



P40 | Linear, Surface & Wall 4" Linear

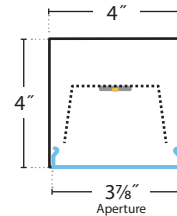
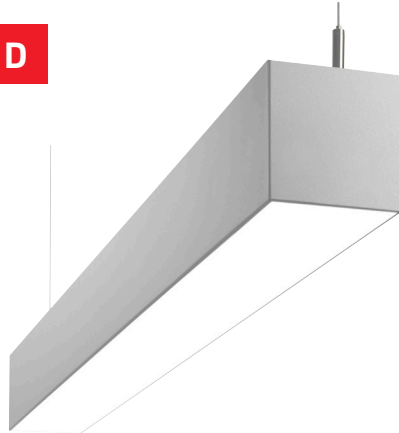


PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

DISCONTINUED

Click for **BionicPro**



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-SAL-D1
1809 Delivered Lumens
19 Watts
99 Lm/W

UP TO 99 LPW

	LO	MO	SO	HO
SAL-D1: lm/ft	450	675	900	1000
w/ft	4.6	6.5	9.5	11
AWL-D1W: lm/ft	450	675	900	1000
w/ft	4.6	6.5	9.5	11

[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	NOMINAL LENGTH	COLOR/ FINISH	SHIELDING	DISTRIBUTION	CIRCU-ITING	VOLT-AGE	MOUNT-ING	CEILING SYSTEM	DRIVERS	OPTIONS, SEN-SORS & CORNERS
P40												
Linear	LED27 2700K (90CRI) LED3 3000K LED35 3500K LED4 4000K LED3-90 90CRI LED35-90 90CRI LED4-90 90CRI	LO Low MO Me-dium SO Stan-dard HO High PROG Pro-gram-mable Light Output (Specify desired lm/ft or w/ft)	2' 3' 4' 6' 8' R (Row length in 1" increments) Y (Row length in 1" increments)	TMW Textured Matte White (Standard) YGW Gloss White Y Pre-mium Color CC Custom Color GLV Galvan-ized with Black End Plates (Consult factory) NOTE: All canopies are typically painted the same color as the fixture. Consult factory to specify	SAL* Satin Acrylic Lens OPL* Opal Frost Lens SPL-OL*† Silver Parabolic Louver BLA-OL*† Bladed Louver Anodized BLW-OL*† Bladed Louver White * D1 only † Louvers have a thin acrylic overly mask-ing LEDs	Choose either DOWN -OR- UP DOWN: D1 Direct (SAL, OPL, SPL-OL, BLA-OL or BLW-OL) D2-CW Ceiling Wash (NA with corners) D2-SYM Symmetric D2-ASY-R/W Asymmet-ric D1W Wall Wash (AWL only) D1R Perimeter Fill D1G Wall Grazer (AWW only. NA with Uplight. WB recommended for wall mount) D1G Wall Grazer (AWW only. NA with Uplight. WB recommended for wall mount)	SC Single Circuit DC Dual Circuit (Two feeds required)	UNV (120-277) 347 (Emergency battery re-quires a Step Down trans-former)	CA48", 96" or 144" Aircraft Cable (Adjust-able) SSC Stem Mount (Specify length, NA - D2) SUR Surface Mount (NA - D2) WS 1/2" Wall Spacer WS2 2" Wall Spacer WM Direct to Wall (ADA Compliant) WB Wall Bracket	X1 T-Bar 15/16" or 3/16" Ex-posed (Standard) Consult factory for 3/16" Tegular X3 Hard Ceiling X6 Slot Grid	ND Non-Dimming DM01 0-10v, 1% Dimming (Standard) LDE1 Lutron Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming) ECO 1% 0-10v, EldoLED (Logarithmic dimming std) ECDA 1% DALI, EldoLED (Logarithmic dimming std) SOLO 0.1% 0-10v, EldoLED (Dim-to-dark, Logarithmic dimming std) SODA 0.1% DALI, EldoLED (Dim-to-dark, Logarithmic dimming std)	EMHE CA T20 Emergency Battery (D1, D1W-1000, D1G-750 delivered lumens; CA Title 20 compliant; 4' or longer [remote for < 4']) ADC Acrylic Dust Cover IBC Insulated Braided Cord PRUBIN Meticu-lous Binning and Labeling every LED Board within a 2-Step MacAd-ams Ellipse SENSORS: 205-ON/OFF WattStopper PIR Occupancy 205-STEP: Dim to 50% 205-DM: Dim to 1% LUX Phillips DLH ENL Enlighted 2-Wire DLH & Environmental CORNERS: C2 90° 2-Way Lit C2X Special Angled Connector (Consult factory)



