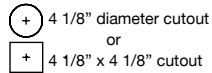


LED 3" Shallow Adjustable IC Downlight



■ DESCRIPTION

Novation® Shallow Adjustable Housing is a pioneer in LED Downlighting, utilizing proprietary water cooling technology to allow for 359° rotation and 30° pivot in a housing that is just 2½" in depth.

■ 23 W Output Performance

Color Temperature	1800K-3000K	2700K		3000K		3500K		4000K	
Color Rendering Index	90+ CRI	90+ CRI	95+ CRI	90+ CRI	95+ CRI	90+ CRI	95+ CRI	90+ CRI	95+ CRI
Source Lumens (lm)	2254	1900	1822	2120	1852	2310	1885	2450	--
Delivered Lumens (lm) (60° Beam Spread)	1441	1456	1397	1625	1420	1771	1445	1878	--
Delivered Lumens (lm) (45° Beam Spread)	--	1328	1274	1482	1295	1615	1318	1713	--
Delivered Lumens (lm) (38° Beam Spread)	--	1349	1293	1505	1315	1640	1338	1739	--
Delivered Lumens (lm) (24° Beam Spread)	--	1274	1221	1421	1241	1548	1264	1642	--
Delivered Lumens (lm) (12° Beam Spread)	--	1286	1233	1435	1254	1563	1276	1658	--

For wattage options other than 23W please use the multiplier chart to calculate the output performance

Wattage	30	23W	14W	10W
Multiplier	1.3	1	0.61	0.43

■ ORDERING CODE

Example: **NVTN-3-SA-23W-30K-90C-3G-60D-ST3-AT-CL-MI-HBAR-COLR**

Product	Watts	Color Temp	Chip Type	CRI	Version	Beam Spread Lens
NVTN-3-SA	-	-	-	-	3G	-
NVTN-3-SA	10W 10 Watts 14W 14 Watts 23W 23 Watts 30W 30 Watts Custom Wattage (Max 30W)	27K 2700K 30K 3000K 35K 3500K 40K 4000K 18K30K ⁽¹⁾ Dim to Warm	Standard (Default) NB Narrow Beam (when using 12D and 24D beam spread lens.) Not applicable for 18K30K color temp	90C 90CRI (Default) 95C 95CRI* * Not applicable for 18K30K color temp	3G 3rd Gen	60D 60° (Default) 45D 45° 38D 38° 24D 24° ⁽¹⁾ 12D 12° ⁽¹⁾

Driver	Housing	Accessory ⁽²⁾ (Optional)	Optional	Nailer Bar	Trim Adapter
--------	---------	-------------------------------------	----------	------------	--------------

ST3: For wattages between 14 and 23W ST3L For wattages below 14W ST3H For wattages above 23W LPH ⁽⁴⁾ Lutron Hi-Lume 1%, Fade-to-Black EcoSystem, 120-277V LPL ⁽⁴⁾ Lutron Hi-Lume 0.1% Premier, Fade-to-Black EcoSystem, 120-277V DMX DALI For wattages below 12W Note: All ST3 drivers Tri Mode and dims to 1%: 0-10V (120-277V) Triac/ELV (120V only)	AT Airtight (Default) CP Chicago Plenum	CL Clear Lens LI Linear Lens PR Prismatic Lens SA Sanded Lens SO Softening Lens MB Micro Louver Black MA Micro Louver Aluminum Note: These are all optional accessories. A Solite Lens is automatically included with each fixture.	MI Micro Inverter ⁽³⁾ CB C-Channel bars with butterfly mouting brackets for acoustical ceiling. Note: Standard nailer bars are not to be used in ACT Ceilings	HBAR Standard Nailier Bars HBAR-V2 Thicker Nailier Bars (for use in ACT ceilings)	COLR* For use with Series AS (trimmed) trims ADPT-SQ-UNV-3G For use with series BS (trimless) square trims in sheetrock ADPT-SQ-HARD-3G For use with series BS (trimless) square trims in wood(millwork)/stone ceilings ADPT-RD-UNV-3G For use with series BS (trimless) round trims in sheetrock ADPT-RD-HARD-3G For use with series BS (trimless) round trims in wood (millwork)/stone ceilings * Consult factory for use in ceiling thicker than 1"
--	--	--	---	--	---

Note: 1. 12°, 24° optics have a unique LED module not available for field changable. 12°, 24° optics are not available for Dim to Warm.

