

Neutron Deep

Premium-Grade Surface-Mounted One Lamp Wrap-Around Ceiling Luminaire

| Project |  |
|---------|--|
| Туре    |  |
| Date    |  |
| Cat #   |  |

# Application Features

Premium-grade, surface-mounted wrap-around luminaire with low-brightness linear sides. For use with indoor applications where high-efficiency, high-performance and ease of installation are required.



# **Specifications**

### Optical System

Standard diffuser is clear acrylic with prismatic bottom and ribbed linear sides designed for even and low-glare illumination. Optional reflectors are available in specular aluminum with a minimum reflectance of 95%.

## Mounting

Mounts over electrical junction box. Mounting holes are provided within offset to prevent distortion of housing when tightening mounting fasteners. Offset mounting pads which keep luminaire level and slightly off of the mounting surface are formed within the housing.

#### Construction

Die-formed, code gauge pre-painted, high-reflectance white steel housing. Ballast cover snaps into place eliminating the need for tools when accessing the ballast. Flattened knockouts are provided on ends for conduit attachment. Diffuser hinges from either side in a lift and shift manner and is self-centered for easy re-lamping and re-ballasting. This luminaire is suitable for row-mounting.

#### Finish

Pre-painted, high-reflectance white housing.

#### Electrical

Rotary lampholders ensure positive lamp retention. Sufficient knockouts are provided for connections and through wiring.

# Approvals

Approved to CSA and UL standards.

## **Features**

- Available with only 1 lamp (T5 and T8 configurations)
- · Available in 48 and 96 inch lengths
- · Clear, acrylic diffuser with prismatic bottom and ribbed linear sides
- Diffuser hinges from either side and is selfcentered for easy re-lamping and reballasting
- · Continuous row-mounting capability

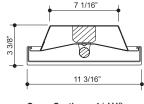
# **Options & Adders**

- Enhanced specular aluminum reflector with a minimum reflectance of 95%
- · Dimmable and Emergency ballast
- Single-piece 8 foot diffuser (special order)
- Joiner band
- · Stem and canopy sets

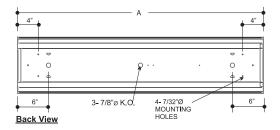
## **Applications**

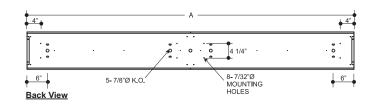
- Classrooms
- Corridors
- Kitchens
- Stairwells
- Utility Areas
- Office Areas

## **Dimensions**



**Cross Section** 





| MODEL LENGTH |        |  |
|--------------|--------|--|
| 1 LAMP       | A (in) |  |
| 148          | 48     |  |
| 148/2        | 96     |  |

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# **NED Neutron Deep**

Premium-Grade Surface-Mounted One Lamp Wrap-Around Ceiling Luminaire



VISIONEERING

## Photometrics - NED148-T832N120 - Efficiency 81.9%

## Candle Distribution



| ₋uminance | Summary | /-CD. / | SQ. | M |
|-----------|---------|---------|-----|---|
|-----------|---------|---------|-----|---|

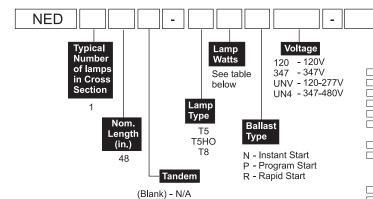
| ı | ANGLE | ALONG | 45   | ACROSS |
|---|-------|-------|------|--------|
| ı | 45    | 1689  | 1677 | 1781   |
| ı | 55    | 1093  | 1111 | 1231   |
| ı | 65    | 692   | 783  | 1051   |
| ı | 75    | 618   | 749  | 1205   |
| ı | 85    | 279   | 683  | 1694   |
|   |       |       |      |        |

#### Candle Power Summary

| ZONE     | LUMENS  | % LAMP | % LUMINAIRE |
|----------|---------|--------|-------------|
| 0 - 30   | 550.60  | 22.90  | 28.00       |
| 0 - 40   | 940.10  | 39.20  | 47.80       |
| 0 - 60   | 1511.40 | 63.00  | 76.90       |
| 0 - 90   | 1830.90 | 76.30  | 93.10       |
| 40 - 90  | 8887    | 50.50  | 54.74       |
| 60 - 90  | -       | -      | -           |
| 90 - 180 | 135.60  | 05.70  | 06.90       |
| 0 - 180  | 1966.60 | 81.90  | 100.00      |

Options

# Ordering



/2 - Single Housing T2 - Two Disjointed

Housings

# <u>Ballast Options</u> (See Option Code Section For More Information)

|   | B02 | Dimming Addressable Digital (dali) |
|---|-----|------------------------------------|
|   | B03 | Dimming Low Voltage (0-10v)        |
|   | B04 | Dimming Line Voltage               |
|   | B08 | Ballast - High Ballast Factor      |
| ٦ | PAG | Ballact Low Ballact Factor         |

B30 **Emergency Lighting Battery Pack** Specification Grade

Emergency Lighting Battery Pack 1-lamp B33 Emergency Lighting Battery Pack 2-lamp

### Finish Options (white is standard)

F01

F02 Post Powder Painted (White)

## **Mounting Options**

Mounting - Lens Divider Plate

Mounting Joiner Band

Mounting Stem & Canopy Set 3/8" IP (5/8" OD) M26

(specify length (xx) 6" increments)

Mounting Stem & Canopy Set 1/2" IP (3/4" OD) (specify length (xx) 6" increments)

Mounting Stem & Canopy Set For Sloped Ceilings ½" IP (3/4" OD) (specify length (xx) 6" increments)

#### **Packaging Options**

Pack Bulk/ Pallet Packed and/or Wrapped K0

## **Reflector Options**

Reflector VF1 Solid Full (95% Reflectance) Specular

### **Approval and Rating Options**

Dual CSA and USA Markets

# Example:

## NED148-T832N120

#### Lamp Watts

|        | Nominal Lamp Watts |      |    |
|--------|--------------------|------|----|
| Length | T5                 | T5HO | T8 |
| 48     | 28                 | 54   | 32 |

Other options may be available consult factory. Specifications and data subject to change without notice.