



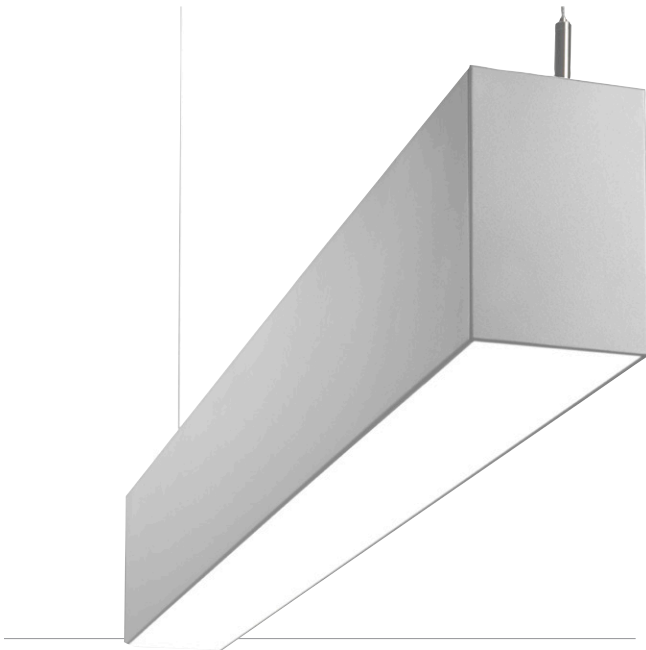
P46 | Linear, Wall

4" Linear



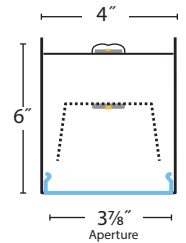
PRUDENTIAL LTG.

PRULITE.COM 213.746.0360



Type:

Job:



Direct/Indirect with fantastic optical performance.

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

P40 Series includes:

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

P46-LED4-LO-LO-SAL-D1-SYM-SC
 3903 Delivered Lumens
 38.3 Watts
 102 lm/w
 4000 CCT

UP TO **102** LM/W

		LO	MO	SO	HO
CW with SAL-D1	lm/ft	810	1250	1740	1985
	w/ft	9	14	20	24
SYM with SAL-D1	lm/ft	900	1300	1850	2100
	w/ft	9	14	20	24

