



FEATURES & SPECIFICATIONS

INTENDED USE — The WRSN wraparounds are designed to produce maximum-efficiency general lighting for institutional, industrial and retail environments. The WRSN can be used wherever an economical, high-performance wraparound is beneficial. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table, for suitable uses.](#)

CONSTRUCTION — Available in 4' and 8' nominal lengths.

Housing is manufactured from code-gauge, cold-rolled steel, painted before fabrication with a gloss white baked enamel finish that utilizes a five-stage pretreatment system, providing a total reflectance of 88%. Optional white polyester powder coat finish with a total reflectance greater than 93% utilizing our seven-stage pretreatment system to provide maximum reflectance, adhesion and corrosion resistance may be specified by adding "PAF" to the catalog nomenclature. Natural galvanized steel or custom color powder coat finishes also are available.

OPTICS — Reflectors are precision-formed, high-performance, specular segmented optics utilizing Miro® 4 aluminum with 95% total reflectance, and a 25-year Alanod or precision-formed white polyester powder coat finish with a total reflectance greater than 93% utilizing our seven-stage pretreatment system.

Clear extruded prismatic 50% DR acrylic lens.

Lamps are secured with twist-lock lamp sockets, with rotating covers to provide positive lamp seating and support.

ELECTRICAL — All standard ballasts are electronic, UL 935 listed, Class-P, type-1 outdoor, CSA certified where applicable, high power factor, non-PCB, sound rated A+ and <20% THD. Optional <10% THD and various ballast factors from 0.75 to 1.20 are available.

INSTALLATION — Luminaire can be surface- or pendant-mounted.

LISTING — UL and CUL listed. Conforms to UL 1598. Suitable for damp locations.

Catalog Number	
Notes	Type

WRSN



Wraparound

N Housing

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: WRSN4 1 32 N1X12 120 BF90 GEB10IS

Series WRSN		Length 4 8		Number of lamps ¹ 1 2 3		Lamp type 32 54T5HO		Voltage 120 277 MVOLT		Ballast factor BF80 Low (0.75-0.84) BF90 Standard (0.85-0.94) BF10 Medium (0.95-1.06) BF11 Medium/high (1.07-1.15) BF12 High (1.16-1.20)		Ballast GEB10IS Electronic ballast, ≤10% THD, instant start		Finish (blank) Prepainted material PAF Powder coat after fabrication	
Distribution/Reflector										Ballast configuration					
Distribution					Reflector					(blank) Standard configuration ²					
N1 Normal (1.2<1.4 SC)					D20 White metal, 0.020"					1/3 One, three-lamp ballast					
S1 Spread (1.4<1.8 SC)					X12 Miro® 4, 0.0126"					1/4 One, four-lamp ballast					
T1 Task (##<SC)					X20 Miro® 4, 0.020"					2/1 Two, one-lamp ballasts					
										2/3 Two, three-lamp ballasts					
										1/41/2 One, four-lamp and one, two-lamp ballasts					

Standard Ballast Configurations

Number of lamps	Ballast configuration
1	One, one-lamp ballast
2	One, two-lamp ballast
3	One, two-lamp and one, one-lamp ballasts
4	Two, two-lamp ballasts
6	Two, three-lamp ballasts

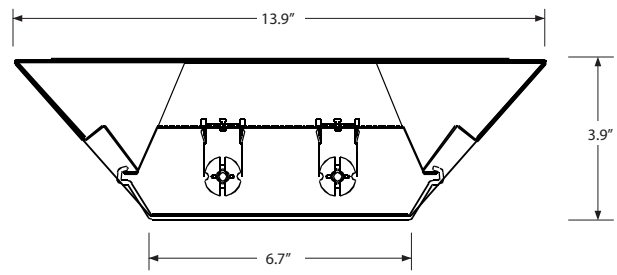
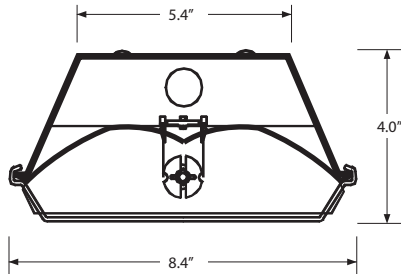
NOTES:

- Number of lamps in each 4' section.
- See Standard Ballast Configurations table.

