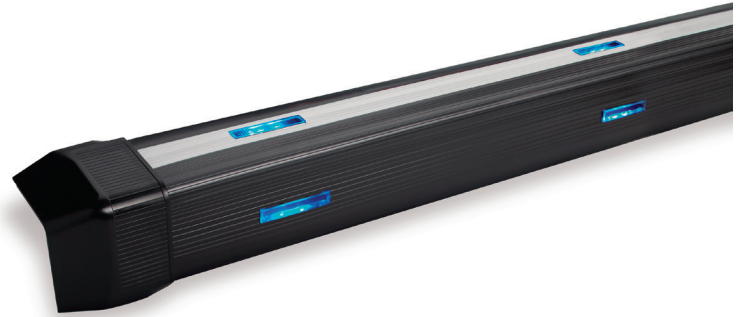


Guardian Series 2300

TREAD & TREAD/RISER STEP NOSE LIGHTING



APPLICATION

Tempo's Guardian Step Nose LED Tread & Riser Lighting is made for tread edge delineation and step landing illumination. The flexible extrusion is designed to create a nose cap that molds to uneven surfaces to ensure a long lasting and structurally sound nose edge. The profile is designed to allow the edge of most commercial grade, low pile carpet (1/4" - 3/8") to be easily tucked under the vinyl extrusion on both tread and riser. With one or two rows of our unique two-inch LED modules that can be customized to meet the design criteria of any venue with end cap arrangements, LED spacing and LED colors. Non-Lit option also available (see 2300 Non-Lit Step Nose spec).

CONSTRUCTION

- Made from a durable, flexible extruded vinyl
- Factory assembled to ensure consistent LED module orientation spacing
- Available in solid Black, Black with 1 inch contrasting gray stripes or solid Gray.
- Matching End caps with or without end feed profile to match Tempo wire raceway.
- Optional carpet shim allows for carpet thinner than 5/16" thick to be used

OPTICS / LENS / DIFFUSER

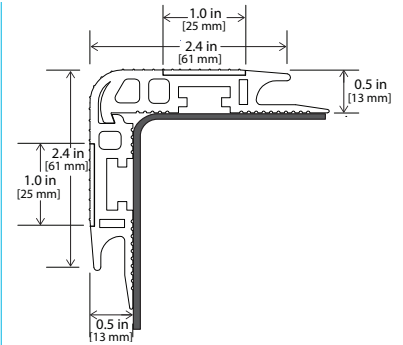
- LED module spacing options available in 6 inch, 9 inch and 12 inch on center
- Black deflector option shields step riser LEDs Recommended when reflective surfaces are present, such as movie screens.
- Clear and Tinted diffuser options spread the light evenly across the LED module lens

PERFORMANCE

- Design incorporates a "living hinge" to allow the step nose to be installed securely on steps with riser angles of 75 to 90 degree
- Parallel wiring utilizing Class 2 power supply. Tread and riser LEDs can operate independently if desired
- Only 0.25 watts energy consumption per LED module
- Operates on Tempo 12VAC power transformers with 120V or 277V input.
- Operating temperature range of -20°C to 50°C

LIGHT CHARACTERISTICS

- One or two rows of unique two-inch LED modules for tread edge delineation
- Assorted LED colors available in static Red, Green, Blue, Amber, Yellow & 6000K White

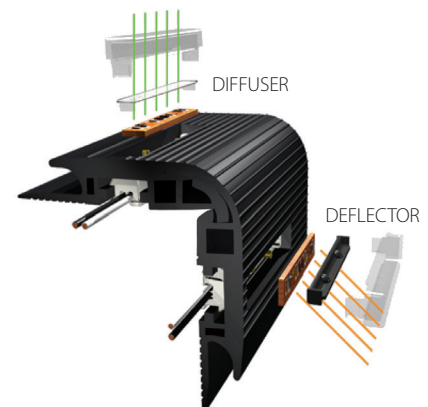


Buy Tempo
Buy American

MADE IN USA
OF US AND IMPORTED COMPONENTS

WARRANTY

Tempo provides a 2-year limited warranty.