[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	OUT-PUT	NOM. LGTH	FINISH COLOR	SHIELDING	DISTRIBUTION	CIRCU-ITING	VOLT-AGE	MOUNT-ING	CEILING SYSTEM	DRIVERS	OPTIONS, SENSORS & CORNERS
P46		-										
	LED27 2700K (90CRI)	LO Low	2'	TMW Textured Matte White (Standard)	SAL* Satin Acrylic Lens	Choose DOWN -and- UP	SC Single Circuit	UNV (120-277)	CA48", 96" or 144" Aircraft Cable (Adjustable)	X1 T-Bar 1" or 1/2" Exposed (Standard)	ND Non-Dimming	EML Emergency Battery, Low (D1, D1W ~ 850 delivered lumens, D1G ~ 600)
	LED3 3000K	MO Medium	3'		OPL* Opal Frost Acrylic Lens	D1 Direct (SAL, SPL-OPL or BLA-OPL)	CW Ceiling Wash (NA with corners)	347 (Emergency battery requires a Step Down transformer)	WS 1/2" Wall Spacer	X3 Hard Ceiling	DM10 0-10v, 10% Dimming (Standard)	EMH Emergency Battery, High (D1, D1W ~1175 delivered lumens, D1G ~ 900)
	LED35 3500K	SO Standard	4'	YGW Gloss White	SPL-OL*† Silver Parabolic Louver		SYM Symmetric	WS 2" Wall Spacer	WS2 2" Wall Spacer	X6 Slot Grid	DM01 0-10v, 1% Dimming	ADC Acrylic Dust Cover
	LED4 4000K	HO High	6'	Y Premium Color	BLA-OL*† Bladed Louver Anodized		ASY-R/W Asymmetric	WM Direct to Wall (ADA compliant)			STEP Step Dimming, 100-50-Off, Osram	IBC Insulated Braided Cord
	LED3-90 90CRI	NOTE: Specify separate output Down-Up if desired eg, HO-LO	R	CC Custom Color	* D1 only † Louvers have a thin acrylic overly masking LEDs	D1W Wall Wash (AWL only)	ASY-R Room Side (optic direction)				NOTE: Lumens and watts per foot may differ for STEP drivers, consult factory	PRUBIN Meticulous Binning and Labeling every LED Board within a 2-Step MacAdams Ellipse
	LED35-90 90CRI			GLV Galvanized with Black End Plates	AWL Acrylic Wall Wash Lens (D1W or D1R only)	D1R Perimeter Fill (Wall mount with AWL only)	ASY-W Wall Side				LDE5 5%, Lutron (Ecosystem)	SENSORS:
	LED4-90 90CRI	PROG Programmable Light Output (Specify desired lm/ft or w/ft)		NOTE: All canopies are painted the same color as the fixture. Consult factory to specify	AWW Acrylic Wall Grazer Lens (D1G only)	D1G Wall Grazer (AWW only, WB recommended for Wall Mount)					LDE1 1%, Lutron (Soft Fade to Black, Ecosystem)	205 WattStopper PIR Occupancy
											LTE 1% Forward Phase, 2 Wire, Lutron (120V only)	205-STEP: Dim to 50%
											ECO 1% 0-10v, EldoLED	205-DM: Dim to 10% / 1%
											ECDA 1% DALI, EldoLED	LUX Phillips DLH
											SOLO 0.1% 0-10v, EldoLED (Dim to Dark)	ENL Enlighted 2-Wire DLH & Environmental
											SODA 0.1% DALI, EldoLED (Dim to Dark)	CORNERS:
												C2 90° 2-Way Lit Corner
												C2X Special Angled Connector (Consult factory)



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Linear

1

11-27-2018



P46 | Linear, Wall

4" Linear



PRUDENTIAL LTG.

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SATIN ACRYLIC GLOW

Low Output:

P46-LED4-LO-LO-SAL-D1-SYM-SC

3903 Delivered Lumens

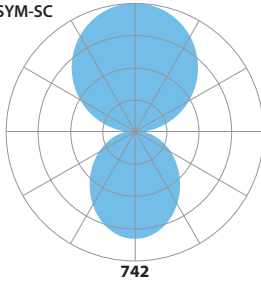
38.3 Watts

102 lm/w

4000 CCT

LIGHT LABS TEST

#L041412309



742

Zonal Lumen Summary:

0-90 = 45%

90-180 = 55%

Vertical Angle	0°	25°	45°	65°	90°
0°	742	742	742	742	742
5°	734	735	736	735	735
15°	694	696	693	688	686
25°	620	621	613	604	598
35°	527	522	510	497	491
45°	417	415	400	385	377
55°	309	304	290	277	270
65°	206	202	192	184	179
75°	106	104	100	96	94
85°	31	30	30	29	29
90°	0	0	0	0	0
95°	24	23	24	25	24
105°	149	132	33	35	35
115°	296	288	257	260	231
125°	425	428	366	366	320
135°	540	544	549	511	473
145°	635	636	642	645	601
155°	708	714	709	711	718
165°	760	760	762	759	741
175°	785	788	789	788	788
180°	792	792	792	792	792

Luminance Chart (SAL-D1):

Angle	0°	45°	90°
45°	4637	4822	5078
55°	4097	4351	4631
65°	3584	3815	4116
75°	2972	3099	3353
85°	2084	1992	1914

SATIN ACRYLIC GLOW/CEILING WASH

Low Output:

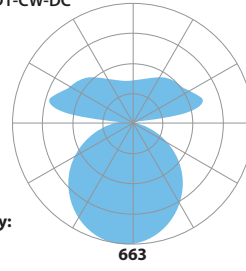
P46-LED4-LO-LO-SAL-D1-CW-DC

3240 Delivered Lumens

34.6 Watts

94 lm/w

4000 CCT



663

Zonal Lumen Summary:

