NEO-RAY™

DESCRIPTION

Series 81 can be used individually or in illuminated rows and patterns, each fixture is uniquely suited to achieve many functional and aesthetic spatial effects. Shielding locks in place without hardware. The trim is rigid "U" shaped, doubled formed with a 3/8" regress soft lit edge.

В

6" [153mm]

6-3/8" [162mm]

Catalog #	Туре
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

A ... Construction

20-gauge steel housing. Nominal 3' or 4' illuminated sections.

B ... Shielding

Acrylic diffuser or lens, parabolic or bold baffle shielding.

C ... Electrical

120, 277, 347 or Universal Voltage electronic ballast. Fixtures and electrical components certified to UL and CUL standards. Note: Please consult factory, Fifthlight may not be available in some configured options.

D ... Finish

Durable, low gloss, white, powder coated acrylic finish.

Mounting

Recessed. (ETG) Exposed T-Grid only.



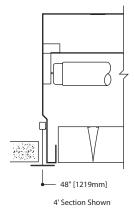
81

1 & 2T8 1 & 2T5 1 & 2T5HO

Recessed Direct

Light Distribution

Indirect - 0.0% Direct - 100.0%





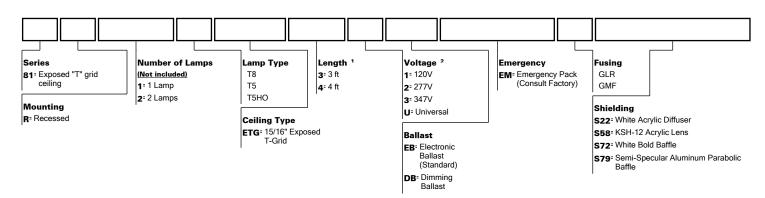
6-1/4'

[159mm]

Need to specify: Individual Run=Grid between fixtures, or Continuous Run=No Grid between fixtures. Continuous run fixtures cannot be installed as individuals, and individual fixtures cannot be combined into continuous runs



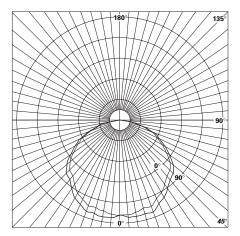
ORDERING INFORMATION



- Notes: 1 Available in 3' and 4' individual fixture lengths
 - 2 Not all options available. Please consult your Cooper Lighting Representative for availability.



PHOTOMETRICS



Series 81 (2) F40T12RS/WW 3200 Lumens Efficiency 38.4% Test Report #3010.0

Coefficients of Utilization

	Effectiv	e flo	or c	avity	reflectan	ce		20%		
rc		8	0%			50%	1		30%)
rw	70	50	30	10	50	30	10	50	30	10
RCR										
1	43	41	40	39	39	38	37	38	37	36
2	40	38	35	34	36	34	33	34	33	32
3	37	34	32	30	32	31	29	31	30	28
4	35	31	28	26	30	27	26	29	27	25
5	32	28	25	23	27	25	23	26	24	23
6	30	26	23	21	25	22	21	24	22	20
7	28	24	21	19	23	20	19	22	20	18
8	26	22	19	17	21	18	17	20	18	17
9	24	20	17	15	19	17	15	19	16	15
10	23	18	15	14	18	15	13	17	15	13

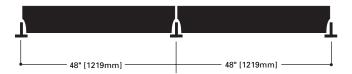
Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture		
0-30	1069	16.7	43.4		
0-40	1580	24.7	64.2		
0-60	1814	56.7	88.9		
0-90	2460	38.4	100.0		
90-180	0	0.0	0.0		
0-180	2460	38.4	100.0		
Total Luminaire Efficiency = 38.4%					

Candela

Angle	Along II	45°	Across \perp
0	1596	1596	1596
5	1568	1598	1624
10	1448	1491	1526
15	1359	1395	1462
20	1239	1275	1373
25	1065	1099	1238
30	929	979	1156
35	721	792	966
40	551	652	768
45	351	471	568
50	270	355	446
55	228	263	383
60	179	198	340
65	140	152	261
70	92	102	162
75	63	71	98
80	37	43	51
85	14	22	21
90	0	0	0

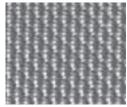
MOUNTING INFORMATION



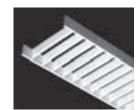
SHIELDING INFORMATION



\$22 Acrylic Diffuser 3/16" thick, matte white finish with mullion, no light leaks.



S58 Acrylic Lens 1/8" thick, clear acrylic prismatic lens.



S72 Bold Baffle1" high x 1.2"o.c., 3/16" thick aluminum baffle, continuous and unbroken, no visible joints.



S79 Parabolic Baffle 1-1/4" high blade, 2.4" o.c., semi-specular low-brightness Pearlescent Aluminum baffle. Continuous and unbroken, no visible joints.