2. Not available for 1/2" sheetrock, 5/8" sheetrock can accept 1 accessory, taller ceilings can accept 2.

3. Micro inverter requires access above ceiling, otherwise it must be installed remotely.

File Name: NVTN-3-SA-3G-SPEC SHEET B06 SD DEC 24, 2024

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We reserve the right to change specifications without prior notice.

52 Railroad Ave
Valley Stream, NY 11580

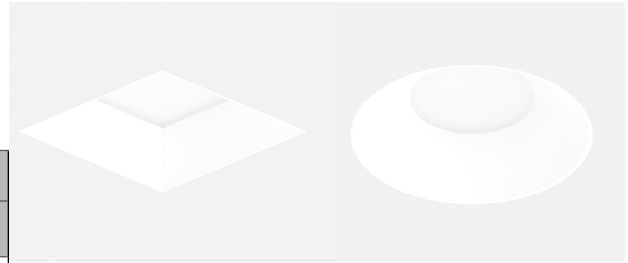
www.preciseled.com
info@preciseled.com

Page: 1/6

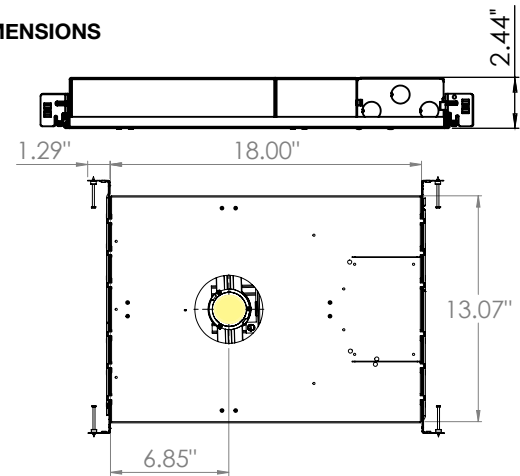
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Fixture Type: _____

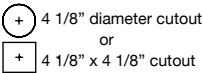
Notes: _____



■ DIMENSIONS



LED 3” Shallow Adjustable IC Downlight



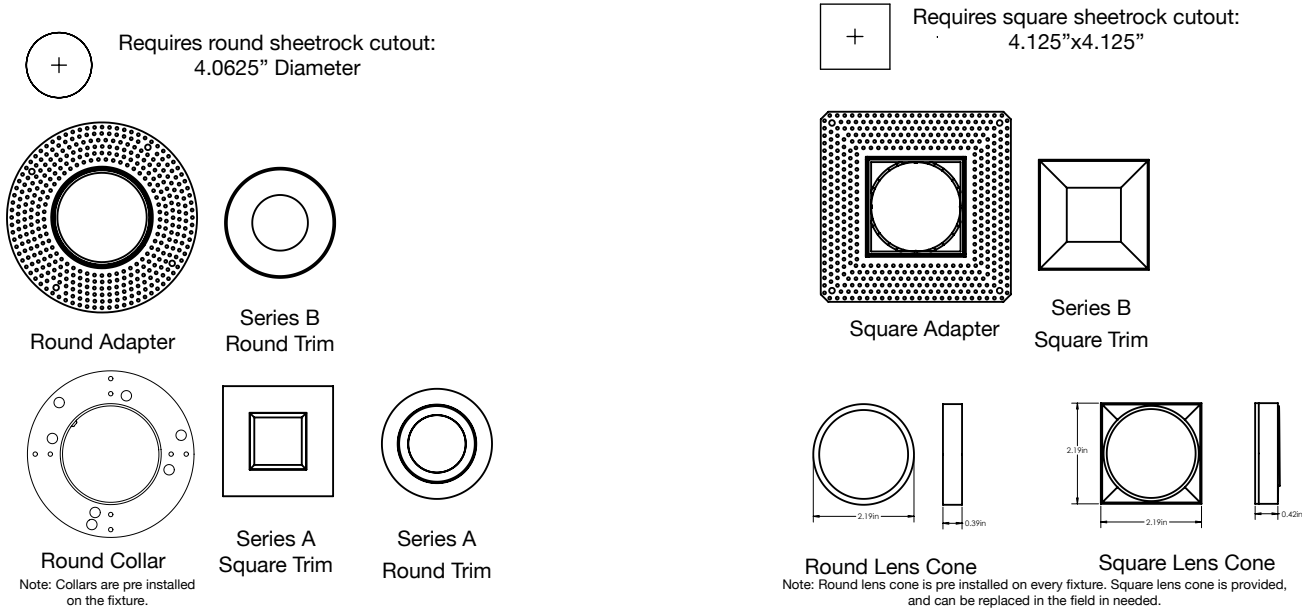
TRIM ORDERING CODE
Example: NVTN-3-TRIM-AS-SQ-WH-WH

