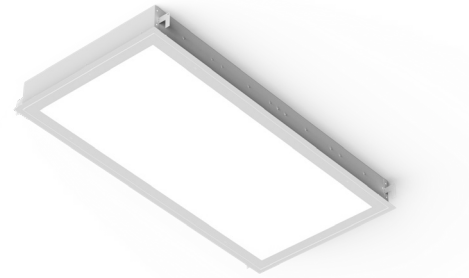


NEW STAR VR TROFFER SERIES



PROJECT: _____
 TYPE: _____
 PRODUCT: _____
 APPROVED BY: _____



NST Series

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



ORDERING INFORMATION

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

NST					
Series	Size	Style	Housing	Frame	Lumen Output*
	12 = 1x2 14 = 1x4 22 = 2x2 24 = 24	LT = Latched for easy entry VR = Tamper Proof Screws*	HC20 = 20Ga. CRS Painted HA16 = 16Ga. Alum. Painted	IC20 = 20Ga. CRS Painted IA16 = 16Ga. Alum. Painted	L2 = Low L4 = Standard L6 = Medium** 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.
Color Temp.	Circuits	Lens	Voltage	Driver	Options
35 = 3500K 40 = 4000K 50 = 5000K	1C = 1 Circuit 2C = 2 Circuits*	PA12 = .125 Prismatic Acrylic PP12 = .125 Prismatic Poly. PP15 = .156 Prismatic Poly. PP18 = .187 Prismatic Poly.* PP25 = .125 Prismatic Poly. Inner Lens with .125 Clear Poly. Outer Lens* WP12 = .125 White Frosted Poly. WA25 = .125 White Frosted Acrylic Inner Lens with .125 Clear Poly. Outer Lens*	12 = 120V 27 = 277V 34 = 347V* UN = Universal (120V-277V) *N/A with DM1. If dimming is needed, must select DM.	DM = 0-10V dimming with 10-100% range* DM1 = 0-10V dimming with 1-100% range *Must select if dimming is needed with 347V.	AM = Antimicrobial Finish FZ1 = Fuse (120V) FZ2 = Fuse (277V) FK = Flange Conversion Kit EL1 = Remote Emerg. Batt. Low (10W)* EL2 = Remote Emerg. Batt. High (20W)* *If stored, batteries should be fully recharged every six months and kept between 0°C-25°C to maintain optimal battery capacity. Provided with test switch on a wall plate unless otherwise specified.
	*Cannot be used with L2 Output.	*Not available with LT style option.			

NEW STAR VR TROFFER SERIES



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.

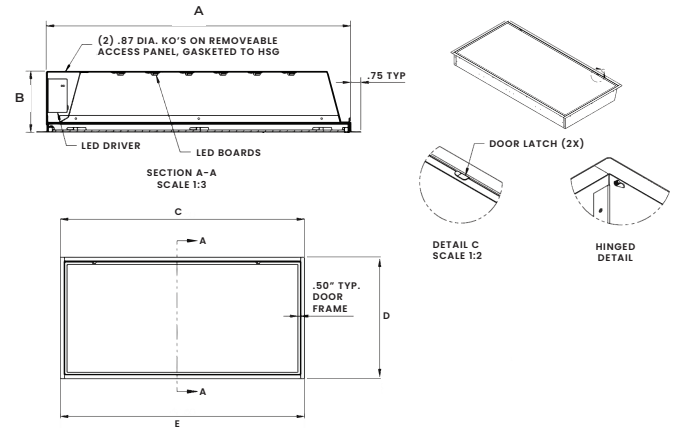
INSTALLATION: Recessed Grid or Flange

WARRANTY: New Star Promise.

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

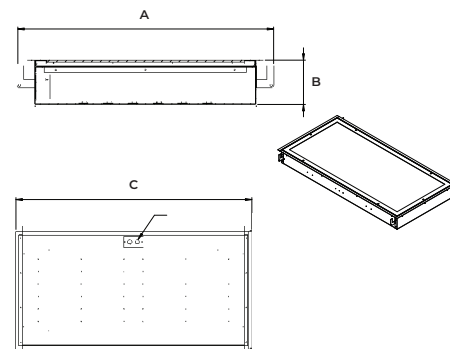
DIMENSIONAL DATA

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



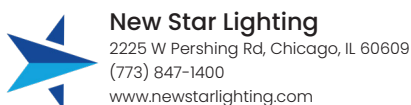
	A	B	C
NST12-VR	13.84"	4.48"	23.69"
NST14-VR	13.84"	4.48"	47.68"
NST22-VR	25.84"	4.48"	23.68"
NST24-VR	25.84"	4.48"	47.68"



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.



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

© 2025, New Star Lighting. All rights reserved. Unauthorized duplication or distribution is prohibited.

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



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.

© 2025, New Star Lighting. All rights reserved. Unauthorized duplication or distribution is prohibited.

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



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.

© 2025, New Star Lighting. All rights reserved. Unauthorized duplication or distribution is prohibited.