

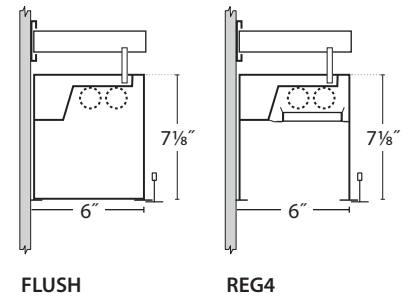
P83 | Cove & Perimeter

6" Perimeter



Type:

Job:



A prefabricated 6" perimeter system.

P83 is a straightforward approach to perimeter lighting. With a choice of lens or louver elevations, field trimmable extension kits, telescoping lamp modules, 90° corner units and choice of LED or fluorescent lamp sources, P83 is the perfect perimeter complement to any design.

P83-1-04-X3B
 2950 Lamp Lumens
 1600 Delivered Lumens
 32 Input Watts

54%
 EFFICIENCY

SERIES	STYLE	LENS POSITION	LAMP ROWS	NOMINAL LENGTH	TRIM COLOR	SHIELDING	MOUNTING	CIRCUITING	VOLTAGE	CEILING SYSTEM	OPTIONS	
P83	STD Standard STG Staggered	FLSH Flush REG1 1 1/2" Regress REG3 3" Regress REG4 4 3/8" Regress	1T8 (NA - STG) 2T8 (NA - STG) 1T5/HO (NA - STG) 2T5/HO (NA - STG)	2' 3' 4' 6' 8' R (Row Length - advise factory of row and pattern dimensions)	TMW Textured Matte White (Standard) YGW Gloss White Y Premium Color CC Custom Color	WA White Acrylic SAL Satin Acrylic Lens PRA Prismatic Acrylic Lens SPL Silver Parabolic Louver (Only available Flush or REG1) BLA* Blade Louver Aluminum BLW* Blade Louver White	WTW Wall to Wall (Any row length) LP Light Pocket (Typically 1' increments, fixture stops before wall)	SC Single Circuit DC Dual Circuit (2-Lamp only)	120 277 347 UNV (120-277)	X1 T-Bar Exposed (Standard) X3B Hard Ceiling (Flange trim)	EML* Emergency Battery, Low (600-700 delivered lumens) EMH* Emergency Battery, High (1100-1400 delivered lumens) DM Dimming (Specify manufacturer, voltage, and other requirements) RSE** Rapid-Start Electronic 10THD** Ballast with <10% Total Harmonic Distortion	B Specific Ballast (Specify manufacturer and catalog number) FH Fixture Fusing (Slow blow) C2 90° Corner (Unlit) CX Special Connectors <small>*Consult factory for fixture lengths <4'</small> <small>**T8 only</small>

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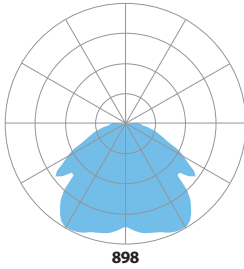


PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

PHOTOMETRICS

P83-1-04-X3B
 2950 Lamp Lumens
 32 Input Watts
 1600 Delivered Lumens
 32 Input Watts
 D=92.78% I=7.22%
 Report #LSI15490



Zonal Lumen Summary:
 0-90 54.33 92.78
 90-180 3.92 7.22
 Efficiency = 54.2%

Candlepower Summary

Vertical Angle	0°	22.5°	45°	67.5°	90°
0	758	758	758	758	758
5	738	746	768	789	790
10	694	714	765	803	823
15	635	664	739	802	837
20	562	599	697	794	857
25	484	525	651	794	889
30	405	444	599	771	898
35	322	357	535	727	879
40	240	266	449	629	797
45	169	183	351	529	671
50	138	148	241	424	552
55	115	123	206	364	466
60	90	103	162	310	370
65	73	88	136	263	310
70	55	73	107	224	266
75	39	53	77	191	230
80	24	33	48	162	197
85	10	14	20	137	174
90	0	5	7	114	151

APPLICATIONS

Classrooms, conference rooms, libraries, offices, retail.

CONSTRUCTION

The housing, available in 2-, 3-, 4-, 6- or 8-foot standard nominal lengths, and wall rails are made of 20-gauge steel. Louver material is semi-specular, low iridescent aluminum.

FINISH

The standard housing and trim color is gloss white (YGW) using polyester powder paint.

