

NAT Series High Bay LED Fixtures

Project Name:

Date:

Product/Type:

Specification Data Sheet

The NAT series provide a combination of superior quality, high reliability, and unmatched performance for your Natatorium/Indoor Pool area.

Electrical

Operating Voltage: 100-277VAC @50/60Hz (480VAC Optional)

Wattage Draw: 155 Watts

System Power Factor: > 0.9% (0.96-0.99 Typical)

Total Harmonic Distortion: < 20%

Surge Protection: Standard 6kV drivers ^{5,6}
(Additional surge protection available)

Cable Entry: 1/2" Conduit opening on top and bottom side

Wiring: Flying leads inside wiring cavity standard with spring-lock connectors. (3-Prong Plugs, Twist-lock Plugs, and different lengths of 3-Conductor Wire available as options)²

Ratings

Operating Temperature: -40 to 131°F (-40 to 55°C)

Safety: CSA Certified

Location: UL Dry & Damp

Environmental: RoHS Compliant

Utility: DesignLights Consortium (DLC)

LED Information

Lumen Output: 25,100 Lumens

CRI: 80 Standard¹

Rated Life: L70 @ 125,000 hrs. @ 40°C for LED's 7

CCT: 5000K standard ^{3,4}

Comparable Light Source: T5H0 or 8-Lamp T8

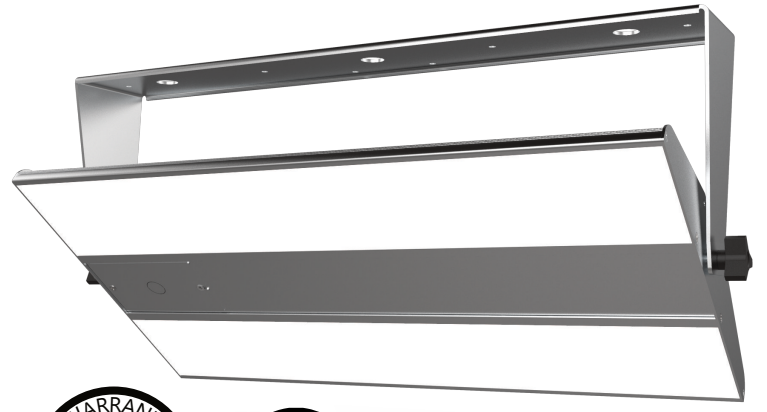
*Lumen output and LED Color standard. Other options available. Consult sales for more information. Output measured in factory setting and may not be reflective of field output

Construction & Finish

Housing: Aluminum housing and stainless steel hardware for corrosion resistance

Lens: Frosted acrylic (poly-carbonate upon request)²

Weight: 15lbs



Controls & Options

Variable Dimming: 0-10VDC

Dimming Range: 100%-10%

Mounting

Typical Mounting: Wall bracket mounting standard. Hanging Cable also available.

Mounting Holes: Two holes per end for Hanging Cable Option

Ordering Information/Parts

Standard Fixture: NAT24000-5K-F

To add cord and/or plug to the fixture select an option from each of the columns below and attach it to the end of the part number. (E.g. NAT24000-5K-F-AB would be a 6' cord with 15 amp twist lock)

Cord	Plug
N - No Cord	N - No Plug
A - 6' long 3-Conductor SVT Cord	A - 3-prong plug
B - 10' long 3-Conductor SVT Cord	B - 15 Amp Twist Lock
C - 20' long 3-Conductor SVT Cord	C - 20 Amp Twist Lock

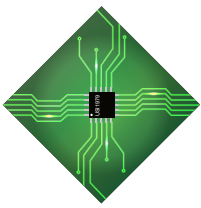
— *Consult factory for custom cord lengths or plug options —