P40 | Linear, Surface & Wall

4" Linear

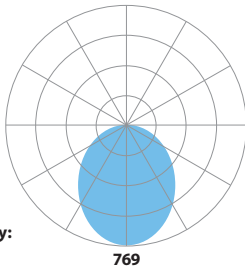


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SAL-D1 GLOW

Low Output:
P40-LED4-LO-SAL-D1
 1809 Delivered Lumens
 19 Watts
 99 lm/w
 4000 CCT
 Test #102953252LAX-004



Zonal Lumen Summary:
 0-90 (Down) = 100%

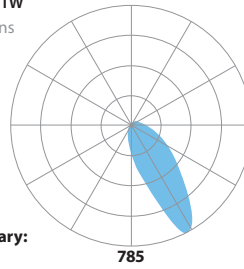
Vertical Angle	0°	25°	45°	65°	90°
0°	769	769	769	769	769
5°	762	763	763	760	760
15°	720	717	709	698	693
25°	642	632	612	592	582
35°	538	522	494	469	457
45°	421	403	373	349	337
55°	303	303	263	243	234
65°	199	188	171	157	151
75°	100	93	84	78	75
85°	24	23	21	21	20
90°	0	0	0	0	0

Luminance Chart:

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

WALL WASH (AND D1R)

Standard Output:
P40-LED3-SO-AWL-D1W
 3681 Delivered Lumens
 39 Watts
 94 lm/w
 3000 CCT
 Test #32273



Zonal Lumen Summary:
 0-90 (Down) = 100%

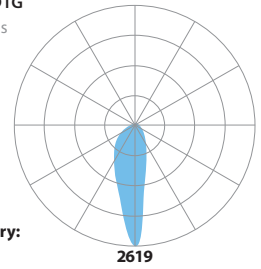
Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	785	785	785	785	785
5°	979	969	920	850	786
15°	1638	1548	1307	1000	763
25°	2136	2065	1742	1147	715
35°	1909	1946	1894	1253	644
45°	1358	1400	1541	1238	548
55°	863	890	991	1000	425
65°	463	491	552	597	276
75°	186	199	236	258	134
85°	39	40	45	50	26
90°	0	0	0	0	0

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

WALL GRAZER

High Output:
P40-LED4-HO-AWW-D1G
 2899 Delivered Lumens
 47.4 Watts
 61 lm/w
 4000 CCT
 Test #31700



Zonal Lumen Summary:
 0-90 (Down) = 100%

Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	2619	2619	2619	2619	2619
5°	2290	2337	2462	2578	2603
15°	1486	1526	1675	2096	2463
25°	1101	1134	1233	1588	2149
35°	787	814	898	1145	1692
45°	559	580	623	792	1141
55°	381	394	432	521	673
65°	255	260	272	311	346
75°	157	153	151	147	146
85°	54	50	47	41	32
90°	0	0	0	0	0

Luminance Chart:

Angle	0°	45°	90°
45°	2948	3146	5954
55°	2567	2725	4312
65°	2407	2505	3170
75°	1342	2333	2237
85°	1993	1993	1518

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

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 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™ 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 1½" 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.
- Weight: 4 lbs / Ft.

