

# Noctura Series

LED Area Luminaires

Rev. Date: V4 02/11/2020

## 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

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

## Accessories

Field-Installed		
<b>Backlight Shield</b> NTA-BLSF-11L - For use with 11L only NTA-BLSF-19L - For use with 19L only NTA-BLSF-35L - For use with 35L only	<b>Bird Spikes</b> NTA-BRDSPK-19L - For use with 19L only NTA-BRDSPK-35L - For use with 35L only	<b>Cable</b> NTX-QC-5-U - 5' (1.5m) cable replacement <b>Shorting Cap</b> XA-XSLSHRT <b>NEMA 3-Pin Photocell</b> C-ACC-A-PCELL-NEMA3-LV - UL (120-277V) Voltage only

## Ordering Information

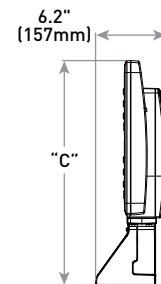
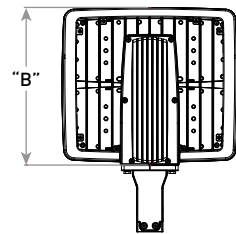
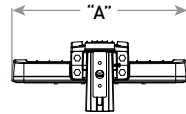
Fully assembled luminaire is composed of two components that must be ordered separately:

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

Mount (Luminaire must be ordered separately)*		
<b>Direct Arm Mounts</b> NTA-DA-BZ-U - Direct Arm Mount NTX-3R-BZ-U - Extended Arm includes a NEMA® 3-Pin Photocell Receptacle and a knockout for an Occupancy Sensor - Must be used with NTA-DA-BZ-U mount	<b>Adjustable Arm Mounts</b> NTX-AA-BZ-U - Adjustable Arm Mount w/knockout for Field-Installed Button Photocell (by others) NTX-AA-3R-BZ-U - Adjustable Arm Mount w/NEMA® 3-Pin Photocell Receptacle NTX-3R-BZ-U - Extended Arm includes a NEMA® 3-Pin Photocell Receptacle and a knockout for an Occupancy Sensor - Must be used with NTX-AA-BZ-U mount	<b>Trunnion Mounts</b> NTX-TR-BZ-U - Trunnion Mount NTX-TR-3R-BZ-U - Trunnion Mount w/NEMA® 3-Pin Photocell Receptacle NTX-TR-PK-BZ-U - Trunnion Mount w/knockout for Field-Installed Button Photocell (by others) NTX-3R-BZ-U - Extended Arm includes a NEMA® 3-Pin Photocell Receptacle and a knockout for an Occupancy Sensor - Must be used with NTX-TR-BZ-U mount

**Note:** NEMA® 3-Pin Photocell Receptacle requires photocell or shorting cap by others

## 11L Direct Mount NTA-DA-BZ



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 page 3-5 for additional line drawings

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

NTA	A	NM					BZ
Product	Version	Mounting	Optic	Lumen Package**	CCT	Voltage	Color Options
NTA	A	NM No Mount	T3* Type III Medium T4* Type IV Medium T5 Type V Medium	11L 11,000 lumens 19L 19,000 lumens 35L 35,000 lumens	40K 4000K 50K 5000K	UL Universal 120-277V UH Universal 347-480V	BZ Bronze

\* 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



US: [creelighting.com](http://creelighting.com) (800) 236-6800

Canada: [creelighting-canada.com](http://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 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® 3-Pin photocell receptacle, trunnion mount, trunnion mount w/NEMA® 3-Pin photocell receptacle, trunnion mount w/knockout provision for field-installed button type photocell (by others), and direct arm mount
- Extension arm accessory for adjustable, direct and trunnion mounts provides both a NEMA® 3-Pin photocell receptacle and a knockout provision for a field-installed occupancy sensor (by others)
- 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 or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV 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
- Suitable for wet locations
- Enclosure meets IP65 requirements per IEC 60529
- Certified to ANSI C136.31-2001, 1.5G vibration standards
- ANSI C136.2 10kV 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
- DLC Premium qualified. Please refer to <https://www.designlights.org/search/> for most current information
-  **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

