



P42 | Recessed Linear



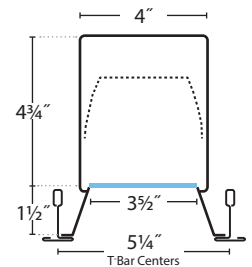
PRUDENTIAL LTG.

PRULITE.COM 213.746.0360



Type:

Job:



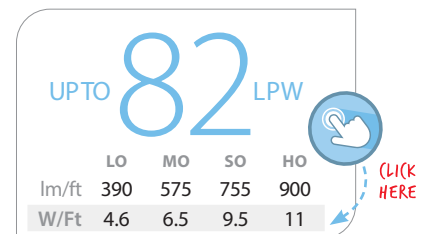
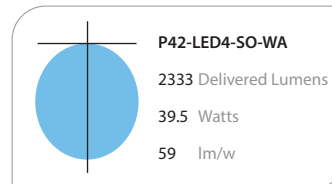
Regressed illumination.

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)



Declare.



Made in the USA

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				WA		SC				
	LED27 2700K (90CRI)	LO Low	2'	WA White Acrylic	JW Smooth Frame White (Standard)	SC Single Circuit	UNV (120-277)	X1 T-Bar Exposed (Standard)	ND Non- Dimming	EMHE Emergency Battery (1000 delivered lumens, CA Title 20 compliant; 4' or longer)
	LED3 3000K	MO Medium	3'		JB Smooth Frame Black		347 (Emergency battery requires a Step Down transformer)	X3B Hard Ceiling (Overhead Mounting Brackets)	DM01 0-10v, 1% Dimming (Standard)	FH Fixture Fusing (Slow blow)
	LED35 3500K	SO Standard	4'		KW Striated Frame White			X7 Hard Ceiling (Concealed Flange)	LDE1 Lutron Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming, NA - HO)	CP Chicago Plenum
	LED4 4000K	HO High	6'		KB Striated Frame Black				ECO 1% 0-10v, EldoLED (Logarithmic dimming std)	PRUBIN Meticulous Binning and Labeling every LED Board within a 2-Step MacAdams Ellipse
	LED3-90 90CRI	PROG Programmable Light Output (Specify desired lumens or watts per fixture)	8' (Row length)		NOTE: Fixture body flange finished in Gloss White on mounting style X3B				ECDA 1% DALI, EldoLED (Logarithmic dimming std)	
	LED35-90 90CRI								SOLO 0.1% 0-10v, EldoLED (Dim-to-dark, Logarithmic dimming std)	
	LED4-90 90CRI								SODA 0.1% DALI, EldoLED (Dim-to-dark, Logarithmic dimming std)	



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PHOTOMETRICS

Low Output:

P42-LED4-SO-WA

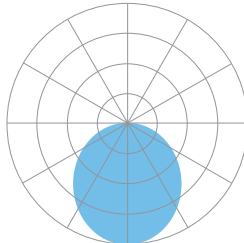
2333 Delivered Lumens

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

CSA and 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. DM01 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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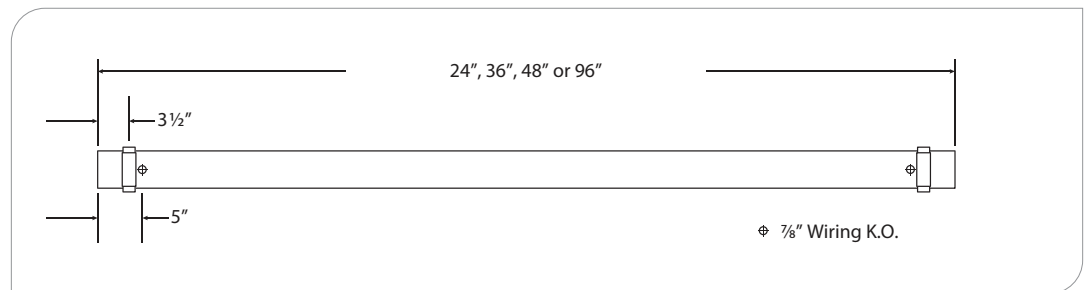


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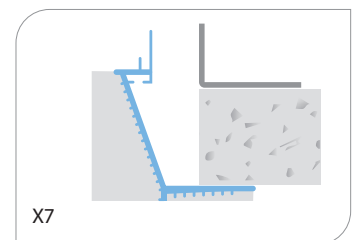
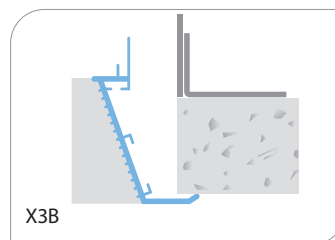
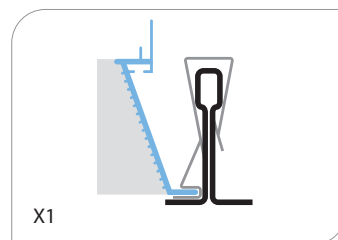
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MOUNTING OPTIONS



CEILING SYSTEMS



ADJOINING DETAILS