MOUNTING

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

WARRANTY

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



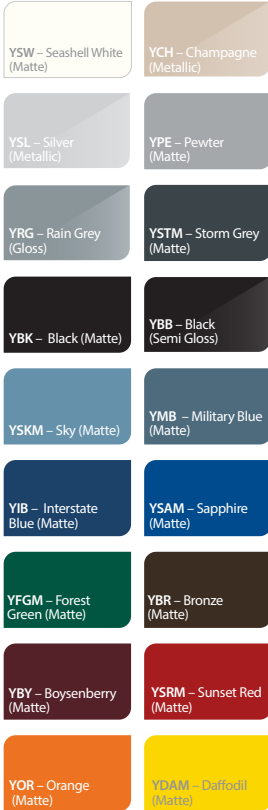
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4" Linear



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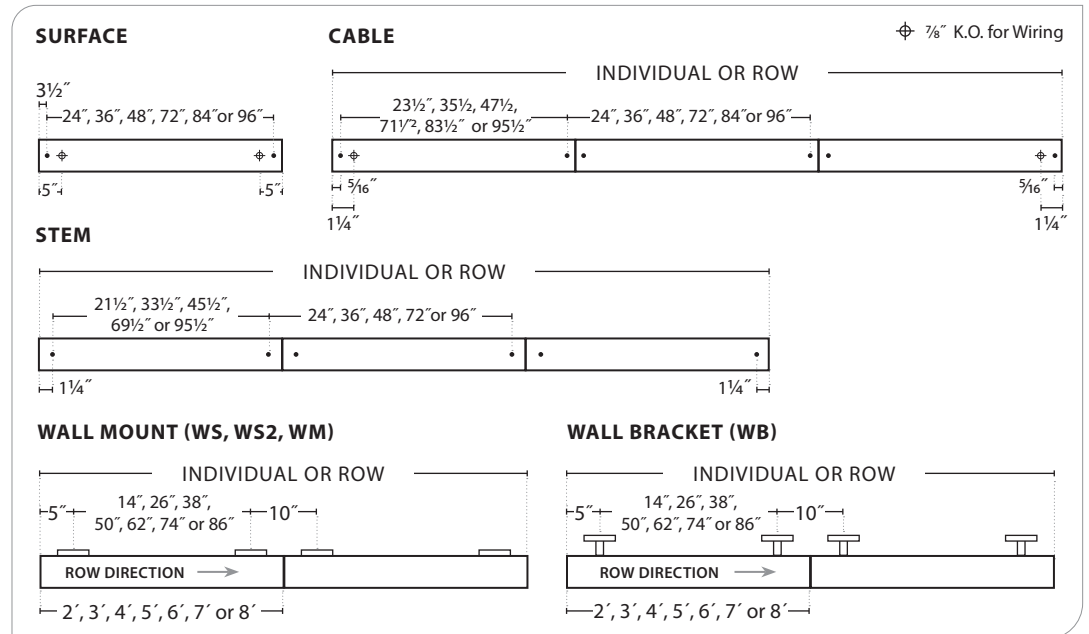
Choose from one of our Premium Colors with no set-up fee.