Electrical Data*							
Lumen Package	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
11L	75	0.75	0.40	0.35	0.30	0.24	0.17
19L	130	1.30	0.75	0.65	0.56	0.45	0.33
35L	230	2.30	1.33	1.15	1.00	0.80	0.58

\* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/-10%

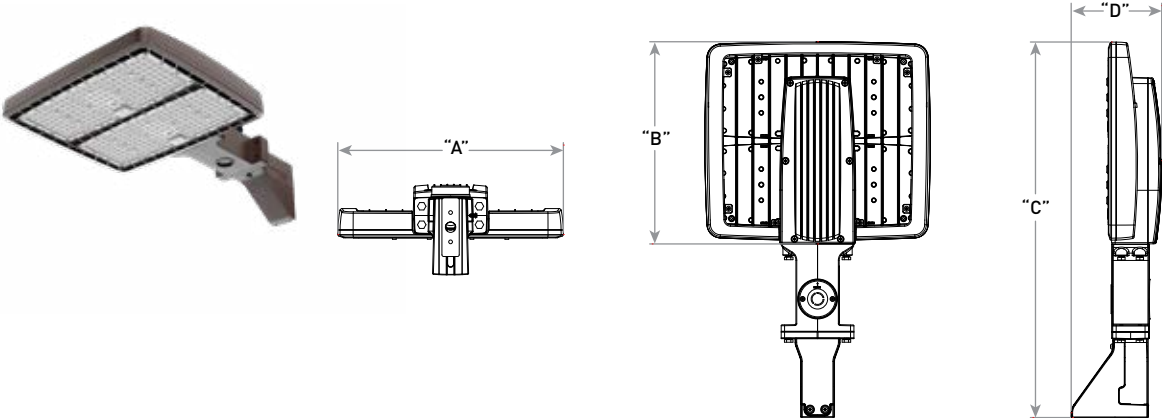
Noctura Series Ambient Adjusted Lumen Maintenance <sup>1</sup>					
Ambient	Initial LMF	25K hr Reported <sup>2</sup> LMF	50K hr Reported <sup>2</sup> LMF	75K hr Estimated <sup>3</sup> LMF	100K hr Estimated <sup>3</sup> LMF
5°C (41°F)	1.04	0.98	0.92	0.87	0.87
10°C (50°F)	1.03	0.97	0.91	0.86	0.86
15°C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

<sup>1</sup> Lumen 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.

<sup>2</sup> In 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.

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

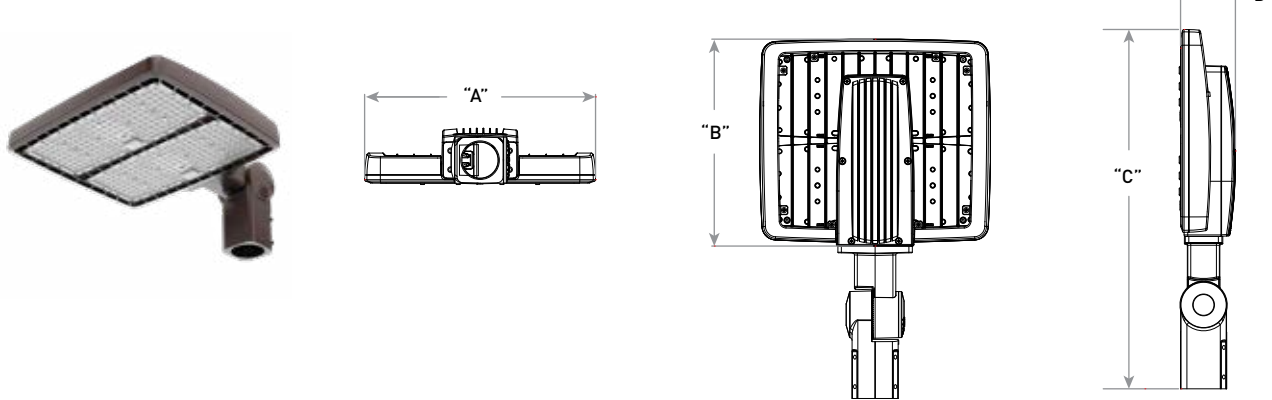
**19L**  
**Direct Mount w/ Extended Arm, NEMA® 3-Pin Photocell Receptacle, and Occupancy Sensor Knockout**  
**(NTA-DA-BZ-U w/NTX-3R-BZ-U)**



