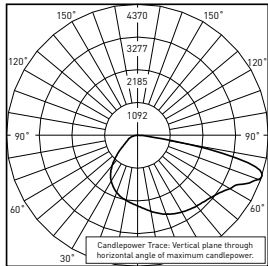
Type III Medium w/BLS Distribution			
Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Efficacy (LPW)
11L	7,575 (4000K)	B1 U0 G1	101
19L	12,675 (4000K)	B2 U0 G2	98
35L	23,500 (4000K/5000K)	B3 U0 G3	102

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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T4



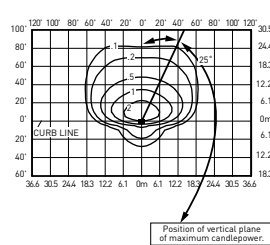
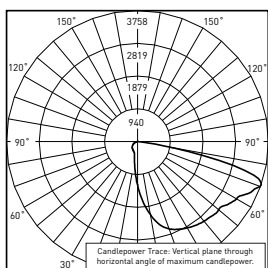
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Initial Delivered Lumens: 10,892

NTA-A-NM-T4-11L-40K-UL-BZ
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 11,475
 Initial FC at grade

Type IV Medium Distribution			
Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Efficacy (LPW)
11L	11,475 (4000K)	B2 U0 G2	153
19L	19,200 (4000K/5000K)	B3 U0 G3	148
35L	35,600 (4000K/5000K)	B4 U0 G4	155

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

T4 w/BLS



RESTL Test Report #: PL14471-001A
NTA-A-NM-T4-11L-40K-UL-* w/NTA-BLSF-11L
Initial Delivered Lumens: 7,186

NTA-A-NM-T4-11L-40K-UL-BZ w/NTA-BLSF-11L
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 7,575
 Initial FC at grade

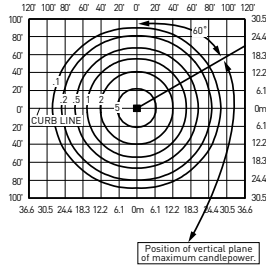
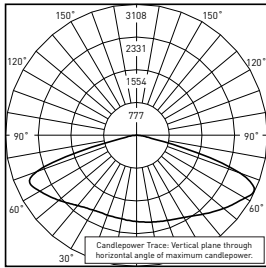
Type IV Medium w/BLS Distribution			
Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Efficacy (LPW)
11L	7,575 (4000K)	B1 U0 G2	101
19L	12,675 (4000K/5000K)	B1 U0 G2	98
35L	23,500 (4000K/5000K)	B2 U0 G3	102

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://www.creelighting.com/products/outdoor/area/noctura-area>

T5



Ningbo TengLi Testing Co. Test Report #:
 STD190155NB-LD-R-R
 NTA-A-NM-T5-11L-30K-UL-**
Initial Delivered Lumens: 11,626

NTA-A-NM-T5-35L-40K-UL-BZ
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 35,600
 Initial FC at grade

Type V Medium Distribution			
Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Efficacy (LPW)
19L	19,200 (4000K/5000K)	B4 U0 G2	148
35L	35,600 (4000K/5000K)	B5 U0 G3	155