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

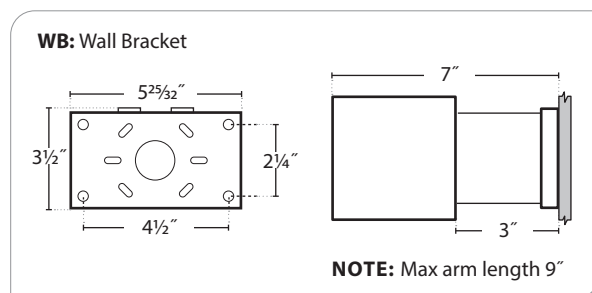
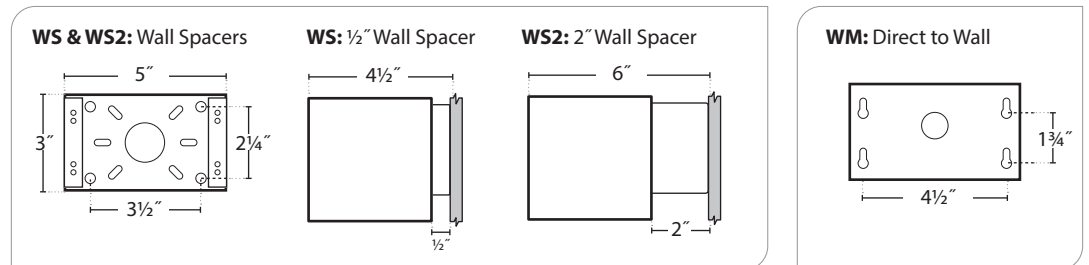


Client | McBride High School Architect | LPA Inc.

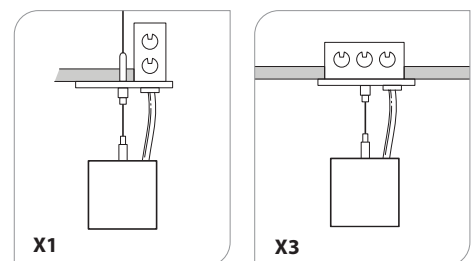
MOUNTING LOCATIONS



WALL MOUNTING



CEILING SYSTEMS





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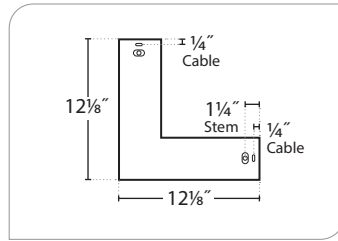
4" Linear



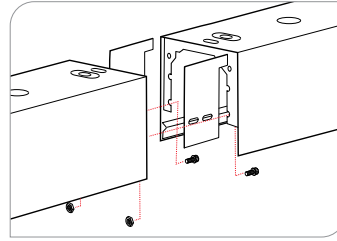
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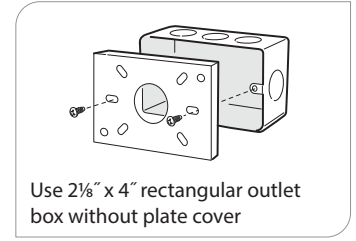
C2: LIT CORNER



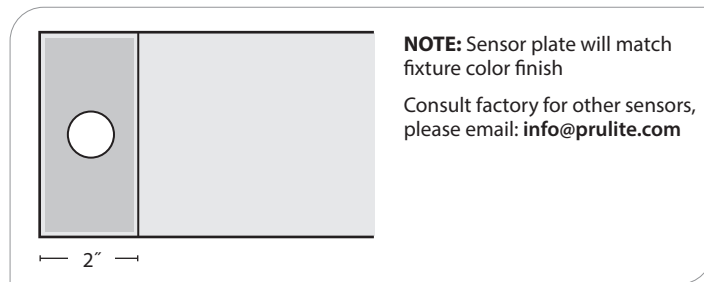
ADJOINING DETAIL



ELECTRICAL OUTLET BOX



CONTROL SENSORS

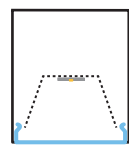


LOUVERS

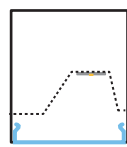


DISTRIBUTION — CROSS SECTIONS

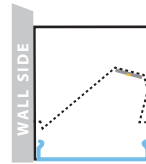
DOWN:



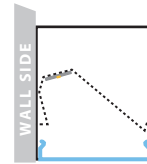
D1 Direct



D1G Wall Grazer

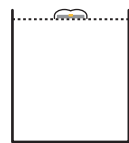


D1W Wall Wash



D1R Perimeter Fill

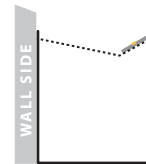
UP:



