



# P40 | Wall Wash

## 4" Linear



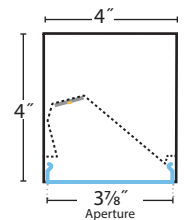
PRUDENTIAL LTG.

PRULITE.COM 213.746.0360



Type:

Job:



### Open office illumination, wall washing or grazing.

Industry best combination of optics, efficacy and aesthetics. See our Bionic Series for the same great optics with an extruded aluminum housing.

#### P40 Series includes:

- P40 - Direct Linear (Wash, Graze, Perimeter Fill and Ceiling Wash Optics)
- P46 - Direct/Indirect (Wash, Graze, Perimeter Fill and Ceiling Wash Optics)
- P43 - Recessed Linear (Wall Wash, Graze and Perimeter Fill)
- P42 - 1" Regress Recessed Linear

**P40-LED4-LO-AWL-D1W**

- 1750 Delivered Lumens
- 17.6 Watts
- 100 lm/w

UP TO **100** LM/W

	LO	MO	SO	HO
lm/ft	437	675	940	1072
w/ft	4.6	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

SE-RIES	LED COLOR	OUTPUT	NOMINAL LENGTH	COLOR/ FINISH	SHIELD-ING	DISTRI-BUTION	CIRCU-ITING	VOLT-AGE	MOUNT-ING	CEILING SYSTEMS	DRIVERS	OPTIONS, SENSORS & CONTROLS
P40												
Wall Wash	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 lm/ ft or w/ft)	2' 3' 4' 6' 8' R (Row length) NOTE: Individual fixtures are not intended for row mounting Row lengths are typically made up of 8' and 4' fixtures, (eg. 12' row is (1) 8' and (1) 4'), unless symmetric row lengths are requested.	TMW Textured Matte White (Standard) YGW Gloss White Y Premium Color CC Custom Color GLV Galvanized with Black End Plates NOTE: All canopies are painted the same color as the fixture. Consult factory to specify	AWL Wall Wash Lens AWL-D1W	D1W Wall Wash (AWL only)	SC Single Circuit	UNV (120-277) 347 (Emergency battery requires a Step Down transformer)	CA48", 96" or 144" Aircraft Cable (Adjustable) SUR Surface Mount WS 1/2" Wall Spacer WS2 2" Wall Spacer WM Direct to Wall (ADA Compliant) SSC Stem Mount (Specify length)	X1 T-Bar 15/16" (Standard) X3 Hard Ceiling X6 Slot Grid	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 LDE5 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) 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 (D1, D1W ~850 delivered lumens, D1G ~ 600) EMH Emergency Battery, High (D1, D1W ~1175 delivered lumens, D1G ~ 900) IBC Insulated Braided Cord PRUBIN Meticulous Binning and Labeling every LED Board within a 2-Step MacAdams Ellipse SENSORS: 205 WattStopper PIR Occupancy 205-STEP: Dim to 50% 205-DM: Dim to 10% / 1% LUX Phillips DLH ENL Enlighted 2-Wire DLH & Environmental CORNERS: C2 90° 2-Way Lit C2X Special Angled Connector (Consult factory)



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Wall Wash

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02-22-2019



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### WALL WASH

#### Low Output:

P40-LED4-LO-AWL-D1W

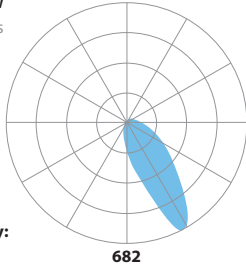
1750 Delivered Lumens

17.6 Watts

100 lm/w

4000 CCT

Test #L021507501R01



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

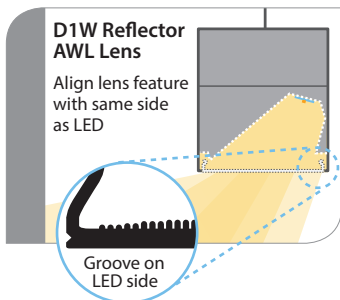
Vertical Angle	0°	25°	45°	65°	90°
0°	682	682	682	682	682
5°	941	920	874	798	652
15°	1247	1183	1086	947	624
25°	1060	1146	1271	1044	535
35°	776	801	933	1127	427
45°	544	563	623	943	329
55°	344	347	377	555	248
65°	206	208	214	281	157
75°	96	97	95	110	79
85°	18	19	45	20	16
90°	0	0	0	0	0

#### Luminance Chart:

Angle	0°	45°	90°
45°	9993	11341	4030
55°	7831	8986	3852
65°	5699	6798	3403
75°	3737	4747	2686
85°	2322	2663	1558

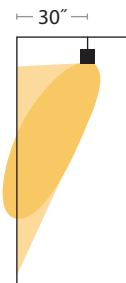
NOTE: D1R - Use D1W IES Files and flip in room application software.

### WALL WASH ORIENTATION



## Wall Washing.

Our PruOptics™ reflector/refractor design delivers a high performance wall wash. No mechanical kickers needed.