SOLID BLACK - 1 CIRCUIT - TREAD LEDS

SOLID BLACK - 1 CIRCUIT - RISER LEDS

SOLID BLACK - 1 OR 2 CIRCUIT - TREAD & RISER LEDS



GRAY STRIPE - 1 CIRCUIT - TREAD LEDS

GRAY STRIPE - 1 CIRCUIT - RISER LEDS

GRAY STRIPE - 1 OR 2 CIRCUIT - TREAD & RISER LEDS



DUAL STRIPE - 1 CIRCUIT - TREAD LEDS

DUAL STRIPE - 1 CIRCUIT - RISER LEDS

DUAL STRIPE - 1 OR 2 CIRCUIT - TREAD & RISER LEDS

ORDERING INFORMATION

Example: 2312BK1-WC/YB08

Guardian Lit Step Nose, 12" o.c., Black vinyl, 1-circuit, Tread LED White + clear diffuser, Riser LED Yellow + black deflector, 8 modules

23								
PLATFORM								
Series	Module Spacing	Vinyl Color	Number of Circuits	Tread LED Color	Tread Light Effect	Riser LED Color	Riser Light Effect	Module Count
23 2300 Series	06 6" o.c. 09 9" o.c. 12 12" o.c.	BK Solid Black GY Solid Gray GS Black / Gray Stripe DS Black / Dual Stripe	1 Single 2* Dual	R Red G Green B Blue A Amber Y Yellow W White (50K) X No Light	C Clear Diffuser T Tinted Diffuser X No Light	R Red G Green B Blue A Amber Y Yellow W White X No Light	B Black Deflector W White Deflector C Clear Diffuser T Tinted Diffuser X No Light	

*When lighting Tread and Riser, you have option to power each separately with Tempo's innovative Dual Circuit redundant wiring. This allows for the Tread and Riser lights to be dimmed separately. If this dimming option not required select Single Circuit option.

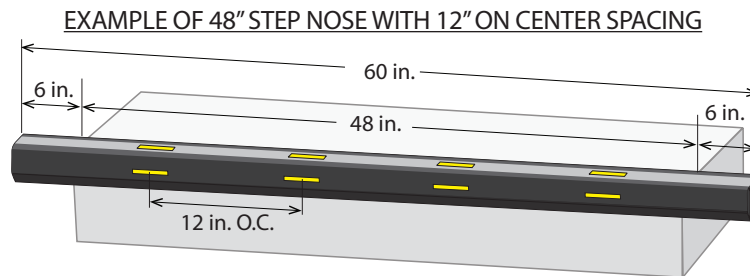
MODULE COUNT CALCULATION

Module Count refers to the total number of LED light modules on tread and/or riser sections of Guardian Step Nose.

Determine module count by taking the finished length of the step nose in inches and dividing it by the selected module spacing. If two rows of lights are to be used (Tread & Riser), multiply the total module count by two.

In example below, a 48" step nose with 12" on-center LED module spacing equals 4 modules (48 ÷ 12 = 4). Tread and riser LEDs doubles LED Module Count to 8 (4 on tread & 4 on riser.) Part Number for this 48" step nose will end in -08.

IMPORTANT NOTE: With 12" On Center spacing in example below Tempo provides additional 6" of extra material on each end to trim to exact finished length of step nose on site. See Installation Instructions for details.



