TURTLE FRIENDLY
Coastal Protection Lighting Collection

RZR-441-WH

SPECIFICATION SHEET

SPECIFICATIONS

COASTAL HABITAT PROTECTION

Light Unit
Aluminum Die cast with powder paint coat preventing discoloring and rusting. Shielded lens regressed by 0.5" to provide full cutoff at 90-degree plane.

Optics
Back-lit LED, long wavelength, amber & low lumen output, polycarbonate diffused lens for a smooth and even light. The regressed design offers an anti-glare feature.

Electrical & Phase Control
Easily connected to a 120V power supply via provided UL recognized driver. Dimming down to 10% with most standard LED dimmers (see list of approved dimmers). Ambient operating temperature: -40°C (-40°F) to +40°C (+104°F). IC, WET Location and AIR-TIGHT rated. Phase Control: Forward Phase. Certifications: This product is ETL listed in USA & Canada, certified to UL standard 1598 and CSA standard C22.2 No. 250.0-08

Wiring
Plenum rated cable used to connect light unit and junction box.

Junction Box
Aluminum extrusion, with ½" knockouts on the end and 2 sides. Wiring compartment 8 cuin allows for (6) 12 gauge (AWG) or (8) 14 gauge (AWG) insulated conductors. Connection to one (1) downstream unit is permitted within the junction box compartment. The compartment satisfies luminaire junction box volume requirements of UL1598 & CSA C22.2 No. 250.
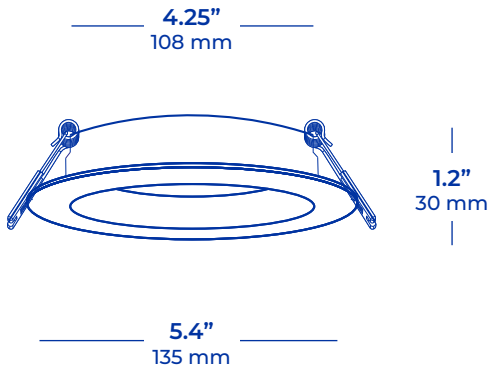
Installation
Ideal for exterior covered ceiling applications where restrictions for light pollution are required. A great solution for fish & wildlife, turtle hatchlings along the coast or any dark sky initiative. Steel spring clips for easy installation that can be used with or without new construction mounting plates or additional shield accessories (sold separately).
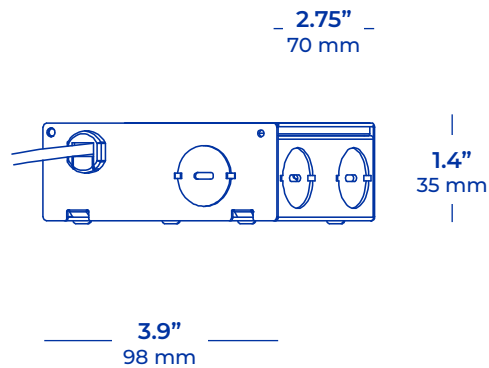
Selectable color temperature	**1400K Amber LED**
Lumen output	**150 lumens**
Shielded lens	**0.5" regressed**
Full cutoff	**0 cd @ 90°**
Wavelength	**>560nm, (peak = 595nm) narrow band**
Dimmable	**Yes**
Cutting hole	**4.25" (108mm)**
Mounting plate	**AMP425 MPHB425-600**
Wire cable	**FT6 rated**
LED life	**50,000 hours**
Warranty	**5 years**