Hanging Cable Kit: HK-100

Replacement Lens: EM0076

PT0002: Surge Protection Module

GS0003: Replacement LED Driver



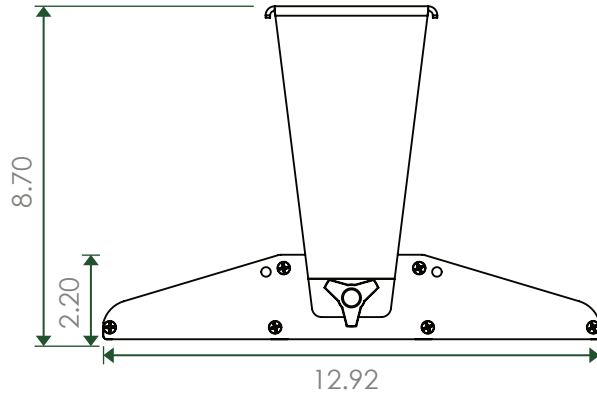
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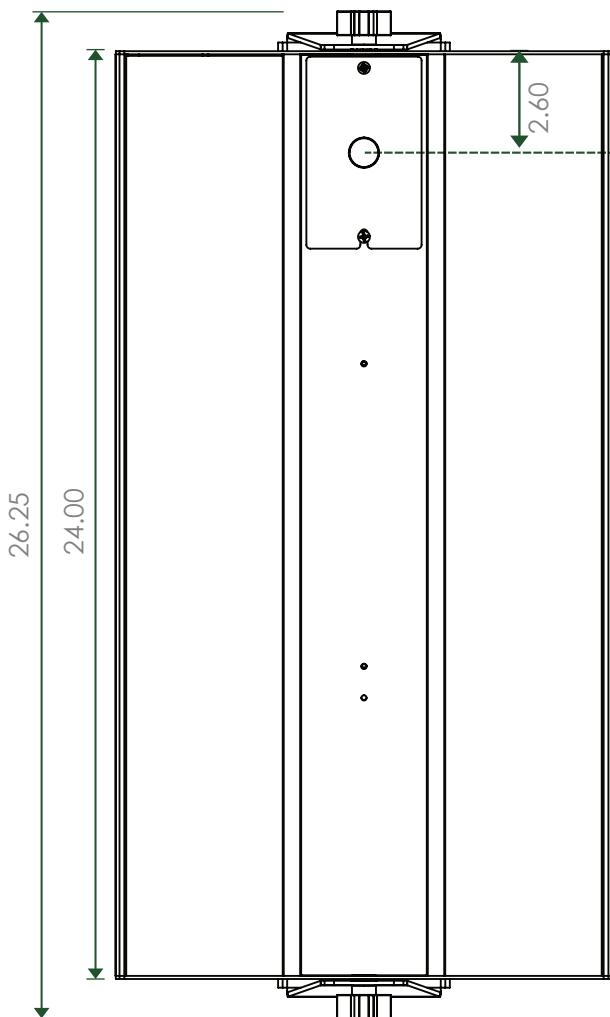
Product/Type:

Physical Dimensions

End View

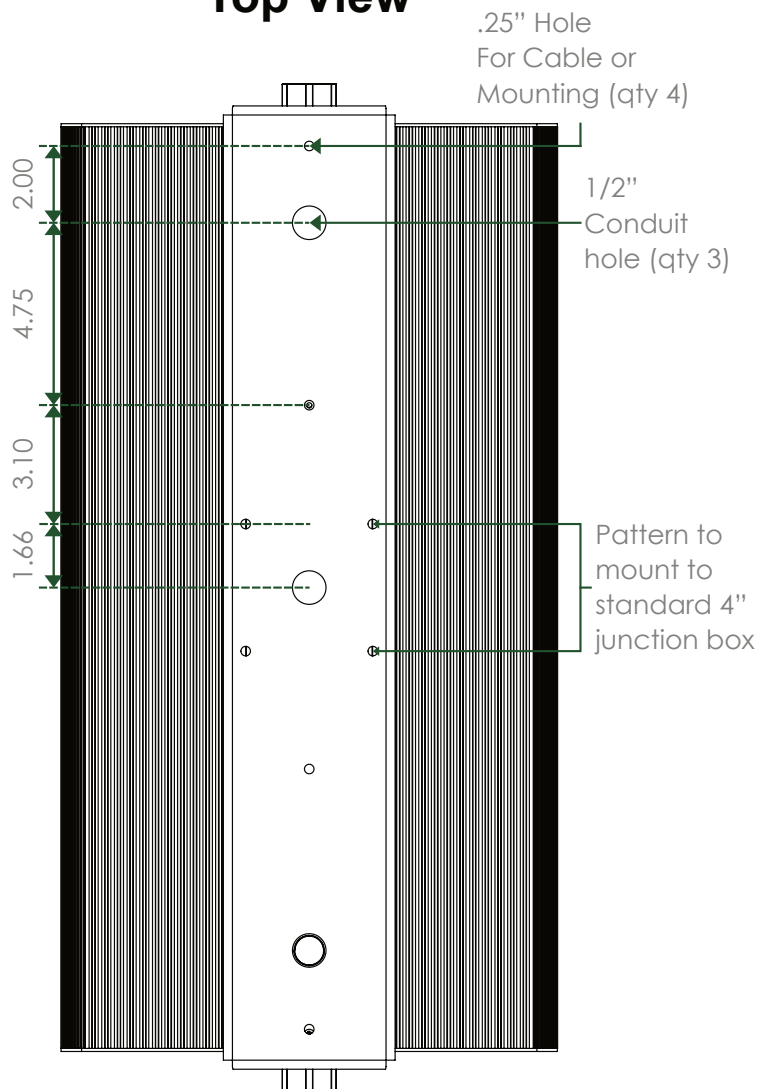


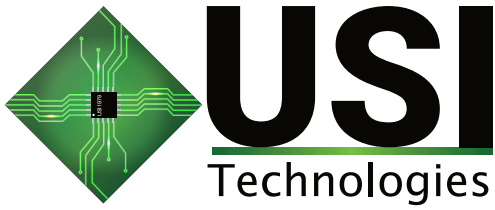
Bottom View



Top & Bottom Side
1/2" Conduit Knockout

Top View





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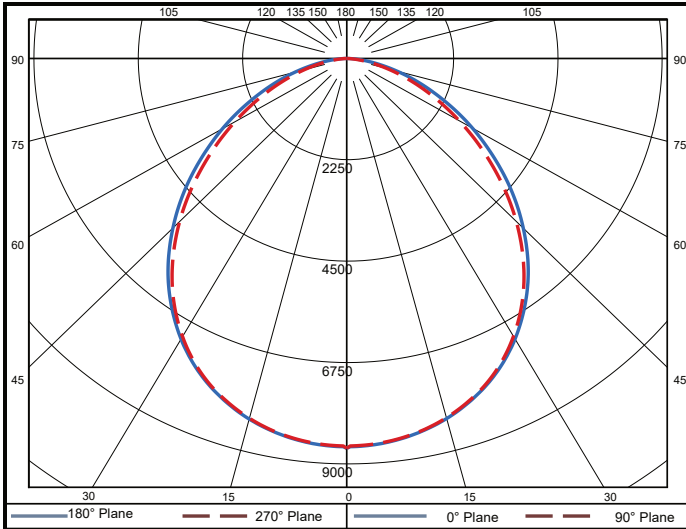
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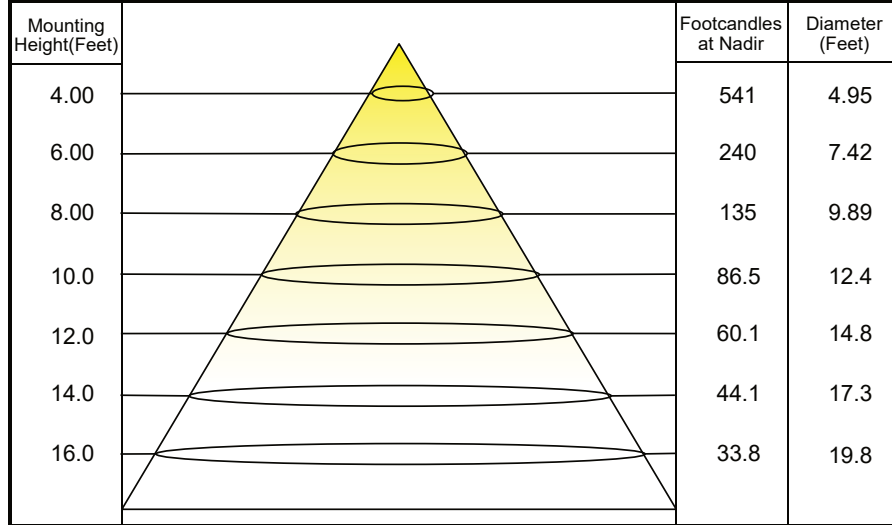
Product/Type:

Candela Plots

Polar Plot



Cone of Light Tabulation



These images depict the luminous intensity distribution characteristics of the 24000 model of the luminaire. Higher/Lower output models will show linear change in the output.

Footnotes:

1. Consult factory for pricing and lead-times for other CRI ratings.
2. Consult factory for pricing and lead-times for other options.
3. Consult factory for other CCT options. Other options not DLC qualified.
4. Other CCT options may not have IES files available.
5. Use Littelfuse # LSP10277-S for additional surge protection.
6. LSP10 product compliance to IEEE C62.41.2 Location C high and US Department of Energy MSS:C Model Specification.
7. LM80 tests and reports are performed in accordance to IESNA standards.
8. All cords are 18/3 AWG, 300V and black. Consult factory for other options.

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any USI Technologies products without proper installation and periodic inspections could cause severe injury or death. USI Technologies recommends that all installations should use secondary retention / netting where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to determine the suitability of the product for its intended application and ensure that the product is safely installed and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, USI Technologies disclaims all liability for personal injury and/or other damage resulting from any dislodging or other dislocation of its products.

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