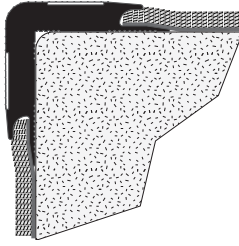
WITH TINTED DIFFUSER



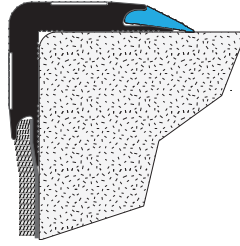
WITH CLEAR DIFFUSER

SYSTEM INTEGRATION ACCESSORIES

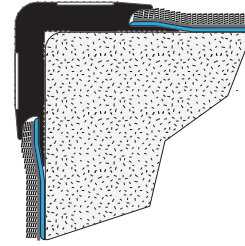
SURGE SUPPRESSION DEVICE <small>Tempo furnished surge suppression device must be installed on each supplying branch circuit to comply with warranty.</small>		
	SSD-120	120V Branch Circuit
	SSD-277	277V Branch Circuit
POWER SUPPLIES		
	PWR-T010012/2	120V AC Input, 12V AC Output, 100W, 2 Circuit, Class II Magnetic Transformer, NEMA 3R Case
	PWR-T015012/2	120V AC Input, 12V AC Output, 150W, 3 Circuit, Class II Magnetic Transformer, NEMA 3R Case
	PWR-T025012/2	120V AC Input, 12V AC Output, 250W, 4 Circuit, Class II Magnetic Transformer, NEMA 3R Case
WIRING		
	WIR-18TWIST-B/B	Low Voltage Lead Wire - Twisted Pair. Provided in 500 foot rolls.
	WIR-DTS3	Single Circuit T-Wire. Used to interconnect power feed wires from step to step. One up, one down.
	WIR-DTD3	Dual Circuit T-Wire. Used to interconnect to dual power feed wires from step to step. One up, one down.
END CAPS		
	2300BK-EC	Standard Black End Cap - universal fit for both left and right sides
	2300GY-EC	Standard Gray End Cap - universal fit for both left and right sides
	GST-EC2-R-BK	Black End Cap; Right - Provides a fitted end feed design for raceway and carpet to floor products
	GST-EC2-L-BK	Black End Cap; Left - Provides a fitted end feed design for raceway and carpet to floor products
RACEWAY		
	LPS-BK-RW-CF-B	LPS Raceway Base, Black, Carpet to Floor, shipped in increments of 8ft
	LPS-BK-RW-CC-B	LPS Raceway Base, Black, Carpet to Carpet, shipped in increments of 8ft
	LPS-BK-RW-CV-B	LPS Raceway Base, Black, Carpet to VCT/LVT floor covering, shipped in increments of 8ft
	LPS-GY-RW-C	LPS Raceway Cover, Gray, 8ft
	LPS-BK-RW-C	LPS Raceway Cover, Black, 8ft
	LPS-BK-RW-RSR	LPS Raceway for Riser face, 8 inch length (field cut for left or right side of Riser)
RACEWAY J-BOX		
	LPS-BK-JBX	LPS Junction Box, Black
	LPS-BK-RW-JBX	LPS Inline Raceway Junction Box, Black
ADHESIVE - Must be purchased from Tempo. 1 tube per 10 ft. of step nose or 50 ft. of raceway.		
Adhesive provided is a special formulation designed and tested to ensure Tempo Step and Aisle product is safe and secure.		
	ADH-BOND-S	Tempo Set & Step Adhesive, 20 Ounce Sausage Pack
	ADH-SPREADER	Adhesive Spreader
MISC		
	GST-HARPOON	Metal fittings to directly secure step nose sections to another for steps longer than 10 feet. Bag of 24.
	LPS-BK-SR	Step Reducer. Use to fill carpet slot of step nose and provide smooth transition to non-carpeted floor. 120ft roll.
	SHIM-THINCARPET	Carpet Shim. Use to increase thickness of carpet that is too shallow for carpet slot of step nose. 120ft roll.
	WIR-FLEX(1/3/5)	Black PVC coated 3/16" Flexible Conduit in 1 foot, 3 foot or 5 foot lengths
	LMP-TOOLKIT	LED Extraction Tool. Use for removal of LED module in field for step length modification or repair.