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)

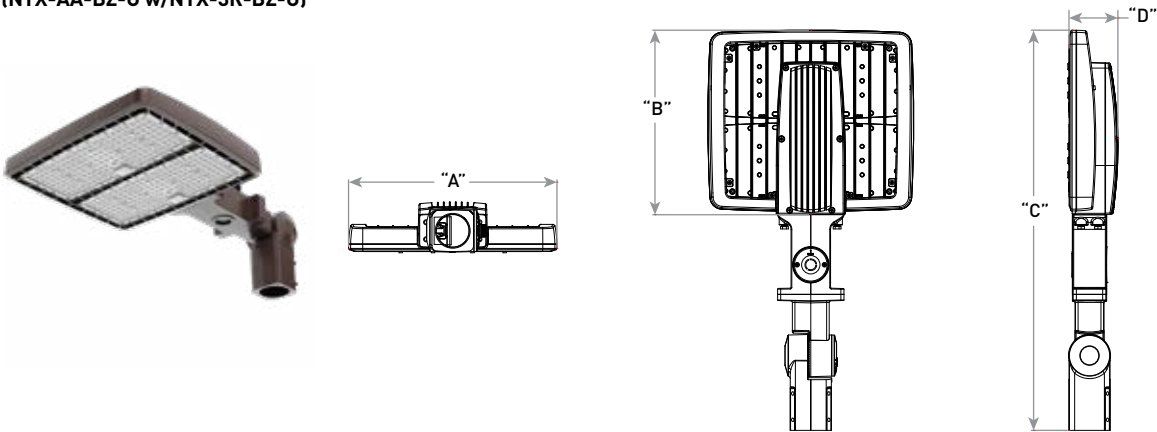
**19L**  
**Adjustable Arm Mount w/Knockout for Field-Installed Button Photocell (by others)**  
**(NTX-AA-BZ-U)**



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)

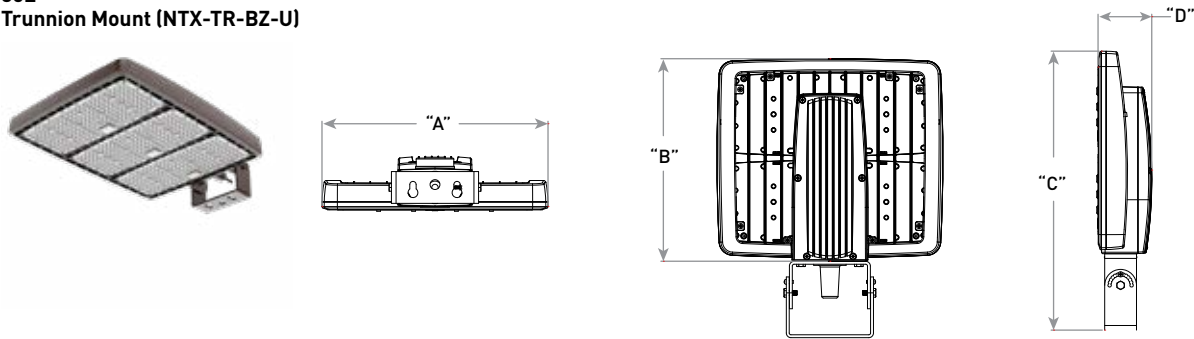
19L  
Adjustable Arm Mount w/ Extended Arm, NEMA® 3-Pin Photocell Receptacle, and Occupancy Sensor Knockout  
(NTX-AA-BZ-U w/NTX-3R-BZ-U)