Standard Output - 750 lm/ft	10	9'	40fc	76/16	4.75
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#### Footcandles on Wall

Height	1'	2'	3'	4'	5'	6'	7'	8'	9'
1'	16	17	17	17	17	17	17	17	16
2'	22	23	24	23	22	22	22	22	22
3'	29	31	32	32	29	29	29	29	29
4'	39	43	44	43	39	39	39	39	39
5'	51	56	59	56	51	51	51	51	51
6'	62	68	72	68	62	62	62	62	62
7'	67	73	76	73	67	67	67	67	67
8'	55	60	62	60	55	55	55	55	55
9'	26	28	29	28	26	26	26	26	26

### 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 linear foot. Min: 2½ w/ft, consult factory for requests above 12 w/ft.

### 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, with +/- 5% lumen output range 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 1½" w x 1¼" h.

### CONSTRUCTION

- Housing: 20-gauge steel, >20% PC recycled, 100% recyclable.
- Lens: Acrylic, 100% recyclable.
- Louvers: Aluminum, >25% PC recycled, 100% recyclable.

### MOUNTING

Surface mounted to walls or ceilings, suspended by cable or stem.

### WARRANTY

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



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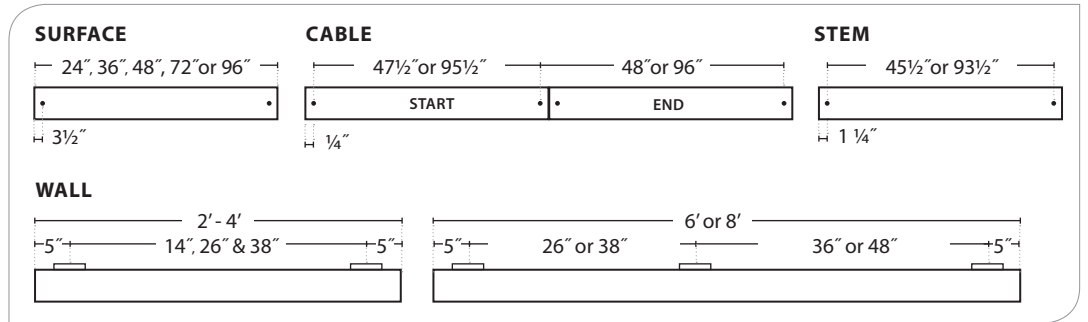


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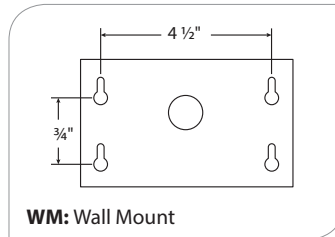
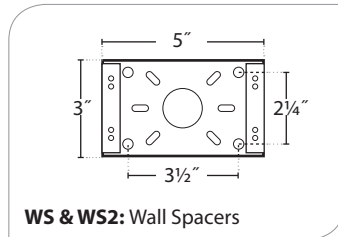
### MOUNTING LOCATIONS



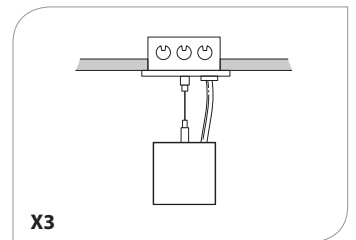
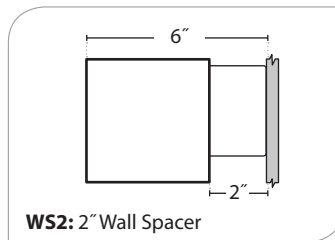
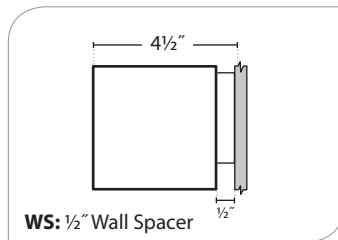
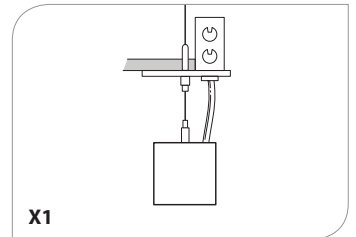
Choose from one of our Premium Colors with no set-up fee.

For paint chip samples, please email: [info@prulite.com](mailto:info@prulite.com)

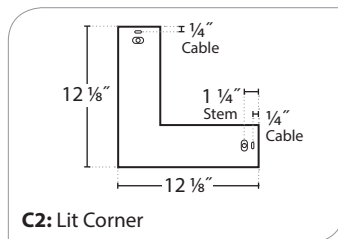
### WALL MOUNTING



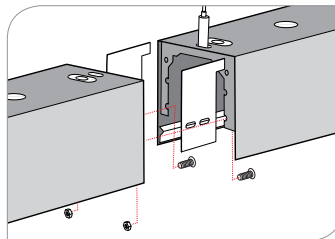
### CEILING SYSTEMS



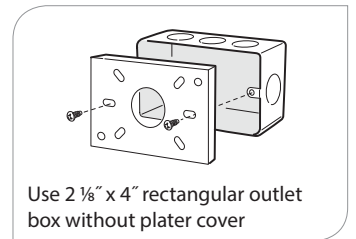
### CORNERS



### ADJOINING DETAIL



### ELECTRICAL OUTLET BOX



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### CONTROL SENSORS