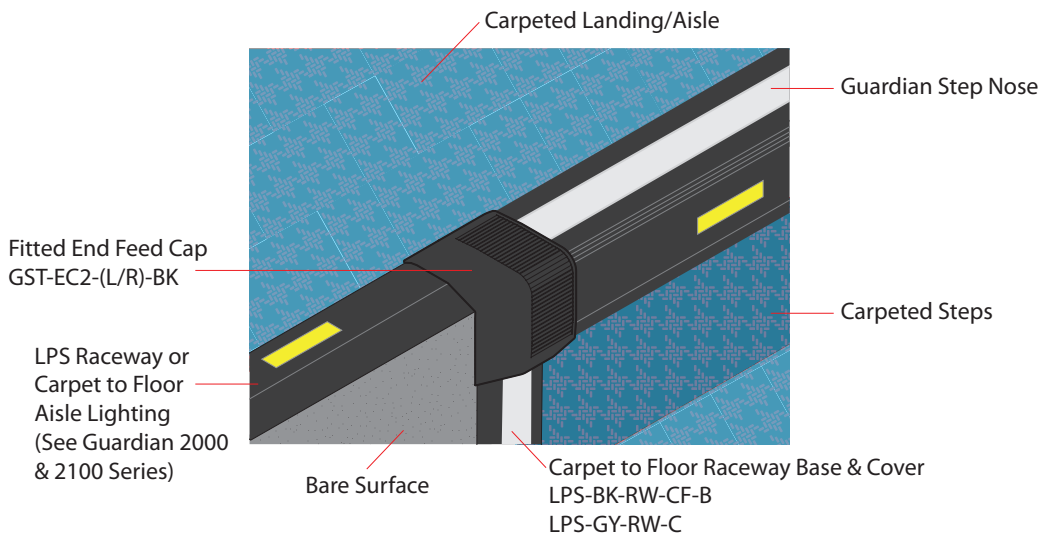
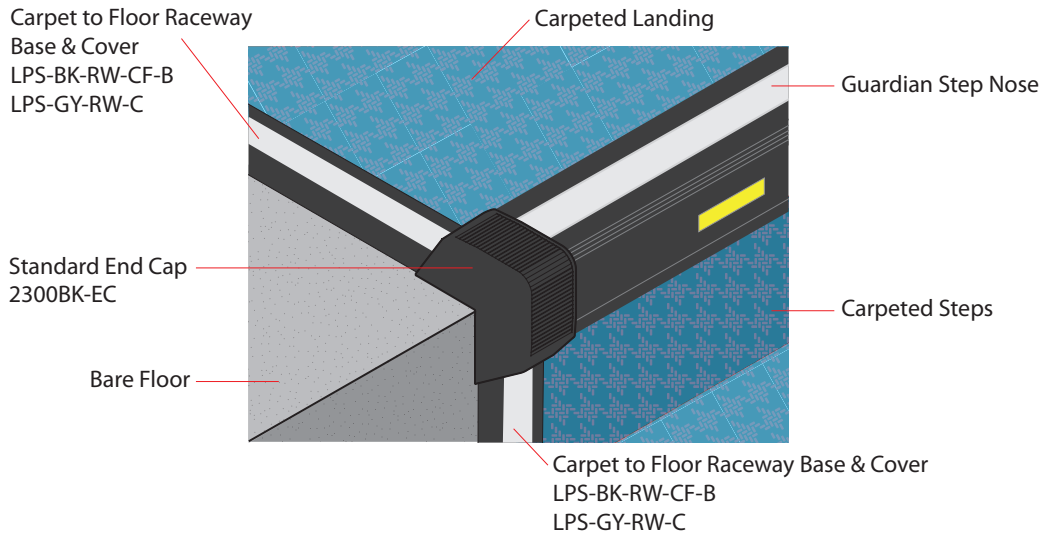
1/4" to 3/8" Carpet tucks into Guardian Step Nose on both Tread and Riser



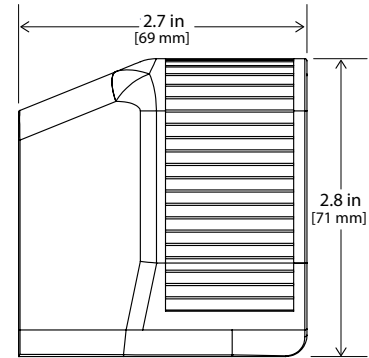
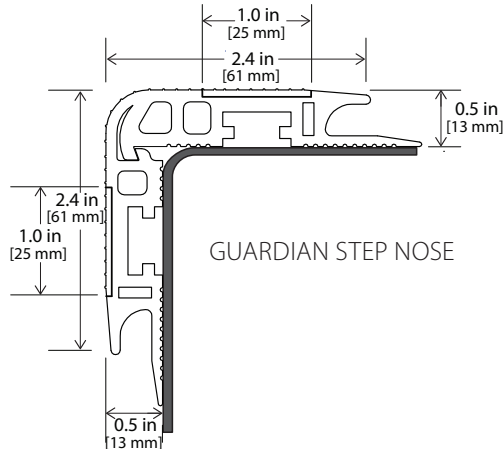
Step Reducer (LPS-BK-SR) used for transitions to bare floor



Carpet Shim (SHIM-THINCARPET) allows use of carpet too thin for slots of Guardian Step Nose