0-90 = 48%

90-180 = 52%

Vertical Angle	0°	25°	45°	65°	90°
0°	663	663	663	663	663
5°	657	658	659	658	656
15°	622	622	622	619	618
25°	559	558	554	550	547
35°	476	474	468	461	458
45°	382	379	372	366	362
55°	285	282	277	271	268
65°	195	192	189	185	184
75°	102	102	103	102	102
85°	26	29	32	34	34
90°	0	0	0	0	0
95°	81	163	120	27	14
105°	584	431	147	82	53
115°	550	419	218	146	101
125°	524	428	278	203	153
135°	495	423	318	249	203
145°	431	389	334	277	244
155°	380	363	333	299	282
165°	350	343	330	318	311
175°	333	331	331	329	327
180°	330	330	330	330	330

WALL WASH

Low Output:

P46-LED4-LO-AWL-D1W

1750 Delivered Lumens

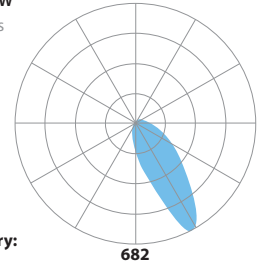
17.6 Watts

100 lm/w

4000 CCT

LIGHT LABS TEST

#L021507501R01



682

Zonal Lumen Summary:

0-90 = 100%

Vertical Angle	0°	25°	45°	65°	90v
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

UPTO **100** LM/W

	LO	MO	SO	HO
lm/ft	437	675	940	1072
w/ft	4.5	7	10	12

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





P46 | Linear, Wall 4" Linear



PRUDENTIAL LTG.

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Client | Hicks Orthodontics | Architect | BARBERMcMURRY Architects

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 2¾" w x 1¼" h.

CONSTRUCTION

Power cord is White except for fixtures painted Black (YBB, YBK) have Black power cords.

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 or suspended by cable

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





P46 | Linear, Wall

4" Linear



PRUDENTIAL LTG.

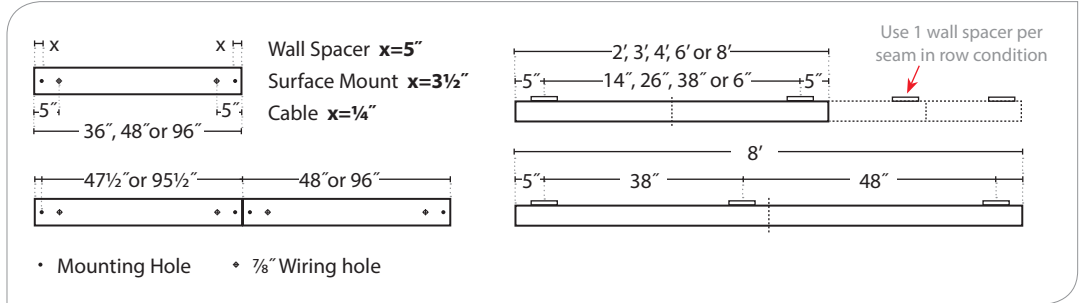
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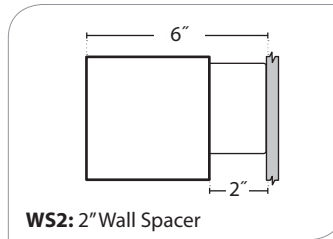
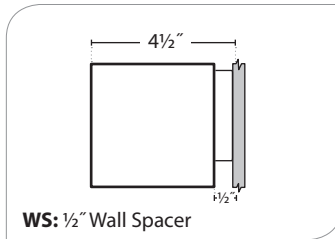
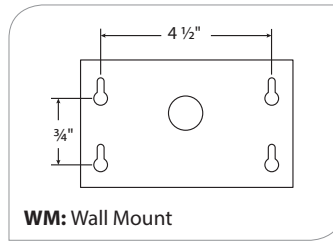
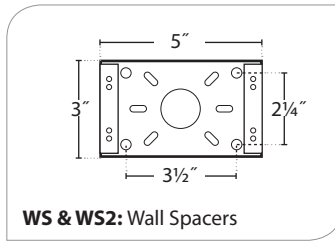
Choose from one of our Premium Colors with no set-up fee.