Lumen Package	Weight*	Dim "A"	Dim "B"	Dim "C"	Dim "D"
11L	14.7 lbs. [6.7kg]	10.6" [269mm]	12.9" [327mm]	29.0" [737mm]	3.6" [92mm]
19L	18.2 lbs. [8.3kg]	15.4" [391mm]	13.8" [350mm]	29.9" [760mm]	3.7" [93mm]
35L	23.3 lbs. [10.6kg]	15.4" [391mm]	19.8" [502mm]	35.9" [911mm]	3.8" [95mm]

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

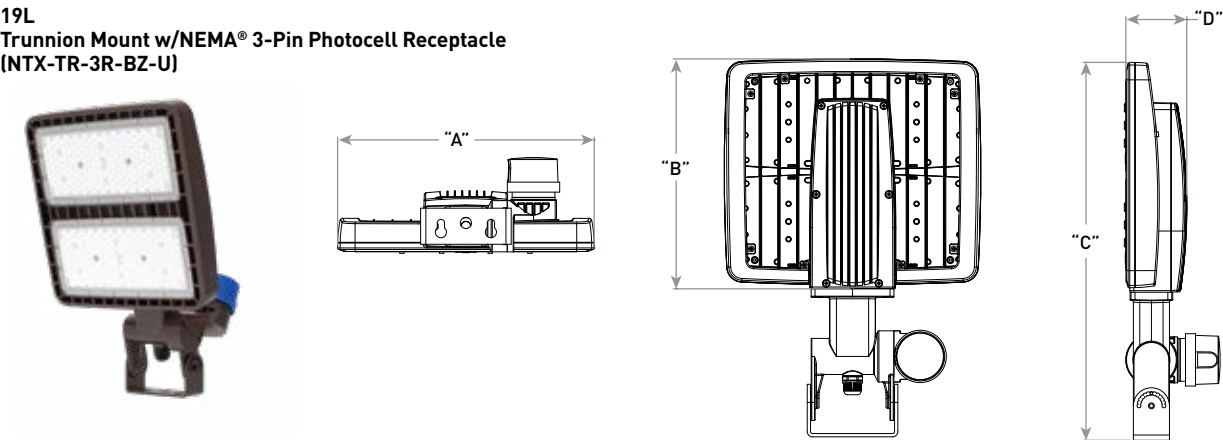
35L  
Trunnion Mount (NTX-TR-BZ-U)



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)

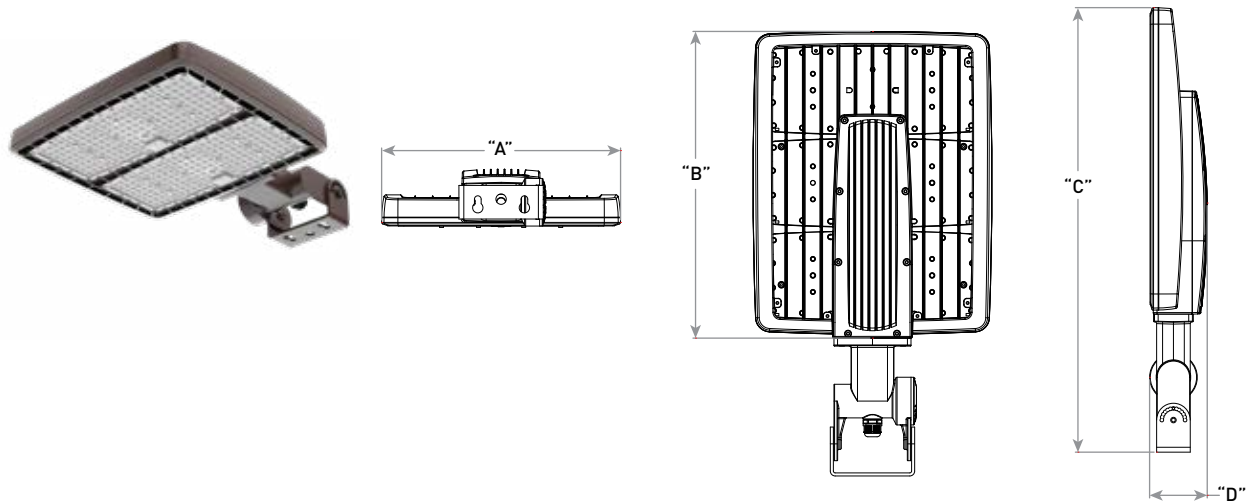
19L  
Trunnion Mount w/NEMA® 3-Pin Photocell Receptacle  
(NTX-TR-3R-BZ-U)



