**HOW TO SPECIFY**

**MODELS 5015, 5010, 5075, 5050, 5015R, 5010R, 5075R, 5050R**

**MODEL SERIES 5000**

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| **SUGGESTED SPECIFICATION:**  **Models 5015, 5010, 5075, 5050**  Furnish and install Nailor Model (select one) 5015 (1 1/2" [38] slot), 5010 (1" [25] slot), 5075 (3/4" [19] slot), or 5050 (1/2" [13] slot) Linear Slot Supply Diffusers of the sizes and capacities shown on the plans and air distribution schedules. The maximum length of a single section shall be 72" (1829) long. All sizes larger than 72" (1829) will be provided in continuous multiple sections. Alignment strips are to be provided for joining continuous diffuser sections together. The frame borders and end caps shall be extruded aluminum with extruded aluminum spacers. The linear shall be supplied in 1 – 10 slots wide as specified. Pattern deflectors shall have an aerodynamic 'ice tong' shape that can be adjusted to regulate the volume and direction of the airflow. The maximum length of the deflectors shall be 36" (914), longer sizes shall be provided in multiple sections. The pattern deflector finish shall be black. The frame/border finish is to be AW Appliance White (optional finishes are available).  The manufacturer shall provide published performance data for the linear slot diffuser, which shall be tested in accordance with ANSI/ASHRAE Standard 70–2006.  **Models 5015R, 5010R, 5075R, 5050R**  Furnish and install Nailor Model (select one) 5015R (1 1/2" [38] slot), 5010R (1" [25] slot), 5075R (3/4" [19] slot), or 5050R (1/2" [13] slot) Linear Slot Return Diffusers of the sizes and capacities shown on the plans and air distribution schedules. The maximum length of a single section shall be 72" (1829) long. All sizes larger than 72" (1829) will be provided in continuous multiple sections. Alignment strips are to be provided for joining continuous diffuser sections together. The frame border and end caps shall be extruded aluminum with extruded aluminum spacers. The linear shall be supplied in 1 – 10 slots wide as specified. The finish is to be AW Appliance White (optional finishes are available).  The manufacturer shall provide published performance data for the linear slot diffuser, which shall be tested in accordance with ANSI/ASHRAE Standard 70–2006. |

**MODELS 5075TZ, 5075TZR**

**TECHZONE™ LINEAR SLOT DIFFUSERS – MODEL SERIES 5000TZ**

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| **SUGGESTED SPECIFICATION:**  **Model 5075TZ**  Furnish and install Nailor Model 5075TZ (3/4" [19] slot) Linear Slot Supply Diffusers for TechZone™ Ceilings of the sizes and capacities as shown on the plans and air distribution schedules.The linear diffuser must fit a lay-in style T-Bar as specified in either a 4" (102) or 6" (152) ceiling module width, as determined by the TechZone™ ceiling system selected. The linear shall be supplied with 1 – 4 slots as specified. The maximum length of a single section shall be 72" (1829) long. All sizes larger than 72" (1829) will be provided in continuous multiple sections. Alignment strips are to be provided for joining continuous diffuser sections together. The frame borders and end caps shall be extruded aluminum with extruded aluminum spacers. Corrosion-resistant steel pattern deflectors shall have an aerodynamic "ice tong" shape that can be adjusted to regulate the volume and direction of the airflow. Pattern deflector finish shall be black. The maximum length of the deflectors shall be 36" (914), longer sizes shall be provided in multiple sections. The frame/border finish shall be AW Appliance White (optional finishes are available).  The manufacturer shall provide published performance data for the linear slot diffusers, which shall be tested in accordance with ANSI/ASHRAE Standard 70–2006.  **Model 5075TZR**  Furnish and install Nailor Model 5075TZR (3/4" [19] slot) Linear Slot Return Diffusers for TechZone™ Ceilings of the sizes and capacities as shown on the plans and air distribution schedules. The linear diffuser will have 1 – 4 slots, must fit a lay-in style T-Bar, as specified, and fit either a 4" (102) or 6" (152) ceiling module width, as determined by the TechZone™ ceiling system selected. The maximum length of a single section shall be 72" (1829) long. All sizes larger than 72" (1829) will be provided in continuous multiple sections. Alignment strips are to be provided for joining continuous diffuser sections together. The frame borders and end caps shall be extruded aluminum with extruded aluminum spacers. Model 5075TZR is a matching return diffuser and supplied without pattern controllers. The finish shall be AW Appliance White (optional finishes are available).  The manufacturer shall provide published performance data for the linear slot diffusers, which shall be tested in accordance with ANSI/ASHRAE Standard 70–2006. |