Product	Type	Outer Finish	Inner Finish/Shower
NVTN-3-TRIM-AS	-	-	-
NVTN-3-TRIM-AS Self flanged trims	SQ Shallow Square* RD Shallow Round *Uses Square lens cone	WH White BK Black XX Custom Powder Coating (Consult factory for colors)	WH White BK Black SH Shower Trim (for wet locations)* XX Custom Powder Coating (Consult factory for colors) *When using the AS Shower trim, Solite lens is not regressed

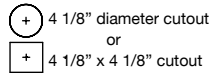
TRIM ORDERING CODE CONTINUED
Example: NVTN-3-TRIM-BS-WH

Product	Type	Inner Finish	Shower
NVTN-3-TRIM-BS	-	-	-
NVTN-3-TRIM-BS Trimless trims	SQ Shallow Square* RD Shallow Round *Uses Square lens cone	WH White BK Black XX Custom Powder Coating (Consult factory for colors)	(leave blank) For Dry/Damp Locations SH Shower Trim (for wet locations) *When using the BS Shower trim, Solite lens is still regressed

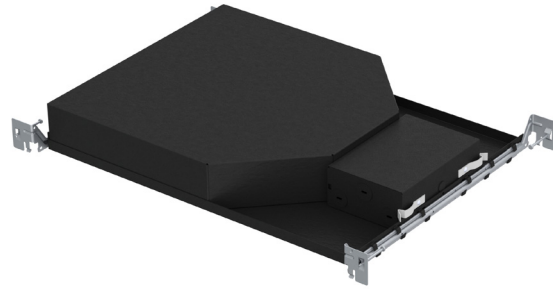
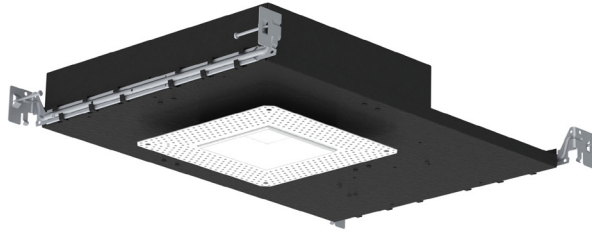
TRIM COMPATIBILITY



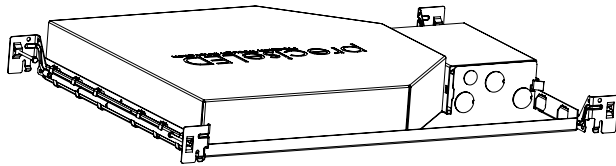
LED 3" Shallow Adjustable IC Downlight



■ ASSEMBLED VIEW

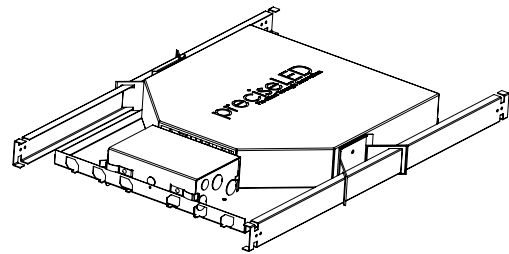


Nailer bars

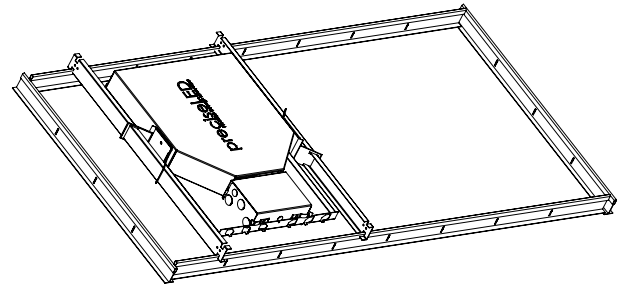


CB Bracket

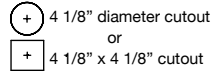
(C-Channel bars with butterfly mounting brackets for acoustical ceiling)



Note: Able to move fixture along C-Channel for position adjustments

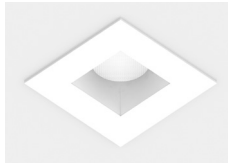


LED 3" Shallow Adjustable IC Downlight

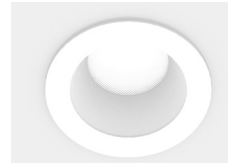
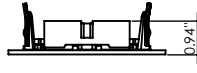
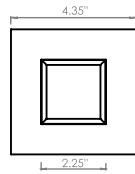