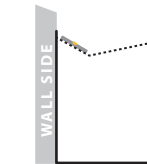
CW Ceiling Wash



SYM Symmetric



ASY-W Wall Side



ASY-R Room Side



ADC Acrylic Dust Cover

NOTE: Down -OR- Up only



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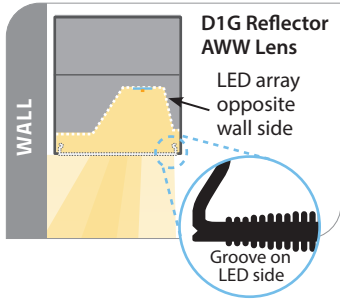
4" Linear



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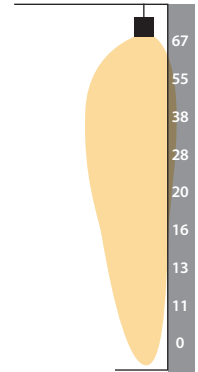
WALL GRAZER ORIENTATION



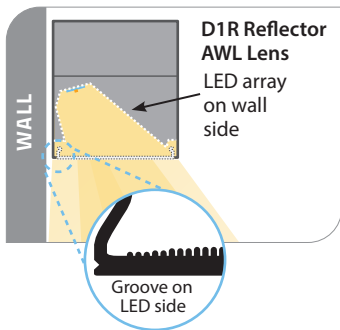
Smooth Wall Grazing.

A tight, focused beam grazes wall textures evenly, accenting and highlighting details to elevate the visual drama.

	Watts/Ft	Ceiling Height	Average Illuminance	Max	Min	Max/Min Ratio
Standard Output - 750 lm/ft	10	9'	40fc	76fc	16fc	4.75



PERIMETER FILL ORIENTATION



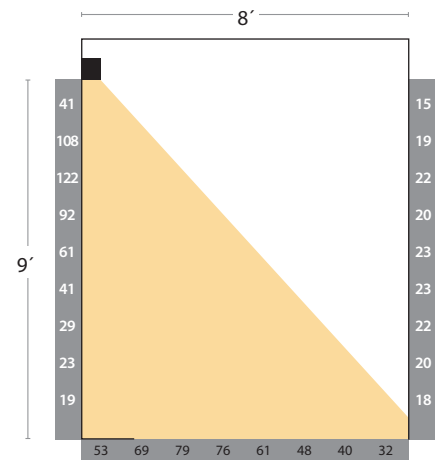
Perimeter Fill.

Fill a Corridor with Light — from the Perimeter.

It's a perimeter optic that washes corridors in light, offering outstanding light distribution, far more energy efficient than typical soft glow solutions and significantly reduces installation cost. Ideal for corridors where budget and energy efficiency conflict with strict IES requirements for high footcandles.

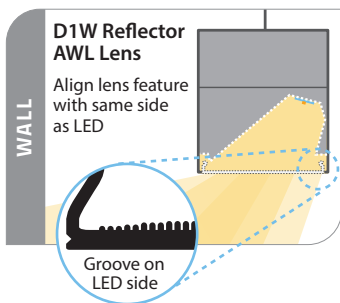
Suspended, surface mounted or recessed, perimeter lighting system.

	Watts/Sq Ft.	Ceiling Height	Average Illuminance	Max/Min	Max/Min Ratio
Standard Output - 875 lm/ft	1.25	9'	57fc	79/32	2.5:1



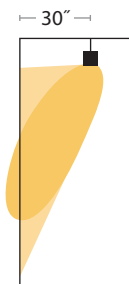
Footcandles along the floor Reflectances 80: 50: 20

WALL WASH ORIENTATION



Wall Washing.

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



	Watts/ Ft.	Ceiling Height	Average Illuminance	Max/Min	Max/Min Ratio
Standard Output - 750 lm/ft	10	9'	40fc	76/16	4.75

Footcandles on Wall

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