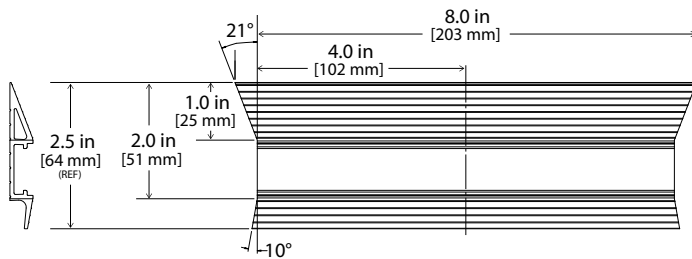
DIMENSIONAL INFORMATION



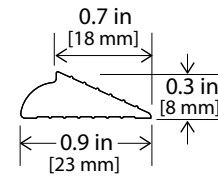
END CAPS

RACEWAY RISER (LPS-BK-RW-RSR)

Square cut one end for left or right

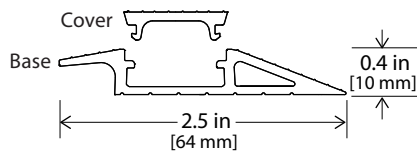


STEP REDUCER (LPS-BK-SR)



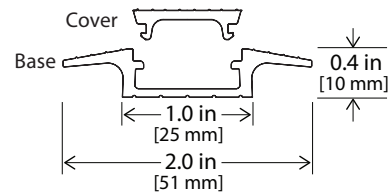
RACEWAY CARPET TO FLOOR BASE (LPS-BK-RW-CF-B)

RACEWAY COVER (LPS-[GY/BK]-RW-C)



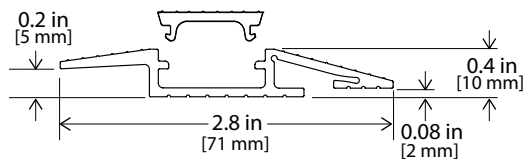
RACEWAY CARPET TO CARPET BASE (LPS-BK-RW-CC-B)

RACEWAY COVER (LPS-[GY/BK]-RW-C)

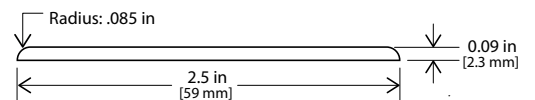


RACEWAY CARPET TO VCT/LVT BASE (LPS-BK-RW-CV-B)

RACEWAY COVER (LPS-[GY/BK]-RW-C)

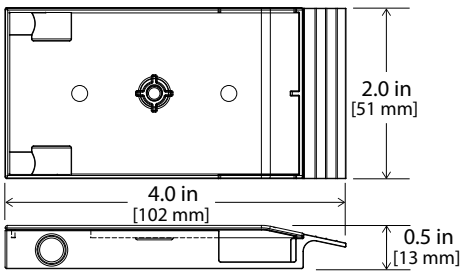


CARPET SHIM (SHIM-THINCARPET)