ELECTRICAL

T8 fixtures have instant-start electronic ballasts with less than 20% THD. Fixtures are U.L. Damp labeled (non-emergency) and I.B.E.W. manufactured. Maximum ballast size available: 2 3/8" width x 1 1/4" height.

MOUNTING

Fixture is recess-mounted in either exposed T-bar or hard ceiling application(s).



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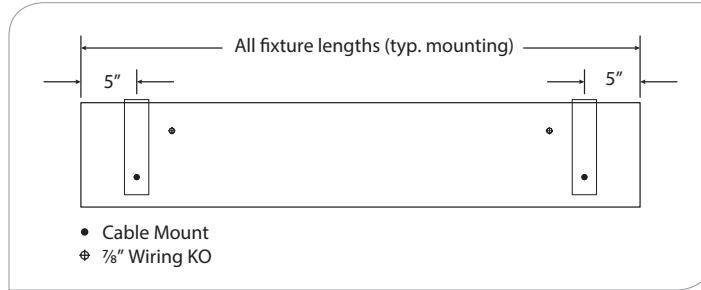


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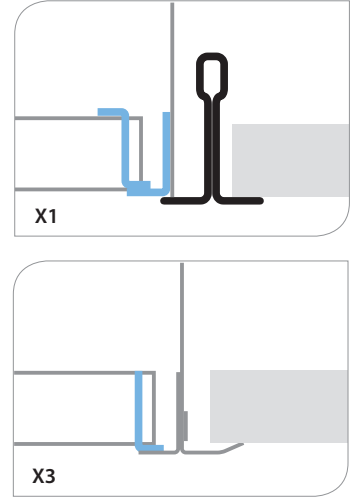
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NEW YSW – Seashell White (Matte)	NEW YCH – Champagne (Metallic)
YSL – Silver (Metallic)	YPE – Pewter (Matte)
YRG – Rain Grey (Gloss)	YSTM – Storm Grey (Matte)
NEW YBK – Black (Matte)	YBB – Black (Semi Gloss)
YSKM – Sky (Matte)	NEW YMB – Military Blue (Matte)
NEW YIB – Interstate Blue (Matte)	YSAM – Sapphire (Matte)
NEW YFGM – Forest Green (Matte)	YBR – Bronze (Matte)
YBY – Boysenberry (Matte)	YSRM – Sunset Red (Matte)
NEW YOR – Orange (Matte)	YDAM – Daffodil (Matte)

