



# P42 | Recessed Linear



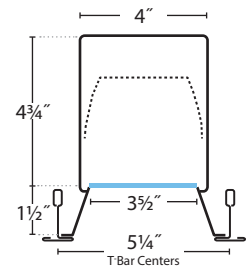
PRUDENTIAL LTG.

PRULITE.COM 213.746.0360



Type:

Job:



### Regressed illumination.

#### P40 Series includes:

- P40 - Direct Linear (Wash & Graze Optics)
- P46 - Direct/Indirect Linear (Wash & Graze Optics)
- P43 - Recessed Linear (Wall Wash and Wall Graze Optics)

**P42-LED4-SO-WA**  
 2333 Delivered Lumens  
 39.5 Watts  
 59 lm/w

UP TO **82** LM/W

	LO	MO	SO	HO
lm/ft	390	575	755	900
w/ft	4.5	7	10	12

[CLICK HERE](#)



Lumen output may vary +/- 5%  
 4000K used for lm/ft estimates above  
 3500K -2% llf, 3000K -4%, 2700K -6%  
 -10% llf for 90 CRI (4K, 3500K and 3K)  
**See LED Details PDF for more info**

SERIES	LED COLOR	OUTPUT	NOMINAL LENGTH	SHIELD-ING	FRAME COLOR	CIRCUIT-ING	VOLTAGE	CEILING SYSTEMS	DRIVERS	OPTIONS
P42	LED27 2700K (90CRI) LED3 3000K LED35 3500K LED4 4000K LED3-90 90CRI LED35-90 90CRI LED4-90 90CRI	LO Low MO Medium SO Standard HO High PROG Programmable Light Output (Specify desired lumens or watts per fixture)	2' 3' 4' 6' 8' R (Row length)	WA White Acrylic	JW Smooth Frame White (Standard) JB Smooth Frame Black KW Striated Frame White KB Striated Frame Black NOTE: Fixture body flange finished in Gloss White on mounting style X3B	SC Single Circuit UNV (120-277) 347 (Emergency battery requires a Step Down transformer)	X1 T-Bar Exposed (Standard) X3B Hard Ceiling (Overhead Mounting Brackets) X7 Hard Ceiling (Concealed Flange)	ND Non-Dimming DM10 0-10v, 10% Dimming (Standard) DM01 0-10v, 1% Dimming STEP Step Dimming, 100-50-Off, Osram NOTE: Lumens and watts per foot may differ for STEP drivers, consult factory LDE*5 5-Series EcoSystem LED	LDE1* Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming) LTE* Hi-lume 1% 2-Wire LED Driver (120V forward phase only) * Lutron NA HO ECO 1% 0-10v, EldoLED ECDA 1% DALI, EldoLED SOLO 0.1% 0-10v, EldoLED (Dim to Dark) SODA 0.1% DALI, EldoLED (Dim to Dark)	EML* Emergency Battery, Low (800 delivered lumens) EMH* Emergency Battery, High (1100 delivered lumens) FH Fixture Fusing (Slow blow) CP Chicago Plenum PRUBIN Meticulous Binning and Labeling every LED Board within a 2-Step MacAdams Ellipse *4' or longer



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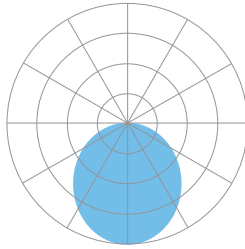
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## PHOTOMETRICS

### Low Output:

P42-LED4-SO-WA  
2333 Delivered Lumens  
39.5 Watts  
59 lm/w  
4000 CCT  
Test #LSI31585



### Zonal Lumen Summary: 0-90 = 100%

980

Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	980	980	980	980	980
5°	974	966	975	977	972
15°	922	915	917	917	909
25°	827	817	813	800	794
35°	701	692	679	660	650
45°	558	549	531	511	501
55°	412	404	388	370	362
65°	273	264	253	242	237
75°	142	137	134	129	127
85°	36	35	36	37	38
90°	0	0	0	0	0

### Luminance Chart:

Angle	0°	45°	90°
45°	9367	9741	10258
55°	8275	8789	9354
65°	7239	7706	8315
75°	6002	6260	6774
85°	4210	4024	3866

## LUMEN MAINTENANCE

Designed to last with cool running mid-power LEDs projected to maintain 90% (L90) of their initial output for 100,000 hours (at HO), and L70 exceeding 150,000 hours.

