

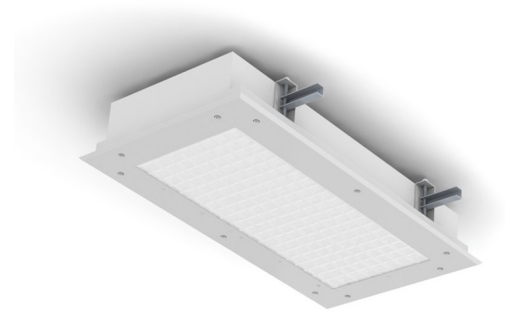
# NOVA RECESSED SERIES



PROJECT: \_\_\_\_\_  
 TYPE: \_\_\_\_\_  
 PRODUCT: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_

## PRODUCT FEATURES

- Certified for use in Hazardous Locations Class I, Division 2, Groups A, B, C and D. Operating temperature code T5
- Available in 1x2, 1x4, 2x2, and 2x4 dimensions
- Recessed ceiling mount; grid or flange
- High-output to meet various lighting level requirements for different applications
- Certified IP65 per IEC60598. ISO Class 3 (Fed Std. 209E/Class 1), NSF2 Splash Zone/Non-Food Zone, IK10 rated in all lens options other than acrylic
- This product was Made in America and complies with the Buy American Act (BAA) requirements



NVA Series

## ORDERING INFORMATION

Example: NVA12-HC/OC-L440-90C-1C-A-UN



| NVA    |                                                                                                                                                   | /                                                                                                                         |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                             |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Series | Size*                                                                                                                                             | Housing                                                                                                                   | Doorframe<br>INSET (I) or OVERLAP (O)                                                                                                                                                                                                                               | Lumen Output*                                                                                                                                                                                                                                                                                                                                                                                                                         | Color Temp.                                                 |
|        | <b>12</b> = 1 x 2<br><b>14</b> = 1 x 4<br><b>22</b> = 2 x 2<br><b>24</b> = 2 x 4<br><br><small>*Nominal Size. Dimensional Data on Page 2.</small> | <b>HC</b> = 20 Ga. CRS Painted<br><b>HS</b> = 20Ga. SS<br><b>HP</b> = 20Ga. SS Painted<br><b>HA</b> = 16Ga. Alum. Painted | <b>OC</b> = 18Ga. CRS Painted<br><b>OS</b> = 18Ga. CRS Brushed<br><b>OP</b> = 18Ga. SS Painted<br><b>OA</b> = 16Ga. Alum Painted<br><b>IC</b> = 20Ga. CRS Painted<br><b>IA</b> = 16Ga. Alum Painted<br><b>IB</b> = 20Ga. SS Brushed<br><b>IS</b> = 20Ga. SS Painted | <b>NVA12-14:</b><br><b>L2</b> = Low<br><b>L3</b> = Standard<br><b>L4</b> = High<br><b>CL</b> = Custom Lumen Output**<br><b>NVA22-24:</b><br><b>L2</b> = Low<br><b>L4</b> = Standard<br><b>L6</b> = Medium<br><b>L8</b> = High<br><b>CL</b> = Custom Lumen Output**<br><br><small>*Subject to change. Performance Data on Page 3.<br/>           **Must be specified at time of quote. Must not exceed fixture maximum output.</small> | <b>35</b> = 3500K<br><b>40</b> = 4000K<br><b>50</b> = 5000K |

| <b>CRI</b><br><b>80C</b> = 80 CRI<br><b>90C</b> = 90 CRI | <b>Circuits</b><br><b>1C</b> = 1 Circuit<br><b>2C</b> = 2 Circuits*<br><br><small>*Allows for Inboard/Outboard control.</small> | <b>Lens</b><br><b>A</b> = .125 Prismatic Acrylic<br><b>B</b> = .125 Prismatic Poly.<br><b>C</b> = .156 Prismatic Poly.<br><b>D</b> = .187 Prismatic Poly.<br><b>E</b> = .125 White Frost Poly.<br><b>G</b> = .140 Prismatic DR Acrylic*<br><br><small>*DR Acrylic not rated for wet locations.</small> | <b>Voltage</b><br><b>12</b> = 120V<br><b>27</b> = 277V<br><b>UN</b> = Universal (120V-277V) | <b>Options</b><br><b>FZ1</b> = Fuse (120V)<br><b>FZ2</b> = Fuse (277V)<br><b>TH</b> = Torx® Head Screws (with center pin)<br><b>TGG</b> = Triple Gasketing (Grid)<br><b>TGF</b> = Triple Gasketing (Flange)<br><b>IP66</b> = IP66 Rated (Overlapping frame only)<br><b>AM</b> = Anti-microbial finish for all room side exposed surfaces |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



**New Star Lighting**

2225 W Pershing Rd, Chicago, IL 60609  
 (773) 847-1400  
[www.newstarlighting.com](http://www.newstarlighting.com)

Specifications and dimensions are subject to change without notice. For additional options and dimensional details, please consult your New Star Lighting representative.

