

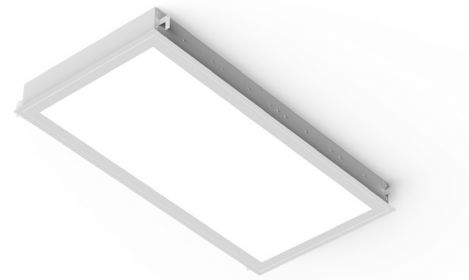
# NEW STAR VR TROFFER SERIES



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

## PRODUCT FEATURES

- Intended for Commercial Settings, Schools/Universities, Office Spaces, Warehouses, and more
- Grid Installation standard with optional Flange Installation. Flange Conversion Kit under option
- Available in 1x2, 1x4, 2x2 and 2x4 sizes
- This product is Made in America and complies with the Buy American Act (BAA), and the Build America, Buy America Act (BABAA)
- The VR Troffer Series is covered by the New Star Promise



NST Series



## ORDERING INFORMATION

Example: NST24-LT-HC20/IC20-L435-IC-PA12-90C-UN

NST		/			
Series	Size	Style	Housing	Frame	Lumen Output* Color Temp.
	12 = 1x2	LT = Latched for easy entry	HC20 = 20Ga. CRS Painted	IC20 = 20Ga. CRS Painted	L2 = Low 35 = 3500K
	14 = 1x4	VR = Tamper Proof Screws*	HA16 = 16Ga. Alum. Painted	IA16 = 16Ga. Alum. Painted	L4 = Standard 40 = 4000K
	22 = 2x2				L6 = Medium** 50 = 5000K
	24 = 24				L8 = High**
	*Nominal Size. Dimensional Data on Page 2.	*Must specify for VR applications.			*Subject to change. Performance Data on Page 3. **N/A for 1x2 or 1x4.

Circuits	Lens	CRI	Voltage	Driver	Options
1C = 1 Circuit	PA12 = .125 Prismatic Acrylic	80C = 80 CRI	12 = 120V	DM = 0-10V dimming with 10-100% range*	AM = Antimicrobial Finish
2C = 2 Circuits*	PP12 = .125 Prismatic Poly.	90C = 90 CRI	27 = 277V	DMI = 0-10V dimming with 1-100% range	FZ1 = Fuse (120V)
	PP15 = .156 Prismatic Poly.		34 = 347V*		FZ2 = Fuse (277V)
	PP18 = .187 Prismatic Poly.*		UN = Universal (120V-277V)		FK = Flange Conversion Kit
	PP25 = .125 Prismatic Poly.			*Must select if dimming is needed with 347V.	EL1 = Remote Emerg. Batt. Low (10W)*
	Inner Lens with .125 Clear Poly.				EL2 = Remote Emerg. Batt. High (20W)*
	Outer Lens*				
	WP12 = .125 White Frosted Poly.				
	WA25 = .125 White Frosted Acrylic Inner Lens with .125 Clear Poly. Outer Lens*				
	*Not available with LT style option.				

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## SPECIFICATIONS

**CONSTRUCTION:** 20-Gauge formed cold rolled steel housing with pop-riveted endcaps.

**LENS:** Prismatic polycarbonate, prismatic acrylic, or white frosted UV-stabilized polycarbonate options.

**LED:** Available in three color temperatures 3500K, 4000K, and 5000K with maximum 3-step MacAdam variation allowance. Other color temperatures available, consult factory. Minimum 50,000 hours with 70% lumen maintenance in a 25°C temperature ambient environment, compliant with IES LM-80 testing standards.

**ELECTRICAL:** 120-277VAC 50/60Hz, constant current driver (<20% THD, >0.9 PF). 0-10V dimming available with 1-100% range and 10-100% range.

**FASTENERS:** Frame hinged to housing via two fasteners and secured with latches for the NST-LT. Frame fastened to housing via tamper proof Torx Head screws with captive cage nuts for the NST-VR.