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)



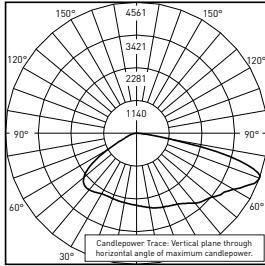
Lumen Package	Weight*	Dim "A"	Dim "B"	Dim "C"	Dim "D"
11L	12.8 lbs. [5.8kg]	10.6" [269mm]	12.9" [327mm]	21.8" [553mm]	3.6" [92mm]
19L	16.2 lbs. [7.3kg]	15.4" [391mm]	13.8" [350mm]	22.7" [576mm]	3.7" [93mm]
35L	21.3 lbs. [9.7kg]	15.4" [391mm]	19.8" [502mm]	28.6" [727mm]	3.7" [94mm]

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

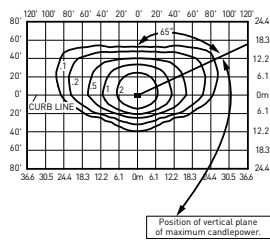
## Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:  
<http://www.creelighting.com/products/outdoor/area/noctura-area>

### T3



RESTL Test Report #: PL14468-001A  
 NTA-A-NM-T3-11L-40K-UL-\*\*-\*\*  
 Initial Delivered Lumens: 10,914



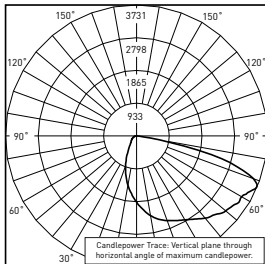
NTA-A-NM-T3-11L-40K-UL-\*\*-\*\*  
 Mounting Height: 25' (7.6m) A.F.G.  
 Initial Delivered Lumens: 11,475  
 Initial FC at grade

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

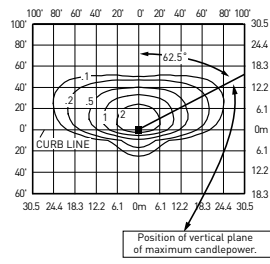
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* 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-\*\*-\*\* 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	4000K		
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Efficacy (LPW)
11L	7,575	B1 U0 G1	101
19L	12,675	B2 U0 G2	98
35L	23,500	B3 U0 G3	102

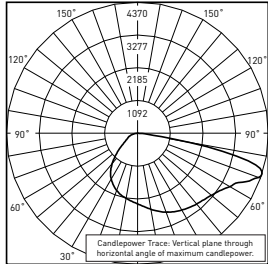
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* 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

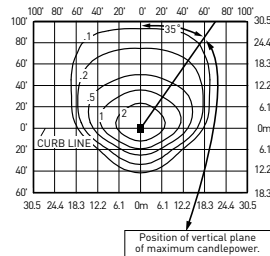
## Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:  
<http://www.creelighting.com/products/outdoor/area/noctura-area>