For paint chip samples, please email: info@prulite.com

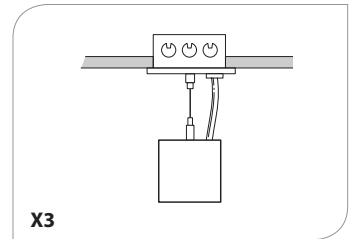
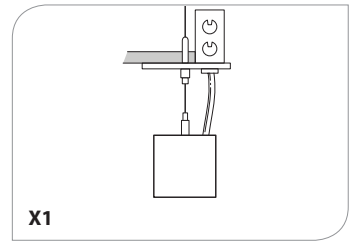
MOUNTING LOCATIONS



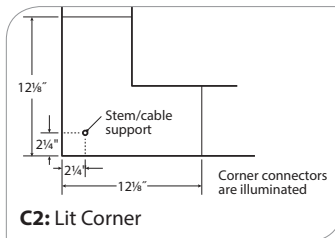
WALL MOUNTING



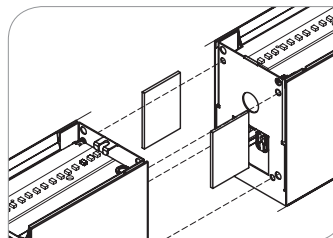
CABLE MOUNTING



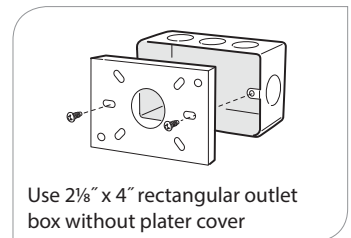
CORNERS



ADJOINING DETAIL



ELECTRICAL OUTLET BOX





P46 | Linear, Wall

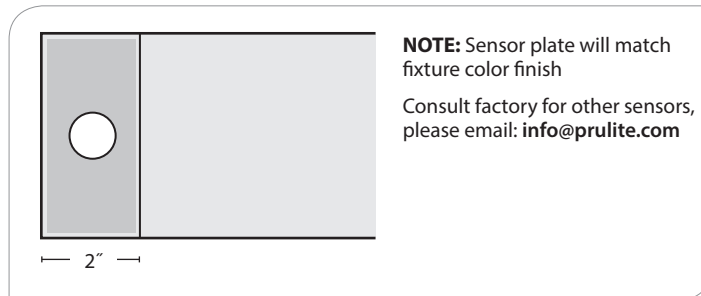
4" Linear



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CONTROL SENSORS

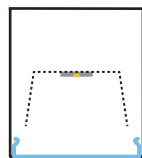


LOUVERS

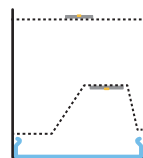


DISTRIBUTION — CROSS SECTIONS

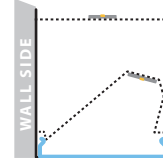
DOWN:



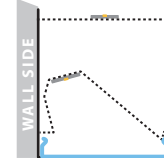
D1 Direct
(Shown with NU: No Uplight)



D1G* Wall Grazer



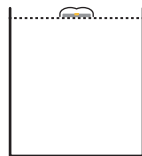
D1W* Wall Wash



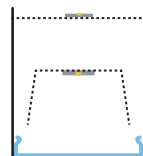
D1R* Perimeter Fill

* Shown with SYM: Symmetric Uplight

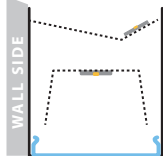
UP:



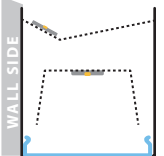
CW Ceiling Wash
(Shown with NW: No Downlight)



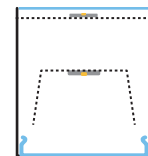
SYM† Symmetric



ASY-W† Wall Side



ASY-R† Room Side



ADC† Acrylic Dust Cover
† Shown with D1: Direct Downlight