**FINISH:** White polyester powder coat finish following multistage iron phosphate pretreatment.

**GASKET:** Closed cell gasket to reduce light leaks.

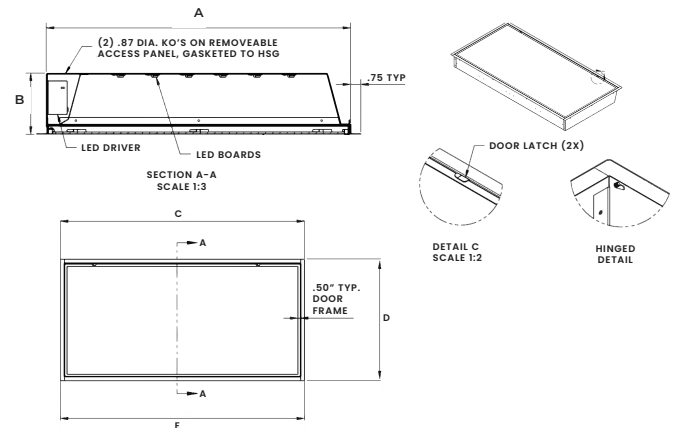
**INSTALLATION:** Recessed Grid or Flange

**WARRANTY:** New Star Promise.

**LABEL:** Fixture is certified to UL standards by Intertek Testing Laboratory for Wet Locations (under covered ceilings).

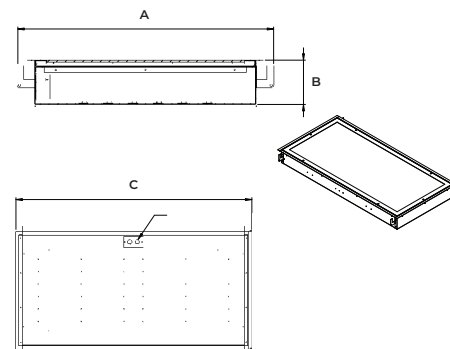
## DIMENSIONAL DATA

### NST-LT



	A	B	C	D	E
NST12-LT	10.23"	4.48"	23.69"	11.75"	22.26"
NST14-LT	10.29"	4.48"	47.68"	11.75"	46.26"
NST22-LT	22.29"	4.48"	23.68"	23.75"	22.25"
NST24-LT	22.29"	4.48"	47.68"	23.75"	46.25"

### NST-VR



	A	B	C
NST12-VR	13.84"	4.48"	23.69"
NST14-VR	13.84"	4.48"	47.68"
NST22-VR	25.84"	4.48"	23.68"
NST24-VR	25.84"	4.48"	47.68"



The VR Troffer Series is covered by our New Star Promise.

Our promise means we will repair or replace any of our High Abuse or Vandal-Resistant architectural luminaires when installed according to our instructions for the life of the original installation if the fixture should fail due to physical abuse\*.

\*Damage caused by gunfire and chemical reactions is not covered by the New Star Promise.



**New Star Lighting**  
2225 W Pershing Rd, Chicago, IL 60609  
(773) 847-1400  
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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# NEW STAR VR TROFFER SERIES



## PERFORMANCE DATA

\*LEDs are frequently updated therefore values may change without notice.

MODEL	OUTPUT	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
NST12	Low	3500K	2875	115	25
		4000K	3000	120	25
		5000K	3125	125	25
	Standard	3500K	5500	110	50
		4000K	5750	115	50
		5000K	6000	120	50
NST14	Low	3500K	5750	115	50
		4000K	6000	120	50
		5000K	6250	125	50
	Standard	3500K	8250	110	100
		4000K	8625	115	100
		5000K	9000	120	100
NST22	Low	3500K	3000	120	25
		4000K	3125	125	25
		5000K	3250	130	25
	Standard	3500K	6000	120	50
		4000K	6250	125	50
		5000K	6500	130	50
	Medium	3500K	8625	115	75
		4000K	9000	120	75
		5000K	9375	125	75
	High	3500K	11500	125	100
		4000K	12000	120	100
		5000K	12500	125	100



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## PERFORMANCE DATA CONT.

\*LEDs are frequently updated therefore values may change without notice.

MODEL	OUTPUT	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
NST24	Low	3500K	6000	120	50
		4000K	6250	125	50
		5000K	6500	130	50
	Standard	3500K	12000	120	100
		4000K	12500	125	100
		5000K	13000	130	100
	Medium	3500K	17250	115	150
		4000K	18000	120	150
		5000K	18750	125	150
	High	3500K	23000	115	200
		4000K	24000	120	200
		5000K	25000	125	200



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