**LED SYSTEM** LED modules and drivers are field replaceable.

**PROG** (OPTIONAL) Programmable light output. Specify desired lumens or watts per fixture.

**BINNING** Standard binning (all Prudential LED boards) includes testing at the chip level and board integration to provide consistent color temperature within a 3-step MacAdams ellipse. +/- 100 lumens, +/- 100k CCT and +/- .004 Duv

**PRUBIN™** (OPTIONAL) Prudential Ltg's exclusive 'job binning' method that ensures color temperature consistency across all luminaires on a project. Meticulously testing and labeling **EVERY LED board** to +/- 25 lumens, +/- 50k CCT and +/- .004 Duv — while also separating positive from negative — allows us to match color, hue and intensity throughout a project and provides a consistent color temperature within a 2-step MacAdams ellipse.

## LABELS

ETL damp labeled and I.B.E.W. manufactured.

## ELECTRICAL

Must specify LED dimming controls. LED fixtures have constant current driver(s) with less than 20% THD when loaded to a minimum of 60%. Drivers sink a maximum of 6mA per driver. DM10 LED drivers are 0-10V dimmable and are compatible with most 0-10V wall slide dimmers and direct 0-10V analog signal dimmers. Max driver size 1.65" w x 1.25" h.

## CONSTRUCTION

Housing Die-formed 22-gauge steel

Lens Lay in flat acrylic lens

## MOUNTING

Recessed into drywall or T-bar ceilings

## WARRANTY

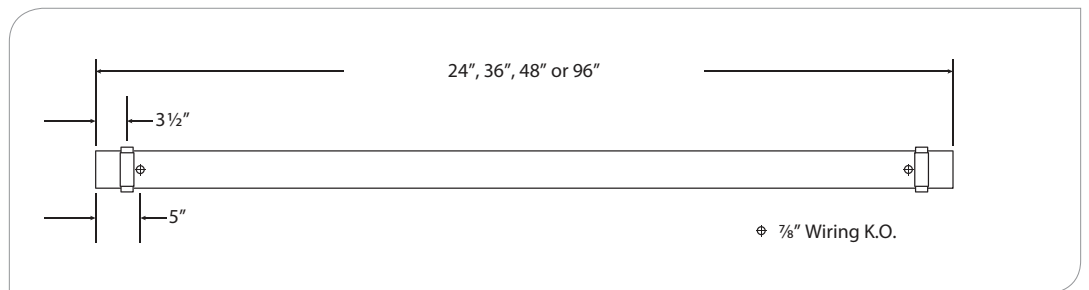
Single-source, 5 year limited warranty covers standard components and construction.



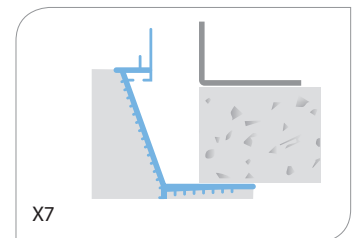
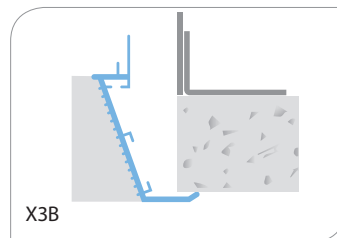
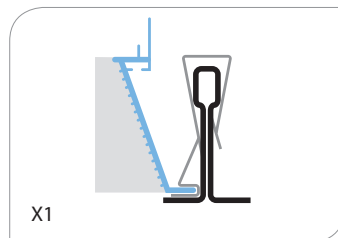
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MOUNTING OPTIONS



CEILING SYSTEMS



ADJOINING DETAILS

