

LED 3" New Construction Downlight



Cutout: 3 7/8" dia.

Project Name:

Fixture Type:

DESCRIPTION

3" LED dedicated new construction downlight creates a great solution for new installs. Stay within budget without compromising on quality with NVTN-NC downlight. With a leading performance in dimming and CRI.

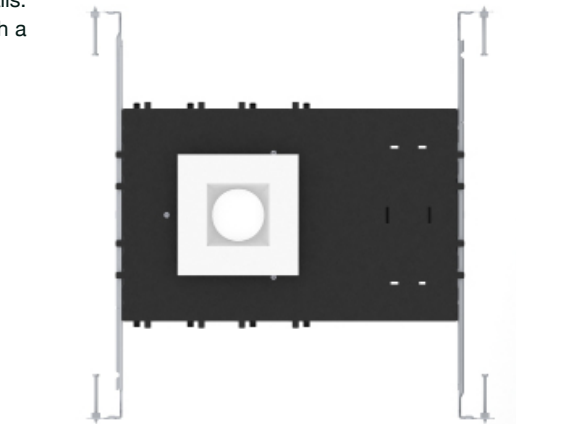
23 W Output performance

Color Temperature	2700K		3000K		3500K		4000K	
Color Rendering Index	90+ CRI	95+ CRI	90+ CRI	95+ CRI	90+ CRI	95+ CRI	90+ CRI	95+ CRI*
Source Lumens (lm)	2913	2622	3004	2644	3050	2744	3171	2853
Delivered Lumens (lm) (60° Beam Spread)	2040	1835	2103	1850	2135	1921	2220	1997
Delivered Lumens (lm) (50° Beam Spread)	2115	1910	2178	1925	2210	1996	2295	2072
Delivered Lumens (lm) (36° Beam Spread)	2185	1967	2253	1983	2288	2058	2378	2140
Delivered Lumens (lm) (24° Beam Spread)	2330	2098	2403	2115	2440	2195	2537	2282
Delivered Lumens (lm) (15° Beam Spread)	2301	2071	2373	2089	2410	2168	2505	2254

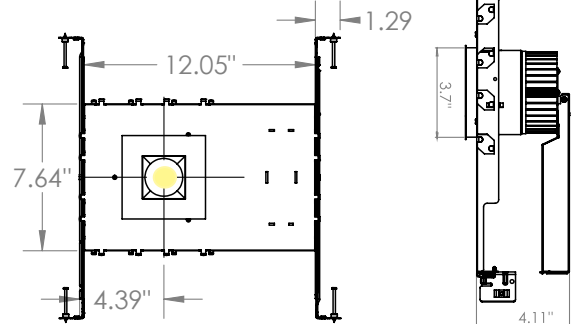
*Estimated

For the 20, 10W and 14W and option please use the multiplier chart to calculate the output performance

Wattage	23W	20W	14W	10W
Multiplier	1	0.87	0.61	0.43



DIMENSIONS



ORDERING CODE

Example: **NVTN-3-NC-23W-30K-ST-90C-3G-60D-ST3-CL-MI**

Product	Watts	Color Temp	Chip Type	CRI	Version	Beam Spread Lens	Driver	Accessory (Optional)	Optional
NVTN-3-NC					3G				
NVTN-3-NC 3-7/8" New Construction Housing, Non-IC	10W 10 Watts 14W 14 Watts 20W 20 Watts 23W 23 Watts Custom Wattage (Max 23W) ¹	27K 2700K 30K 3000K 35K 3500K 40K 4000K 18K30K ⁽¹⁾ Dim to Warm (23W-1430 Lm)	ST Standard (Default) NB Narrow Beam (when using 15D 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) 50D 50° 36D 36° 24D 24° ⁽¹⁾ 15D 15° ⁽¹⁾	ST3: For wattages between 14 and 23W ST3L For wattages below 14W LES Lutron Hi-Lume 1% Ecosystem Soft on Fade to Black, 120-277V ⁽²⁾ Note: All ST3 drivers offer Tri Mode dimming and dim to 1%: 0-10V (120-277V) Triac/ELV (120V only)	CL Clear Lens LI Linear Lens PR Prismatic Lens SA Sanded Lens SO Softening Lens MB Micro Louver Black MA Micro Louver Aluminum	EM Emergency Pack MI Micro Inverter ⁽³⁾ CB C-Channel bars with butterfly mounting brackets for acoustical ceiling. *Nailer bars included.

Note: 1. 15°, 24° optics have a unique LED module not available for field changable. 15°, 24° optics are not available for Dim to Warm.
2. Lutron drivers available in 10W, 14W, and custom wattage available up to 23W.
3. Micro inverter requires access above ceiling, otherwise it must be installed remotely.