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## SPECIFICATIONS

**HOUSING:** Formed housing with continuous seam welds. Housing available in cold rolled steel, aluminum, and stainless steel.

**DOORFRAME:** Inset or overlapping doorframe available in aluminum, cold rolled steel, and stainless steel.

**LENS:** Acrylic or polycarbonate lens options with smooth side out for easy cleaning.

**LED:** Available in three color temperatures 3500K, 4000K, and 5000K with maximum 3-step MacAdam variation allowance. Other color temperatures available, consult factory. Minimum 80 CRI standard with optional minimum 90 CRI available.

**ELECTRICAL:** 120-277VAC 50/60Hz, constant current driver (<15% THD @ 277VAC, >0.85 PF and <5% THD @ 120VAC, >0.98 PF). Standard 0-10V Dimming with 10-100% range.

**FINISH:** White polyester powder coat finish following multi-stage iron phosphate pretreatment. Optional antimicrobial finish for all room side exposed surfaces available.

**GASKET:** Closed-cell EPDM and closed-cell silicone gasketing seals lens to doorframe and doorframe to housing. Optional triple gasketing, must specify Grid or Flange installation.

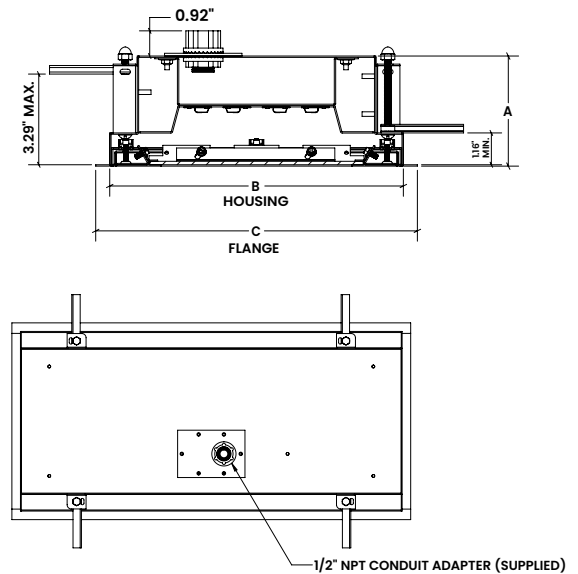
**INSTALLATION:** Universal recessed mounting accommodates Grid and Flange installations. Luminaires will be supplied with adjustable swing arms that can be used for Flange applications or secured to the side of housing for Grid applications. Compatible with 1-1/2" and 15/16" Grid systems. Mounting for custom ceilings available, consult factory. Power entry via 1/2" NPT conduit (conduit adapter supplied).

**WARRANTY:** 5 Year Warranty.

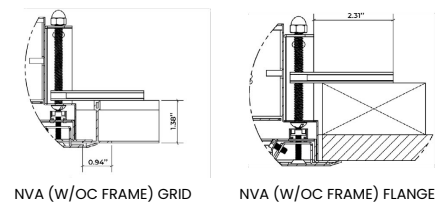
**FASTENERS:** Stainless steel Phillips flat head fasteners with captive cage nuts. Finish to match doorframe.

**LABEL:** UL certified for use Hazardous Locations: Class 1, Division 2, Groups A, B, C, and D. Operating temperature code T5. Suitable for Wet Locations. Certified IP65 per IEC60598. Meets standards for ISO3/ Class 1 Cleanrooms (Fed Std. 209E/Class 1). NSF2 Splash/Non-Food zone, IK10 rated in all lens options other than acrylic. This product is Made in America and complies with the Buy American Act (BAA).