TRIM OPTIONS

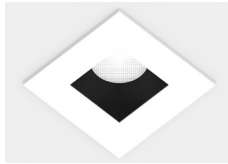
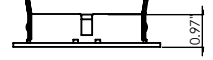
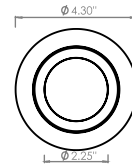
NVTN-3-TRIM-AS



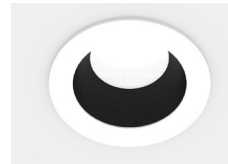
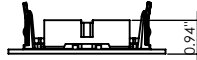
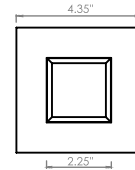
NVTN-3-TRIM-AS-SQ-WH-WH



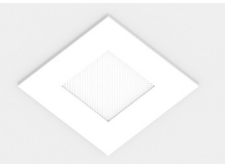
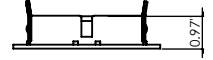
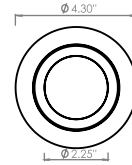
NVTN-3-TRIM-AS-RD-WH-WH



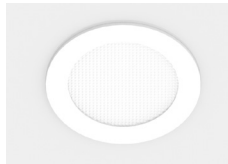
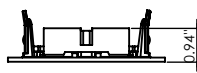
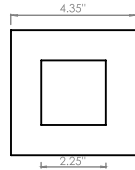
NVTN-3-TRIM-AS-SQ-WH-BK



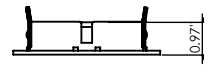
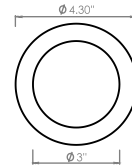
NVTN-3-TRIM-AS-RD-WH-BK



NVTN-3-TRIM-AS-SQ-WH-SH



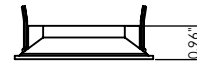
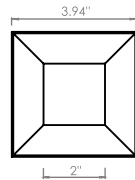
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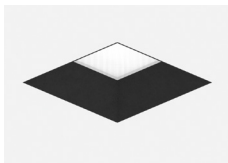
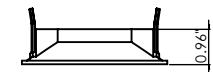
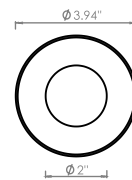
NVTN-3-TRIM-BS



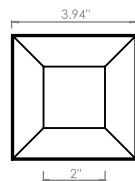
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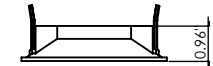
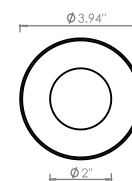
NVTN-3-TRIM-BS-RD-WH



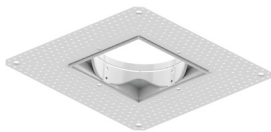
NVTN-3-TRIM-BS-SQ-BK



NVTN-3-TRIM-BS-RD-BK



TRIM ADAPTER



NVTN-ADPT-SQ-UNV-3G*

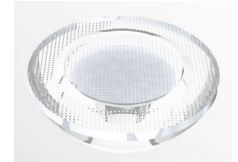


NVTN-ADPT-RD-UNV-3G*

*Note: Upper ring to be removed in field for ceilings less than 1" height



NVTN-3-COLR

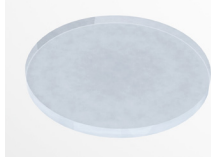


XXD Beam Spread

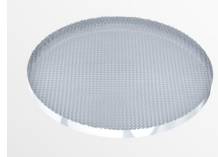
OPTICS ACCESSORY



CL Clear Lens



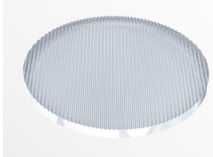
SO Softening Lens



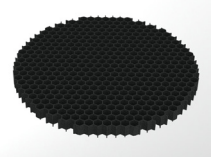
PR Prismatic Lens



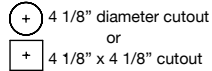
SA Sanded Lens



LI Linear Lens



MB/MA Micro-louver
(Black or Aluminum)



SPECIFICATIONS

LED SYSTEM

- LED ENGINE: CREE: 2700K, 3000K, 3500K, 4000K, LUXTECH: 18K30K dim-to-warm, field-replaceable LED module solderless replacement process
- LUMENS/WATTS: 10W, 15W, 23W, 30W. See lumen output chart on Page 1
- CRI: Minimum 90 color rendering index with an option of 95 CRI
- COLOR CONSISTENCY: 2-step binning LEDs