TRIM ORDERING CODE

Example: **NVTN-3-TRIM-A-SQ-WH-WH-3G**

Product	Type	Outer Finish	Inner Finish/Shower	Mudplate(Optional)
NVTN-3-TRIM-A Self flanged trims	SQ Square RD Round	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)	NVMP-SQ-3G Use for type Square in drywall ceiling NVMP-RD-3G Use for type Round in drywall ceiling

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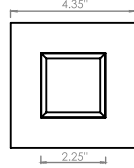
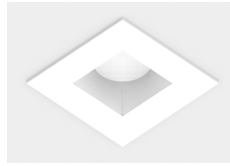
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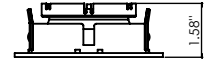
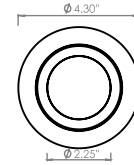
Fixture Type:

■ TRIM OPTIONS

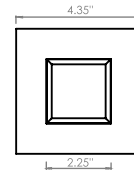
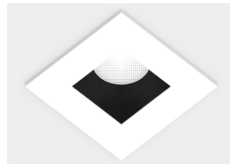
NVTN-3-TRIM-A



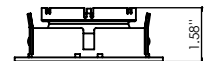
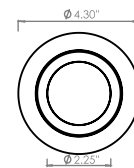
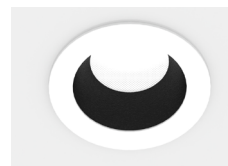
NVTN-3-TRIM-A-SQ-WH-WH



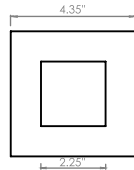
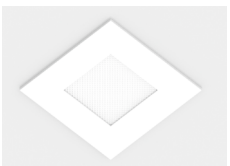
NVTN-3-TRIM-A-RD-WH-WH



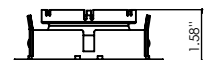
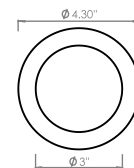
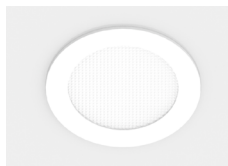
NVTN-3-TRIM-A-SQ-WH-BK



NVTN-3-TRIM-A-RD-WH-BK

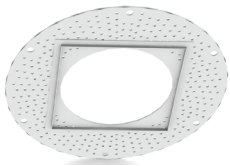


NVTN-3-TRIM-A-SQ-WH-SH



NVTN-3-TRIM-A-RD-WH-SH

■ MUDPLATE FOR FLUSH MOUNTING TRIM (OPTIONAL)

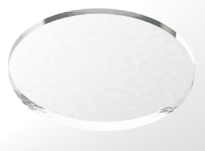


NVMP-SQ-3G

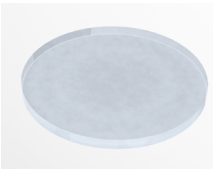


NVMP-RD-3G

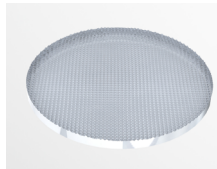
■ OPTICS ACCESSORY



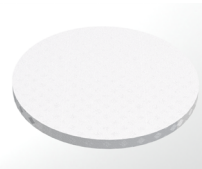
CL Clear Lens



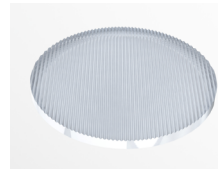
SO Softening Lens



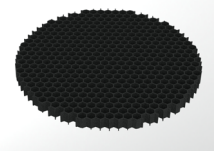
PR Prismatic Lens



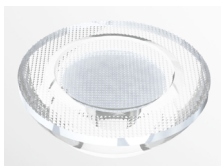
SA Sanded Lens



LI Linear Lens



MB/MA Micro-louver
(Black or Aluminum)



XXD Beam Spread Lens

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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, 14W, 23W, up to 3171lm at 23W
- CRI: Minimum 90 color rendering index with an option of 95 CRI
- COLOR CONSISTENCY: 2-step binning LEDs

OPTICS

Multiple beam spread options are provided with fixture.

ELECTRICAL

- DRIVER: Standard ST3 Series driver is Tri Mode and dims to 1%: for 0-10V (120-277V) and for Triac/ELV (120V only)

LES driver is a driver from Lutron that has Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black. It provides continuous and flicker free dimming from 100%-1% and fades smoothly between 0%-1%.

- 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

Hanger bars included with housing, extend 14" to 25" to fit different joist spacing.

Accommodates to 1/2", 5/8", 3/4", 1.0" ceiling thickness in drywall and acoustical ceiling types.

CONSTRUCTION

- HOUSING: Heavy gauge cold rolled steel with through wire J-box
- HEAT SINK: Precision-cut extruded aluminum heat sink.
- TRIM: Die-cast aluminum with Solite glass
- TRIM ADAPTER: Die-cast aluminum

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 location.
- 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: 6.8lbs



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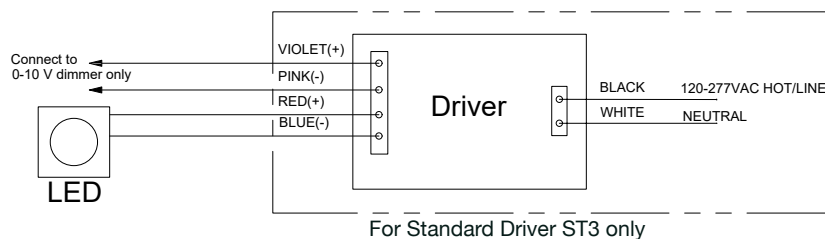


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Project Name:

Fixture Type:

■ WIRING DIAGRAM



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

■ 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"