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Luminaire EPA

Adjustable Arm Mount - NTX-AA-BZ-U w/housing Weight: 11L: 12.3 lbs. (5.6kg); 19L: 15.8 lbs. (7.2kg); 35L: 20.9 lbs. (9.5kg); Add 1.1lbs. (0.5kg) for NTX-AA-7R-BZ-U mount								
Lumen Package	Single	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 90°	4 @ 180°
Tenon Configuration Single [0°-45° Tilt]: If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA								
	PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(90); PT-2(90)*	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-3A*; PB-7R2.375; PD-3A4(90); PT-3(90)	PB-3A*; PB-7R2.375; PT-3(120)	PB-3A*; PB-7R2.375	PB-4A*(90); PB-4R2.375; PD-4A4(90); PT-4(90)	PB-4A*(180); PB-4R2.375
0° Tilt								
11L	0.56	1.12	1.12	1.49	1.49	1.49	1.86	1.86
19L	0.59	1.18	1.18	1.69	1.69	1.69	2.20	2.20
35L	0.77	1.54	1.54	2.06	2.06	2.06	2.58	2.58
10° Tilt								
11L	0.56	1.12	1.12	1.66	1.66	1.66	2.20	2.20
19L	0.75	1.50	1.50	2.25	2.25	2.25	3.00	3.00
35L	0.87	1.74	1.74	2.63	2.63	2.63	3.48	3.48
20° Tilt								
11L	0.67	1.34	1.34	2.01	2.01	2.01	2.68	2.68
19L	0.96	1.92	1.92	2.88	2.88	2.88	3.84	3.84
35L	1.17	2.34	2.34	3.51	3.51	3.51	4.68	4.68
30° Tilt								
11L	0.77	1.54	1.54	2.31	2.31	2.31	3.08	3.08
19L	1.10	2.20	2.20	3.30	3.30	3.30	4.40	4.40
35L	1.39	2.78	2.78	4.17	4.17	4.17	5.56	5.56
45° Tilt								
11L	0.86	1.72	1.72	2.58	2.58	2.58	3.44	3.44
19L	1.23	2.46	2.46	3.69	3.69	3.69	4.92	4.92
35L	1.60	3.20	3.20	4.80	4.80	4.80	6.40	6.40

* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

Tenon EPA







Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-7R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25

* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

Tenons and Brackets[†] (must specify color)	
<p>Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" (76-152mm) square aluminum or steel poles</p> <p>PB-1A* - Single PB-4A*(90) - 90° Quad PB-2A* - 180° Twin PB-4A*(180) - 180° Quad PB-3A* - 180° Triple</p> <p>Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles</p> <p>PD-2A4(90) - 90° Twin PD-3A4(90) - 90° Triple PD-2A4(180) - 180° Twin PD-4A4(90) - 90° Quad</p> <p>Wall Mount Brackets - Mounts to wall or roof</p> <p>WM-2 - Horizontal for NTX-AA mounts WM-4 - L-Shape for NTX-AA mounts</p>	<p>Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>PB-2R2.375 - Twin PB-4R2.375 - Quad PB-7R2.375 - Triple</p> <p>Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>- Mounts to square pole with PB-1A* tenon</p> <p>PT-1 - Single (Vertical) PT-3(90) - 90° Triple PT-2(90) - 90° Twin PT-3(120) - 120° Triple PT-2(180) - 180° Twin PT-4(90) - 90° Quad</p> <p>Mid-Pole Bracket - Mounts to square pole</p> <p>PW-1A3** - Single PW-2A3** - Double</p> <p>Ground Mount Post - For ground-mounted flood luminaires PGM-1 - for NTX-AA mounts</p>

[†] Refer to the [Bracket and Tenons spec sheet](#) for more details

Luminaire EPA

Direct Arm Mount - NTA-DA-BZ-U w/housing Weight: 11L: 12.5 lbs. (5.7kg); 19L: 16.0 lbs. (7.3kg); 35L: 21.1 lbs. (9.6kg); Add 2.4 lbs. (1.1kg) for NTX-3R-BZ or NTX-7R-BZ-U Extended Arms						
Lumen Package	Single	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
						
11L	0.50	0.83	1.00	1.33	1.00	1.66
19L	0.54	1.01	1.08	1.55	1.31	2.02
35L	0.71	1.19	1.44	1.90	1.58	2.38

Direct Mount Configurations

Compatibility with NTA-DA-BZ-U and NTA-DA-BZ-U w/ NTX-3R-BZ or NTX-7R-BZ-U Direct Arm Mounts					
Lumen Package	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
3" Square					
All	✓	✓	✓	N/A	✓
4" Square					
All	✓	✓	✓	N/A	✓
4" Round					
All	✓	✓	✓	✓	✓
5" Square					
All	✓	✓	✓	N/A	✓
5" Round					
All	✓	✓	✓	✓	✓
6" Square					
All	✓	✓	✓	N/A	✓

Fixture Mounting Drill Pattern for NTA-DA-BZ-U

