

Noctura Series

LED Wall Mount Luminaires

Rev. Date: V19 08/14/2025

Product Description

The Noctura® LED Wall Mount 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. The rugged yet lightweight aluminum housing and mounting box are designed for easy installation of a variety of junction box styles (4" square, 3" and 4" octagonal, single gang (vertical or horizontal mounts). Luminaires (3L) allow for through-wired or conduit entry from the top, sides and rear. Luminaires (7L) allow for through-wired or conduit entry from the top, bottom, sides and rear.

Applications: Ideal for both retrofit and new installation: building facade, security and general lighting applications.

Performance Summary

Initial Delivered Lumens: Up to 6,750 lumens

Efficacy: Up to 147 LPW

CRI: Minimum 70 CRI

CCT: 3000K, 4000K, 5000K

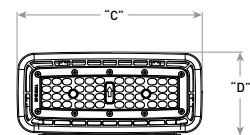
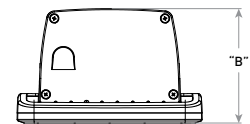
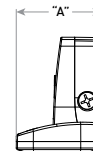
Limited Warranty*: 5 years for luminaire/ up to 5 years for Synapse® accessory/ 1 year for photocell accessory and replacement parts

* See <https://www.creelighting.com/resources/warranties/> for warranty terms

Accessories

Field-Installed
Field-Installed Button Photocell JL-423CZ - UL (120-277V) Voltage only Synapse® SimplySnap 10V Interface DIM10-220F - 120V-277V - Requires other Synapse components to complete system - Refer to DIM10-220F spec sheet for details

7L



Lumen Package	Weight	Dim "A"	Dim "B"	Dim "C"	Dim "D"
3L	3.0 lbs. [1.4kg]	4.0" [102mm]	5.4" [136mm]	8.7" [220mm]	3.9" [100mm]
7L	4.6 lbs. [2.1kg]	6.5" [165mm]	5.4" [136mm]	9.8" [250mm]	6.4" [163mm]

Ordering Information**

Example: NTW-A-WM-T3-3L-50K-UL-BZ

Luminaire									
Family	Series	Mounting	Optic	Lumen Package*	CCT	Voltage	Finish	Options	
Small Housings									
Available 3L Product Combinations									
NTW	A	WM	T3 - Type III	3L	50K	UH - 347-480V	BZ - Bronze		
NTW	A	WM	T3 - Type III	3L	30K	UL - 120-277V	CS - Camaro Silver	P - Button Photocell	
Available 7L Product Combinations									
NTW	A	WM	T3 - Type III	7L	40K	UH - 347-480V	BZ - Bronze		
NTW	A	WM	T3 - Type III	7L	50K	UH - 347-480V	BZ - Bronze		

* 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



Website: creelighting.com

US: (800) 236-6800 Canada: (800) 473-1234

CREE ⇄ **LIGHTING**®

Product Specifications

CONSTRUCTION & MATERIALS

- Luminaire housing is rugged die cast aluminum with integral, LED driver compartment is specifically designed for LED applications with advanced LED thermal management and driver
- Luminaire mounting box designed for easy installation of a variety of junction box styles: 4" square, 3" and 4" octagonal, single gang, vertical or horizontal mounts
- Luminaire can also be direct mounted to a wall and surface wired
- Direct mount to junction box with knockouts and grommet on back
- Luminaires (3L) allow for through-wired or conduit entry from the top, sides and rear
- Luminaires (7L) allow for through-wired or conduit entry from the top, bottom, sides and rear
- Housing includes a knockout for field installed button type photocontrol (by others)
- Housing and mounting accessories finished in bronze or camaro silver polyester powder coat paint, 2.5 mil nominal thickness
- Weight:** 3L-3.0 lbs. (1.4kg); 7L-4.6 lbs. (2.1kg)

ELECTRICAL SYSTEM

- Input Voltage:** 120-277V or 347-480V, 50/60Hz
- 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
- 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)
- Snap connectors make wiring quick and simple

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for wet locations
- Designed for downlight applications only
- Meets NEMA C82.77 standards
- Drivers and LEDs are UL Recognized in accordance with UL8750
- Enclosure meets IP65 requirements per IEC 60529
- Certified to ANSI C136.31-2018, 3G 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 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
3L	24	0.24	0.14	0.12	0.10	0.08	0.06
7L	46	N/A	N/A	N/A	N/A	0.16	0.12

* 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 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	.097	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

¹ 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.

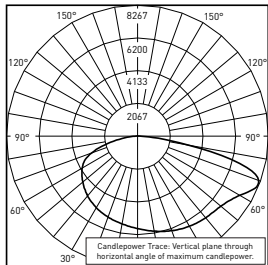
² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

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

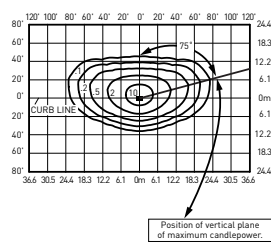
Photometry

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

T3



Ningbo TengLi Testing Co. Test Report #:
 STD190155NB-BK
 NTW-A-WM-T3-23L-30K-UL-**
 Initial Delivered Lumens: 21,664



NTW-A-WM-T3-23L-40K-UL-BZ
Mounting Height: 15' (4.6m) A.F.G.
Initial Delivered Lumens: 22,600
 Initial FC at grade

Type III Medium Distribution			
Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM 15 20	Efficacy (LPW)
3L	3,250 (3000K)/ 3,370 (5000K)	B1 U0 G1	140
7L	6,750 (4000K/5000K)	B2 U0 G1	147

* 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

Replacement Parts

Driver Replacement Kits		
Product	Lumen Package*	Voltage*
NTW-A-DVRKT	1L 1,600 lumens 3L 3,500 lumens 7L 7,000 lumens 11L 11,000 lumens 23L 23,000 lumens	UL Universal 120-277V

* Consult factory for 17L lumen package or UH (347-480V).