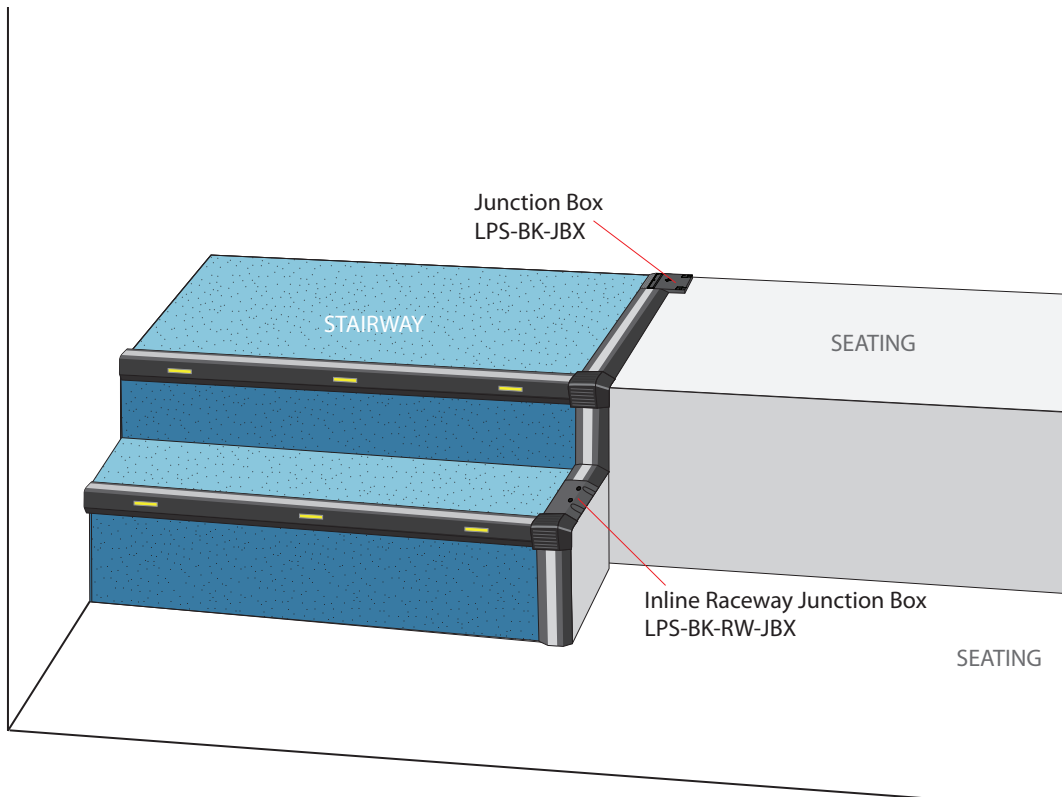
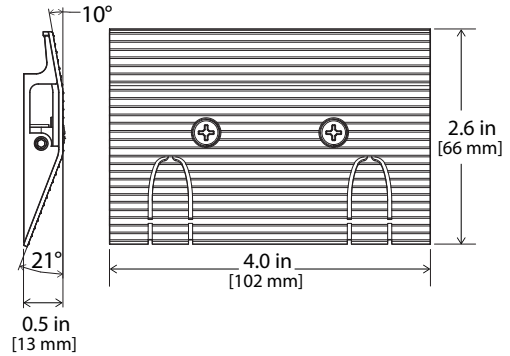