OPTICS

Multiple Beam Spread Options Available

ELECTRICAL

- DRIVERS:
 - Standard ST3 Series driver is Tri Mode and dims to 1%: for 0-10V (120-277V) and for Triac/ELV (120V only).
 - LUTRON DRIVER LPH : Hi-lume EcoSystem with Soft-on, Fade-to-Black LED Driver, dim down to 1% and fade smoothly between 0%-1%.
 - LUTRON DRIVER LPL : Hi-lume Premier EcoSystem with Soft-on, Fade-to-Black LED Driver, dim down to 0.1% and fade smoothly between 0%-0.1%
 - DMX/Dali driver(120-277V)
- FEED: Standard 18-gauge/5 conductor single circuit feed. Push-in quick connectors allow ease of driver replacement.
- EMERGENCY: Optional Remote Micro Inverter provides backup power for 90 minutes. Remote emergency test switch included.

MOUNTING

Residential grade nailer bars (HBAR) included with housing, fitted to short side of IC housing, extend 14" to 25" to fit different joist spacing. Thicker nailer bars and C-channel with butterfly bracket are available for acoustical ceiling installation. Accommodates to 1/2", 5/8", 3/4", 1.0" ceiling thickness in drywall, millwork and acoustical ceiling types.

CONSTRUCTION

- HOUSING: Heavy gauge cold rolled steel with through wire J-box
- HEAT SINK: Precision-cut extruded aluminum heat sink.
- HEAT PIPE: Six vacuum-sealed copper tubes transfer heat away from the LED to heat sink with 29 aluminum cooling fins
 - ADJUSTMENT: Field adjustable, tool-less with full 359 degree rotation, tilt up to 30 degrees.
 - TRIM: Die-cast aluminum with Solite glass
 - LENS COVER: Use round lens cover for both round/square trims
 - TRIM ADAPTER: Die-cast aluminum, spackle flanges are use in sheetrock/mud-in ceiling applications. Trim collar are available for flanged trim.

FINISH

- HOUSING: Standard powder-coated matte black.
- TRIM: White, Black, Consult factory for custom powder coating finish.

LISTING/WARRANTY

- APPROVALS: UL/C-UL listed, Suitable for dry/damp/wet location. Airtight rated, meets ASTM E283 standards. Chicago Plenum housing available. IC Rated.
- WARRANTY: 5 Year Limited Warranty, Ambient temperatures at fixture location should not exceed 40° C during normal operation.
- LED LIFE > 61,000 hours at 70% lumen maintenance (L70)
- WEIGHT: 12.6lbs
- Patent No. 10174891
- Can be used to comply with Title 24/JA8 requirements (using ST3 driver and white trim with no accessories. For full list of compatible models please contact factory)



LED 3” Shallow Adjustable IC Downlight

- +

4 1/8” diameter cutout
- or
- +

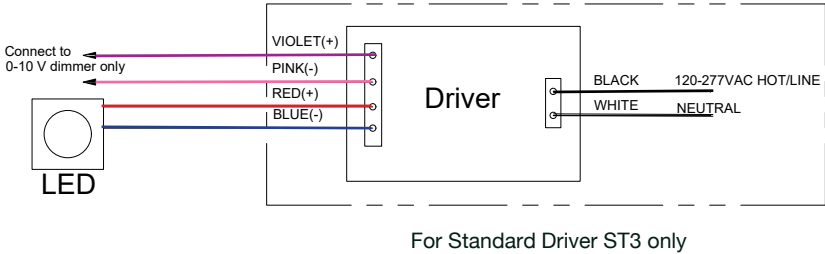
4 1/8” x 4 1/8” cutout

DIMMER COMPATIBILITY CHART

Standard Driver ST3					
Dimmer Manufacturer	Product	Part Number	Dimming Range	Qty Fixture Per Control	Dimming Type
120V/277V					
Lutron	Diva	DVTV*/DVSTV/ DVSCSTV	1%-100%	1-14	0-10 V
Lutron	Nova	NFTV*	1%-100%	1-14	0-10 V
120V Only					
Lutron	Skylark	CT-103P(MLV)	1%-100%	1-26	ELV
Lutron	Skylark	SELV-303P/SELV-300P	1%-100%	1-13	ELV

* NVTV/NFTV “DIMMING ONLY” or “USE WITH PowerPack for Dimming+on/off”

WIRING DIAGRAM



Note: Cap off violet and pink wires individually if 0-10 V dimming is not desired.