WRSN Wraparound

DIMENSIONS

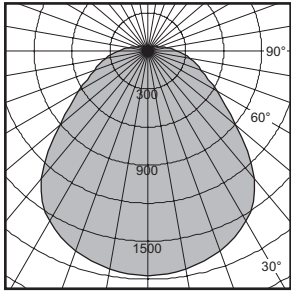
All dimensions are shown in inches.



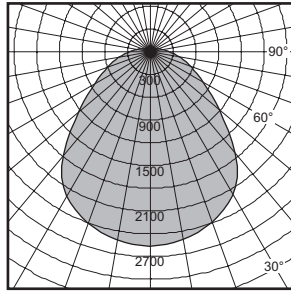
Drawings are for dimensional detail only. Subject to change without notice.

PHOTOMETRICS

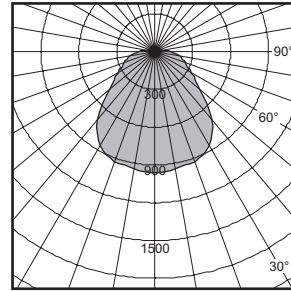
Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. All data based on 25°C. Full photometric data on these and other configurations available upon request.



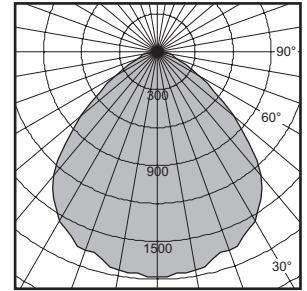
WRSN4 2 32 N1D20
Test #12476
Fixture Efficiency: 80.3%
SC Across: 1.3, SC Along: 1.2



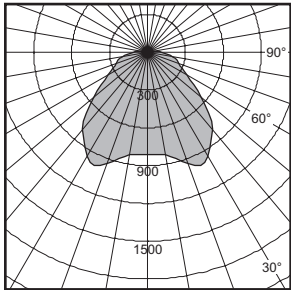
WRSN4 3 32 N1D20
Test #12477
Fixture Efficiency: 72.5%
SC Across: 1.3, SC Along: 1.2



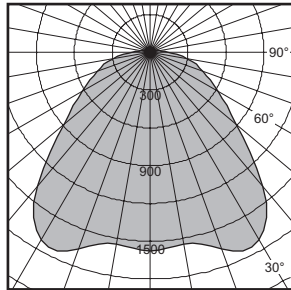
WRSN4 1 32 N1X20
Test #09937
Fixture Efficiency: 86.7%
SC Across: 1.3, SC Along: 1.2



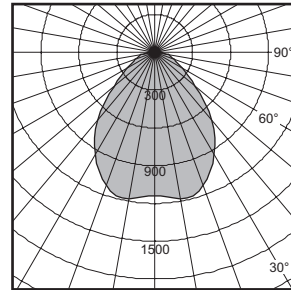
WRSN4 2 32 N1X20
Test #48099
Fixture Efficiency: 82.2%
SC Across: 1.3, SC Along: 1.3



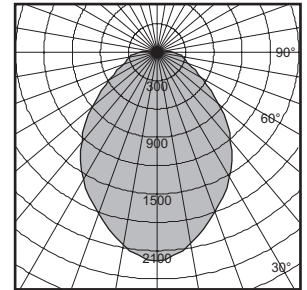
WRSN4 1 32 S1X20
Test #10296
Fixture Efficiency: 85.9%
SC Across: 1.6, SC Along: 1.3



WRSN4 2 32 S1X20
Test #10299
Fixture Efficiency: 75.4%
SC Across: 1.5, SC Along: 1.3



WRSN4 1 32 T1X20
Test #10295
Fixture Efficiency: 86.0%
SC Across: 1.2, SC Along: 1.2



WRSN4 2 32 T1X20
Test #09939
Fixture Efficiency: 80.6%
SC Across: 1.1, SC Along: 1.2