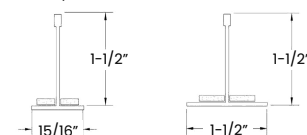
## DIMENSIONAL DATA



|              | A     | B               | C               | REC. CEILING CUT-OUT |
|--------------|-------|-----------------|-----------------|----------------------|
| <b>NVA12</b> | 4.00" | 10.64" X 22.64" | 11.69" X 23.69" | 10.88" X 22.88"      |
| <b>NVA14</b> | 4.00" | 10.64" X 46.64" | 11.69" X 47.69" | 10.88" X 46.88"      |
| <b>NVA22</b> | 4.00" | 22.64" X 22.64" | 23.69" X 23.69" | 22.88" X 22.88"      |
| <b>NVA24</b> | 4.00" | 22.64" X 46.64" | 23.69" X 47.69" | 22.88" X 46.88"      |



**GRID COMPATIBILITY:**  
 NVA12: Spaced at 12" x 24" Centers  
 NVA14: Spaced at 12" x 48" Centers  
 NVA22: Spaced at 24" x 24" Centers  
 NVA24: Spaced at 24" x 48" Centers



## PERFORMANCE DATA\*

\*Data is with 80 CRI chip. LEDs are frequently updated therefore values may change without notice.

| MODEL | OUTPUT        | COLOR TEMP. | LUMENS DELIVERED | EFFICACY (lm/W) | INPUT POWER (W) |
|-------|---------------|-------------|------------------|-----------------|-----------------|
| NVA12 | L2 = Low      | 3500K       | 2875             | 115             | 25              |
|       |               | 4000K       | 3000             | 120             | 25              |
|       |               | 5000K       | 3125             | 125             | 25              |
|       | L3 = Standard | 3500K       | 4180             | 110             | 38              |
|       |               | 4000K       | 4370             | 115             | 38              |
|       |               | 5000K       | 4560             | 120             | 38              |
|       | L4 = High     | 3500K       | 5500             | 110             | 50              |
|       |               | 4000K       | 5750             | 115             | 50              |
|       |               | 5000K       | 6000             | 120             | 50              |
| NVA14 | L2 = Low      | 3500K       | 5750             | 115             | 50              |
|       |               | 4000K       | 6000             | 120             | 50              |
|       |               | 5000K       | 6250             | 125             | 50              |
|       | L3 = Standard | 3500K       | 8250             | 110             | 75              |
|       |               | 4000K       | 8625             | 115             | 75              |
|       |               | 5000K       | 9000             | 120             | 75              |
|       | L4 = High     | 3500K       | 11000            | 110             | 100             |
|       |               | 4000K       | 11500            | 115             | 100             |
|       |               | 5000K       | 12000            | 120             | 100             |
| NVA22 | L2 = Low      | 3500K       | 3000             | 120             | 25              |
|       |               | 4000K       | 3125             | 125             | 25              |
|       |               | 5000K       | 3250             | 130             | 25              |
|       | L4 = Standard | 3500K       | 6000             | 120             | 50              |
|       |               | 4000K       | 6250             | 125             | 50              |
|       |               | 5000K       | 6500             | 130             | 50              |
|       | L6 = Medium   | 3500K       | 8625             | 115             | 75              |
|       |               | 4000K       | 9000             | 120             | 75              |
|       |               | 5000K       | 9500             | 130             | 75              |
|       | L8 = High     | 3500K       | 11500            | 115             | 100             |
|       |               | 4000K       | 12000            | 120             | 100             |
|       |               | 5000K       | 12500            | 125             | 100             |



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## PERFORMANCE DATA CONT\*

\*Data is with 80 CRI chip. LEDs are frequently updated therefore values may change without notice.

| MODEL | OUTPUT        | COLOR TEMP. | LUMENS DELIVERED | EFFICACY (lm/W) | INPUT POWER (W) |
|-------|---------------|-------------|------------------|-----------------|-----------------|
| NVA24 | L2 = Low      | 3500K       | 6000             | 120             | 50              |
|       |               | 4000K       | 6250             | 125             | 50              |
|       |               | 5000K       | 6500             | 130             | 50              |
|       | L4 = Standard | 3500K       | 12000            | 120             | 100             |
|       |               | 4000K       | 12500            | 125             | 100             |
|       |               | 5000K       | 13000            | 130             | 100             |
|       | L6 = Medium   | 3500K       | 17250            | 115             | 150             |
|       |               | 4000K       | 18000            | 120             | 150             |
|       |               | 5000K       | 18750            | 125             | 150             |
|       | L8 = High     | 3500K       | 23000            | 115             | 200             |
|       |               | 4000K       | 24000            | 120             | 200             |
|       |               | 5000K       | 25000            | 125             | 200             |



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