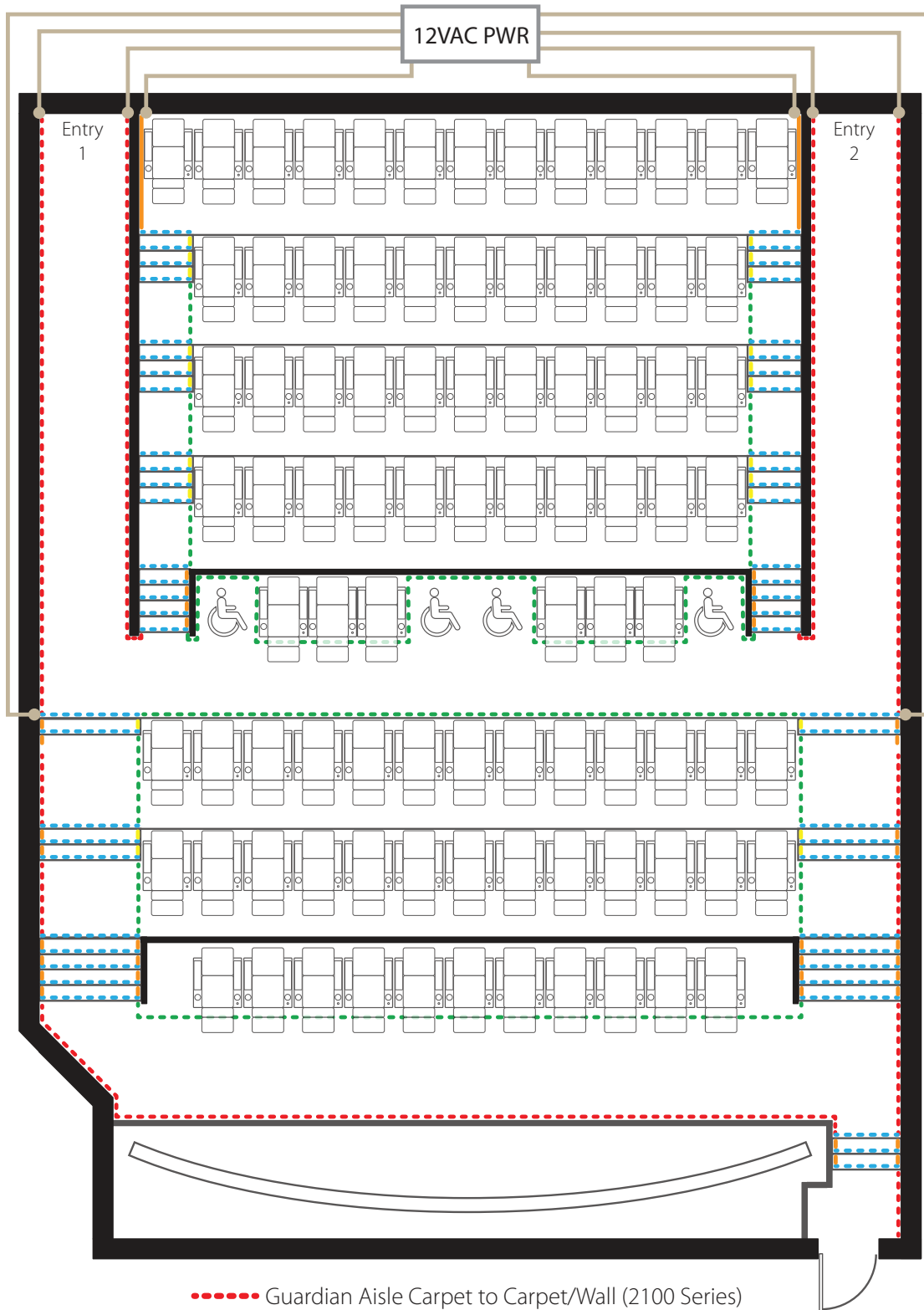
DIMENSIONAL INFORMATION

JUNCTION BOX (LPS-BK-JBX)



INLINE RACEWAY JUNCTION BOX (LPS-BK-RW-JBX)





- Guardian Aisle Carpet to Carpet/Wall (2100 Series)
- Guardian Aisle Carpet to Floor (2000 Series)
- Guardian Lit Step Nose (2300 Series)
- LPS Raceway Carpet to Carpet/Wall (LPS Series)
- LPS Raceway Carpet to Floor (LPS Series)

APPLICATION

Set&Step™ is a one component, fast grab adhesive designed to secure Tempo floor safety products. The multipurpose elastomeric sealant has high green strength for quick adhesion. When fully cured, this unique VOC compliant formula offers UV stability and a steadfast bond to concrete, wood, metal, painted surfaces, and many other common substrates.

FEATURES & BENEFITS

- Alternative to mechanical fastening
- Black material color to match Tempo products
- High green strength/elastic with fast cure
- Flexible & durable, will not shrink or crack
- Can be sanded & painted
- Adhesion to Kynar®
- Odorless & non-corrosive
- VOC compliant
- Contains no solvents or Isocyanates
- Color stability and UV resistant (ASTM G26)
- Non-yellowing/staining
- Resistant to most chemicals

PRODUCT USAGE

- LPS Step Nose (24' per sausage pack)
- LPS Raceway (50' per sausage pack)
- Guardian Step Nose (16' per sausage pack)
- Guardian Aisle CC (60' per sausage pack)
- Guardian Aisle CF (50' per sausage pack)

MEETS SPECIFICATIONS

ASTM C920 Type S, Grade NS, Class 25, Use NT, A, M

P/N: ADH-BOND-S



PHYSICAL PROPERTIES		TEST METHOD
Cure System	Hybrid, Moisture Cure	
Movement Capability, %	± 25%	ASTM C-719
Modulus	Medium	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.55	
Extrusion Rate, g/min.	100	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-75° F to 225° F	
Intermittent Temperature Range	250° F	
Accelerated Weathering (10,000 hrs.)	No Change	AUV Weatherometer
Skin Over Time (min)*	20	MNA Method
Tack Over Time (min)*	35	ASTM C-679
Cure Rate*	1/8" per 24hrs.	MNA Method
Tensile Strength (psi)	287	ASTM D-412
Elongation %	250	ASTM D-412
Durometer Shore A	55	ASTM C-661
Shelf Life (months)	18	
Volatile Organic Content	> 26 gr./litre	

* All properties derived from lab conditions (77°F at 50% relative humidity). Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

Tempo products and technologies are protected under one or more US and International patents.

Tempo reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program. Please consult www.tempolc.com for the most up-to-date specifications and technical data.