NDR ™
LIGHTING

DIMENSIONS

downlight

4.25"
108 mm

1.2"
30 mm

5.4"
135 mm

junction box

2.75"
70 mm

1.4"
35 mm

3.9"
98 mm

optional junction box
277V - 9 - 13W

3.22"
82 mm

1.3"
33 mm

4.57"
116 mm
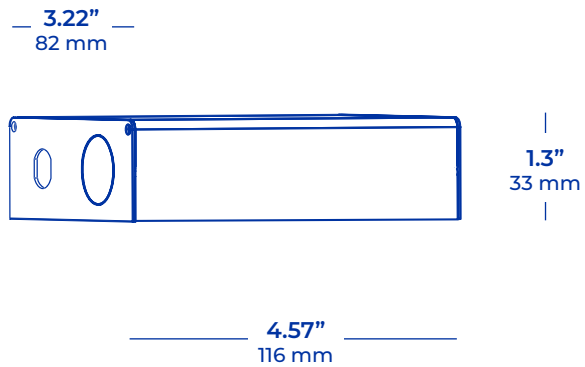
APPLICATIONS

Perfect for residential and commercial buildings along the coast line where light pollution is restricted. Porch lights, soffits, overhang drive through, patio gazebo are just a few examples. The shielded regressed design provides a full cutoff at 90-degrees. The long wavelength (>560nm; peak = 595nm), low lumen, amber LED provides a smooth and warm light that will not disturb the local fauna.
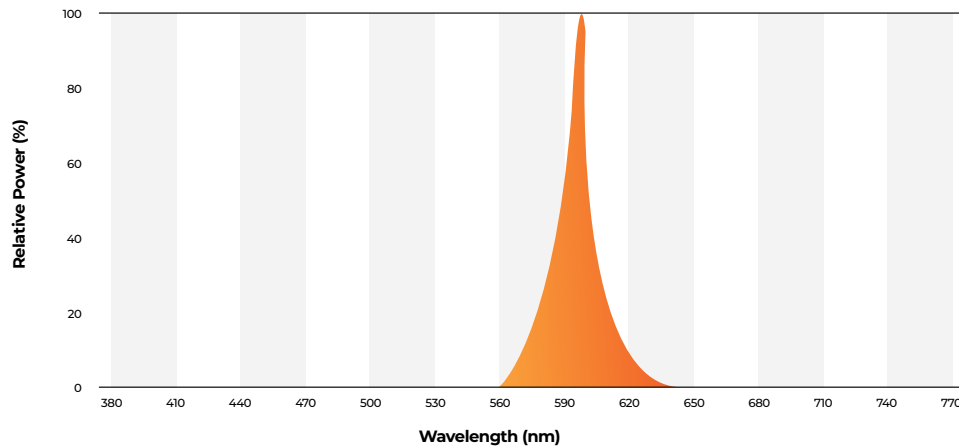
RATINGS & CERTIFICATIONS

ETL
c LISTED us
Intertek

Dimmable

Wet locations rated

Airtight rated

IC rated

NDR™
LIGHTING

ORDERING GUIDE

Series	Color Temperature	Wavelength	Wattage	Finish
RZR-441	1400K	>560 nm; peak = 595 nm	10W	**WH** White

Note: Configure product using **BOLD** options. Ex.: **RZR-441-WH**

SPECTRAL DISTRIBUTION

Spectral Distribution Chart

Full Cut Off Luminous Intensity (cd) Distribution Data

C	0°	22.5°	45°	67.5°	90°
0.0	62.3	62.3	62.3	62.3	62.3
5.0	61.8	61.9	62.1	62.0	62.0
10	61.0	61.0	61.2	61.1	61.1
15	59.5	59.4	59.8	59.6	59.7
20	57.4	57.5	57.6	57.6	57.7
25	54.9	54.9	55.0	55.0	55.2
30	51.8	51.9	51.9	52.0	55.2
35	48.4	48.3	48.5	48.5	48.9
40	44.6	44.4	44.6	44.5	45.0
45	40.2	40.2	40.3	40.3	40.7
50	35.5	35.3	35.6	35.7	36.0
55	30.4	30.3	30.6	30.7	31.1
60	25.2	25.2	25.3	25.6	25.8
65	19.7	19.8	19.9	20.1	20.4
70	14.0	14.0	14.2	14.4	14.7
75	7.8	8.0	8.3	8.5	8.7
80	2.0	2.2	2.5	2.6	2.8
85	0.1	0.1	0.1	0.2	0.2
90	0.0	0.0	0.0	0.0	0.0

ACCESSORIES

Shield
White powder coated steel shield provides an additional 4.5" visor to be used with the 4" Turtle Friendly Razor or Ridge models. Easily installed between the fixture and the ceiling surface. Designed for easy rotation to block the visible light from the area facing the coast line. Great for higher elevations where the regressed lens is not sufficient to block the visible light from the restricted area.

Adjustable mounting plate
Versatile adjustable mounting plate allows for installation of all models of NDR Lighting recessed lighting products. Refer to our mounting plate compatibility chart to ensure the proper mounting plate is selected.

Universal mounting plate with adustable hanger bars
This multi-size adjustable mounting plate allows for installation of all models of NDR Lighting recessed lighting products. Refer to our mounting plate compatibility chart to ensure the proper mounting plate is selected.

Vapour barrier
This vapour barrier unit may be used with all NDR Lighting recessed lighting products. it is designed to prevent air leakage from your living space into the attic, or any insulated spaces.

Remodel vapour barrier
The remodel vapour barrier unit may be used with all NDR Lighting remodel housings. it is designed to prevent air leakage from your living space into the attic, or any insulated spaces.

Razor cables
These connecting cables are for use with the NDR Lighting Razor Series. These cables allow for greater flexibility in designing custom layout needs.

Goof rings
This goof ring is used when the ceiling hole is wider than the retrofit light unit being installed. Refer to our goof ring compatibility chart to ensure the proper goof ring is selected.