**Models 5315(I), 5310(I), 5375(I), 5350(I)**

**LINEAR SLOT DIFFUSER PLENUMS**

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| **SUGGESTED SPECIFICATION:**  Furnish and install **Nailor Model** (select one) **5315(I)** (1 1/2" [38] slot), **5310(I)** (1" [25] slot), **5375(I)** (3/4" [19] slot), or **5350(I)** (1/2"  [13] slot) **Plenums for Linear Slot Diffusers** of the sizes and capacities shown on the plans and air distribution schedules. The plenums shall be manufactured from corrosion-resistant steel and shall include a side inlet for connection to the duct. The width s ſV width shall fit a 1, 2, 3, 4, 5, 6, 7 or 8” slot linear as specified and the length shall be in standard lengths of 20", 24", 30", 36", 48", 60" and 72" (508, 610, 762, 914, 1219, 1524 and 1829 mm). When continuous sections are required, the end caps shall be folded up for uninterrupted airflow. Models 5315I, 5310I, 5375I, and 5350I shall have internal insulation.  (**IDCO**) An optional cable operated round inlet damper with a radial sliding blade design shall be factory mounted on the inlet. Models 5315 and 5310 shall include a flexible rotary cable, connecting the damper to a Phillips head screw operator mounted inside the plenum, permitting air balancing at the diffuser face. Model 5375 shall include a flexible rotary cable with male square rotary end and nylon cable clamp which can be adjusted with 1/4" (6) hex nut driver. Cable shall be threaded through the diffuser face during installation for balancing and pushed back in afterwards.  The manufacturer shall provide published performance data for the linear slot diffuser plenums, which shall be tested in accordance  with ANSI/ASHRAE Standard 70–2006. |

**Models 5315(I)MP, 5310(I)MP, 5375(I)MP, 5350(I)MP**

**LINEAR SLOT DIFFUSER PLENUMS – MODIFIED PLENUMS**

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| **SUGGESTED SPECIFICATION:**  Furnish and install **Nailor Model** (select one) **5315(I)MP** (1 1/2" [38] slot), **5310(I)MP** (1" [25] slot), **5375(I)MP** (3/4" [19] slot), or **5350(I)MP** (1/2" [13] slot) The plenums shall be manufactured from corrosion-resistant steel and shall include a side inlet for connection to the duct. The modified performance plenums shall incorporate integral baffles, providing a reduction in throw and increased spread of the air pattern. The width shall fit a 1, 2, 3, 4, 5, 6, 7 or 8” slot linear as specified and the length shall be in standard lengths of 20", 24", 30", 36", 48", 60" and 72" (508, 610, 762, 914, 1219, 1524 and 1829 mm). When continuous sections are required, the end caps shall be folded up for uninterrupted airflow. Models 5315IMP, 5310IMP, 5375IMP, and 5350IMP shall have internal insulation.  (**IDCO**) An optional cable operated round inlet damper with a radial sliding blade design shall be factory mounted on the inlet. Models 5315 and 5310 shall include a flexible rotary cable, connecting the damper to a Phillips head screw operator mounted inside the plenum, permitting air balancing at the diffuser face. Model 5375 shall include a flexible rotary cable with male square rotary end and nylon cable clamp which can be adjusted with 1/4" (6) hex nut driver. Cable shall be threaded through the diffuser face during installation for balancing and pushed back in afterwards.  The manufacturer shall provide published performance data for the linear slot diffuser plenums, which shall be tested in accordance  with ANSI/ASHRAE Standard 70–2006. |