### T4



**RESTL Test Report #:** PL14470-001A  
**NTA-A-NM-T4-11L-40K-UL-\***  
**Initial Delivered Lumens:** 10,892



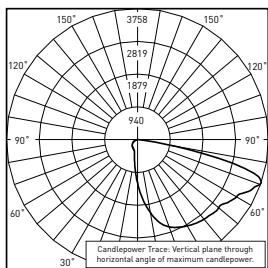
**NTA-A-NM-T4-11L-40K-UL-\***  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 11,475  
**Initial FC at grade**

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

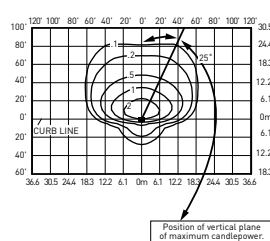
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* 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-\*** 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	4000K/5000K		
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Efficacy (LPW)
11L	7,575	B1 U0 G2	101
19L	12,675	B1 U0 G2	98
35L	23,500	B2 U0 G3	102

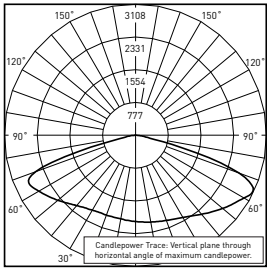
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* 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

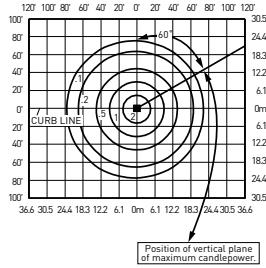
Photometry

All published luminaire photometric testing performed to IES LM-79-08 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  
NTA-A-NM-T5-11L-30K-UL-\*\*  
Initial Delivered Lumens: 11,626











NTA-A-NM-T5-11L-40K-UL-\*\*  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 11,475  
Initial FC at grade

Type V Medium Distribution			
Lumen Package	4000K/5000K		
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Efficacy (LPW)
11L	11,475	B3 U0 G2	153
19L	19,200	B4 U0 G2	148
35L	35,600	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-3R-BZ-U mount; Add 2.4 lbs. (1.1kg) for NTX-3R-BZ-U Extended Arm								
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-3R2.375; PD-3A4(90); PT-3(90)	PB-3A*; PB-3R2.375; PT-3(120)	PB-3A*; PB-3R2.375	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-3R2.375	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 <sup>‡</sup> (must specify color)	
<b>Square Internal Mount Vertical Tenons (Steel)</b> - Mounts to 3-6" (76-152mm) square aluminum or steel poles PB-1A* – Single PB-2A* – 180° Twin PB-3A* – 180° Triple PB-4A*(90) – 90° Quad PB-4A*(180) – 180° Quad	<b>Round External Mount Vertical Tenons (Steel)</b> - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons PB-2R2.375 – Twin PB-3R2.375 – Triple PB-4R2.375 – Quad
<b>Square Internal Mount Horizontal Tenons (Aluminum)</b> - Mounts to 4" (102mm) square aluminum or steel poles PD-2A4(90) – 90° Twin PD-2A4(180) – 180° Twin PD-3A4(90) – 90° Triple PD-4A4(90) – 90° Quad	<b>Round External Mount Horizontal Tenons (Aluminum)</b> - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon PT-1 – Single (Vertical) PT-2(90) – 90° Twin PT-2(180) – 180° Twin PT-3(90) – 90° Triple PT-3(120) – 120° Triple PT-4(90) – 90° Quad
<b>Wall Mount Brackets</b> - Mounts to wall or roof WM-2 – Horizontal for NTX-AA mounts WM-4 – L-Shape for NTX-AA mounts	<b>Mid-Pole Bracket</b> - Mounts to square pole PW-1A3** – Single PW-2A3** – Double
	<b>Ground Mount Post</b> - For ground-mounted flood luminaires PGM-1 – for NTX-AA mounts

<sup>‡</sup> Refer to the [Bracket and Tenons spec sheet](#) for more details

**Luminaire EPA**

<b>Direct Arm Mount - NTA-DA-BZ-U w/housing Weight:</b> 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-U Extended Arm						
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**

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