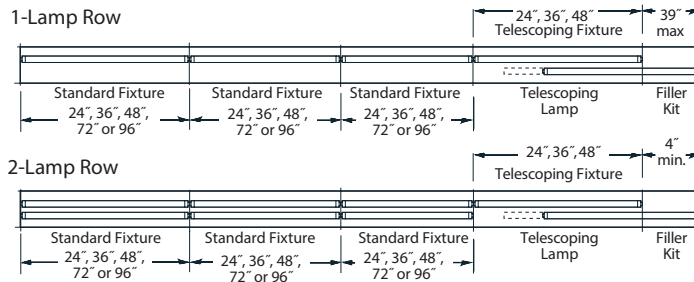
MOUNTING LOCATIONS



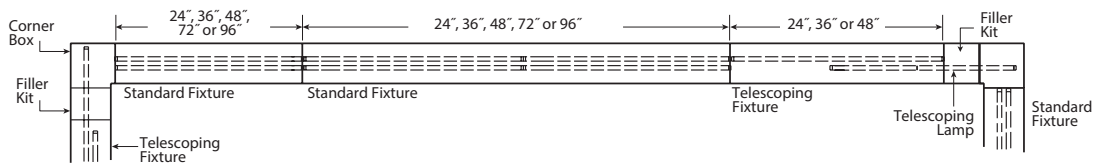
CEILING SYSTEMS



STANDARD ROW DETAILS

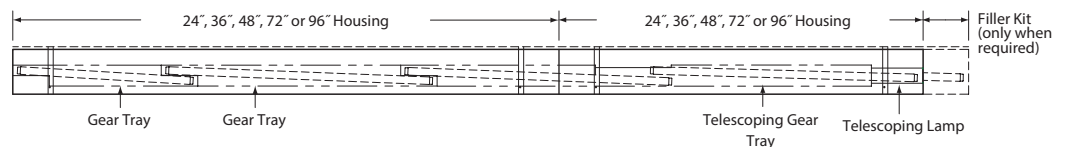


Typical T8 or T5/HO 2-LAMP Pattern Row

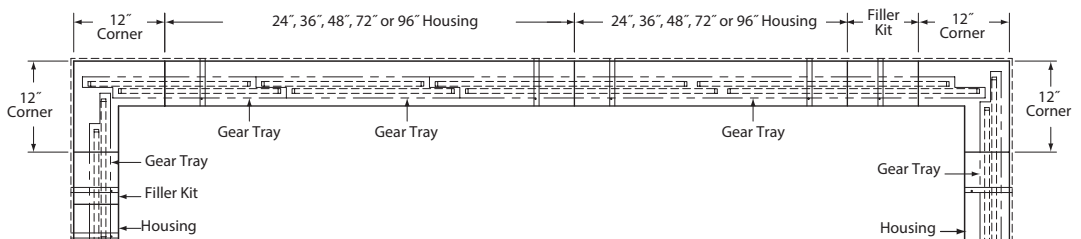


STAGGERED ROW DETAILS

Typical (1) T8/T5 Lamp Straight Row



Typical (2) T8/T5 Lamp Straight Row



Choose from one of our Premium Colors with no set-up fee.

For paint chip samples, please e-mail: info@prulite.com



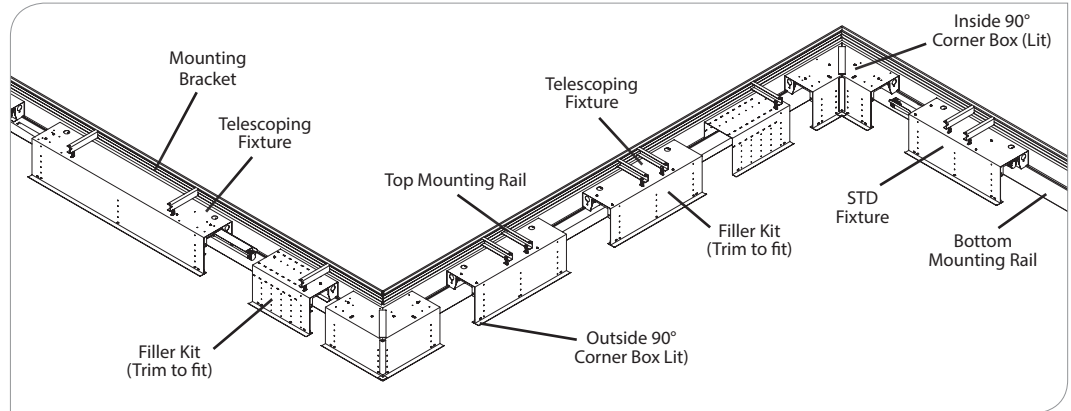
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CORNER DETAIL



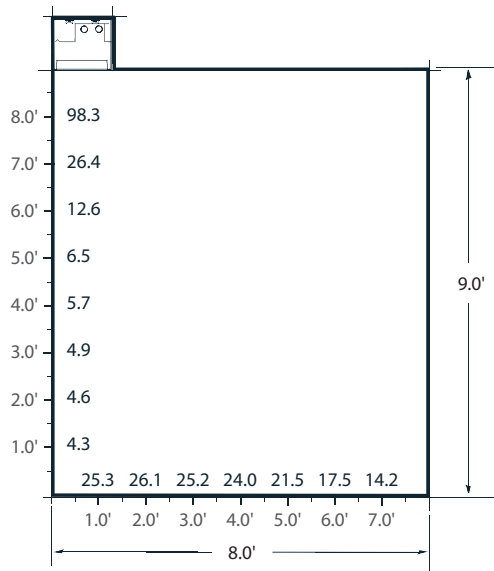
PERIMETER APPLICATION

8' x 9' x 20' corridor layout

Reflectances used: 80/50/20

Average Illuminance/Horizontal Grid (0" A.F.F.)

Average Illuminance/Vertical Grid (Wall Surface)



20' Single Fixture – P-83-1T8-SPL

Vertical Footcandles

Average Illuminance Maintained (LLF = .70)	Max FC	Max : Min	FC's 1'A.F.F
17.1 FC	98.3	22.8 : 1	3.6

20' Single Fixture – P-83-1T8-SPL

Horizontal Footcandles

Average Illuminance Maintained (LLF = .70) (0" A.F.F.)	Max FC	Max : Min (0" A.F.F.)	Watts/ Square Foot
10.1 FC	26.1	4.2 : 1	.92