

# CEILING MOUNT WRAP

# 20

## T5 | T8

CATALOG #:

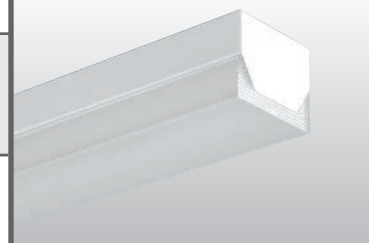
TYPE:

PROJECT:

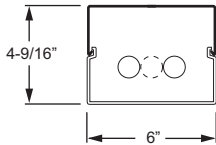
NOTES:

**EXAMPLE** **20** - **4** - **2 32** - **A** - **OPTIONS** - **EB2** - **UNV**

SERIES      NOMINAL LENGTH      TOTAL WATTAGE/LAMPS TYPE      SHIELDING      OPTIONS/ACCESSORIES      BALLAST TYPE      VOLTAGE



## CROSS SECTION



## ORDERING INFORMATION

**SERIES**  
20 Ceiling Mount Wrap

**NOMINAL LENGTH**

2	2'
3	3'
4	4'
8	8'

**TOTAL LAMPS**  
1, 2, or 4 1- or 2-lamp cross-section

**LAMP WATTAGE/TYPE**

**2' LAMP OPTIONS**

14T5S	2', 14-watt T5
17	2', 17-watt T8
24T5H	2', 24-watt T5HO

**3' LAMP OPTIONS**

25	3', 25-watt T8
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**4' LAMP OPTIONS**

28T5S	4', 28-watt T5
54T5H	4', 54-watt T5HO
32	4', 32-watt T8

**SHIELDING**  
A Clear acrylic prismatic diffuser

**OPTIONS**  
See Technical Info for [mounting accessories](#) and [generic EM ballast options](#) (must specify voltage).

**BALLAST TYPE**  
See Technical Info for complete [ballast offering](#).

EB1	1-lamp electronic ballast
EB2	2-lamp electronic ballast
EB4	4-lamp electronic ballast (not available with T5S)

**VOLTAGE**

120	120V
277	277V
UNV	120-277V
347	347V

## FEATURES

- ▶ Williams' 20 Series can be mounted on the ceiling or suspended.
- ▶ Narrow width allows use in smaller spaces such as corridors and walkways.
- ▶ Available in 2', 3', 4', and 8' lengths in T5 or T8, for individual or continuous row mount.
- ▶ Diffuser provides uniform light distribution and subtle side illumination.
- ▶ Diffuser is secured continuously along luminaire sides.
- ▶ Universal lamp bracket allows for field conversion from 1 to 2 lamps (or 2 to 1).
- ▶ 7/8" knockout in fixture ends for continuous row mounting.
- ▶ Wireway is accessible without the use of tools.
- ▶ Ballast secured by two captive bolts and nuts to ensure a tight, reliable fit for maximum heat dissipation.
- ▶ This fixture is proudly made in the USA.



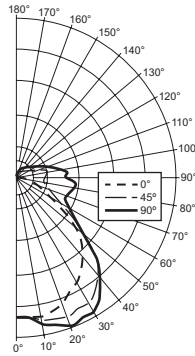
### SPECIFICATIONS

**Housing** – 22-gauge die-formed C.R.S.  
**Shielding** – Acrylic prismatic diffuser.  
**Finish** – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.  
**Electrical** – Electronic ballast standard, instant start T8, program start T5, rated Class P.  
**Mounting** – Surface to ceiling or suspended.  
**Labels** – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations.

### PHOTOMETRY

#### TEST REPORT INFORMATION

- ▶ Test Report #: 9966.0
- ▶ Date: 7/23/98
- ▶ Lamp Type: F32T8/SPX35/RS
- ▶ Lamp Quantity: 2



#### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1207.	1207.	1207.	
5°	1199.	1207.	1216.	115.2
15°	1187.	1256.	1313.	355.0
25°	1081.	1237.	1329.	565.0
35°	959.	1168.	1223.	709.7
45°	781.	940.	937.	700.1
55°	478.	556.	586.	486.5
65°	256.	341.	460.	345.7
75°	130.	266.	492.	303.6
85°	43.	256.	497.	290.2
90°	22.	256.	424.	
95°	11.	266.	435.	263.2
105°	9.	226.	314.	204.3
115°	0.	114.	207.	117.0
125°	0.	81.	119.	64.9
135°	0.	66.	90.	44.7
145°	0.	57.	81.	32.1
155°	0.	39.	54.	16.2
165°	0.	30.	39.	6.1
175°	0.	0.	0.	0.
180°	0.	0.	0.	

#### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	1035.	17.5	22.4
0 - 40	1745.	29.6	37.8
0 - 60	2932.	49.7	63.5
0 - 90	3871.	65.6	83.8
90 - 120	585.	9.9	12.7
90 - 130	649.	11.0	14.1
90 - 150	726.	12.3	15.7
90 - 180	749.	12.7	16.2
<b>Total Luminaire:</b>			
0 - 180	4620.	78.3	100.0
Total Luminaire Optical Efficiency: <b>78.3%</b> IES Spacing Criteria: Across = 1.5 Along = 1.3			

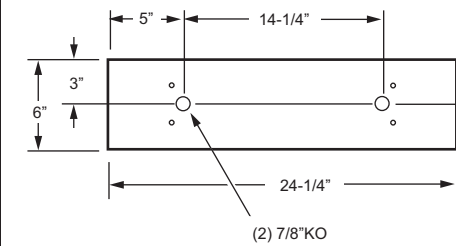
#### ZONAL CAVITY COEFFICIENTS

	Ceiling			Wall			Floor		
	.80	.70	.50	.70	.50	.30	.50	.30	.10
0	.90	.90	.90	.87	.87	.87	.80	.80	.80
1	.82	.78	.74	.78	.75	.71	.69	.66	.64
2	.74	.68	.63	.71	.65	.61	.61	.57	.53
3	.68	.60	.54	.65	.58	.52	.54	.49	.45
4	.63	.54	.47	.60	.52	.46	.48	.43	.39
5	.58	.48	.41	.55	.46	.40	.43	.38	.34
6	.53	.43	.36	.51	.42	.35	.39	.33	.29
7	.49	.39	.32	.47	.37	.31	.35	.30	.26
8	.45	.35	.28	.43	.34	.28	.32	.26	.22
9	.42	.31	.25	.40	.30	.24	.28	.23	.19
10	.39	.28	.22	.37	.27	.22	.26	.21	.17

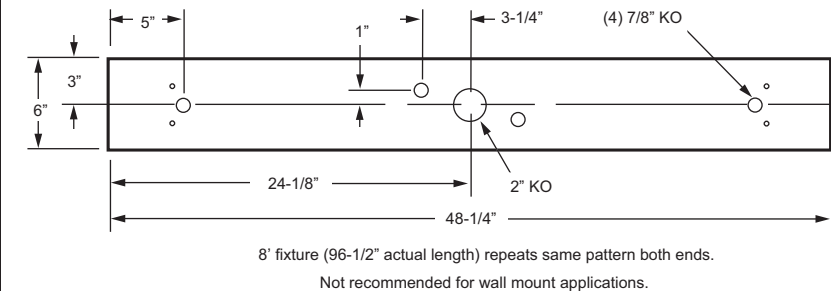
Effective Floor Cavity Reflectance = .20

### FIXTURE DETAILS

#### BACKVIEW 4'



#### BACKVIEW 8'



8' fixture (96-1/2" actual length) repeats same pattern both ends.  
 Not recommended for wall mount applications.