

ProTools 60 Linear Downlight

Recessed



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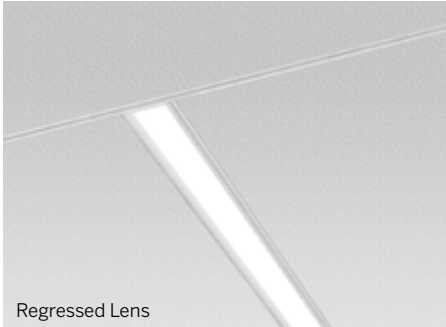
Contents

- 1 overview
- 2 specifications / configurator
- 3 photometry



2.4" aperture recessed linear downlight that offers lensed or louvered optics compatible with all ceiling types for illuminating spaces up to 30' high.

- 2.4" aperture, integrated solution compatible with all ceiling types.
- Standard and tailored run lengths, including corners.
- Downlight inserts for spaces up to 30' high.
- Extreme brightness control and the elimination of disturbing glare.
- Modularity of insert modules for ultimate design flexibility.
- Consistent LED technology throughout the Whitegoods product range.
- Flexible design allows exact wall-to-wall dimensions.
- Flicker-free full range dimming with standard driver (Eldoled).
- Efficacy up to 95 (RML) | 128 (RLW) | 141 (RNO) lumens per watt (delivered) @ 3000K, see photometry page for details.
- L70 (TM21 Projected 85°C) Static White / Tunable White = 50,000 hours.
- ETL and ETL-C for dry and damp location.



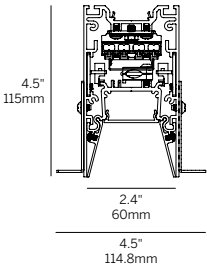
Regressed Lens



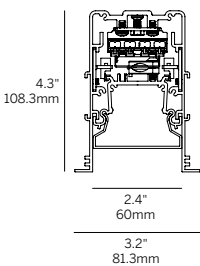
Recessed Louver



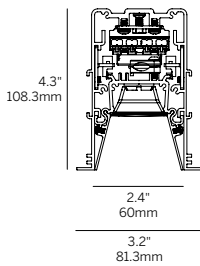
Recessed Lens



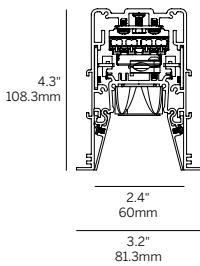
Recessed Micro-prismatic Lens (RML) / Recessed Satin Opal Lens (RSL)



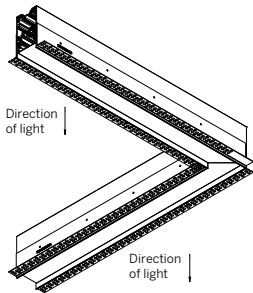
Regressed Opal Lens (ROL)



Recessed Louver (RLW, RLB)



Recessed Narrow Optic (RNO)



Pattern Corner
Minimum Angle 45°
Maximum Angle 180°

Plaster Trim Cutout
Width: 3" / Length: fixture length + 1/2"
Ex: 96" fixture = 96 1/2" cutout length

Bezel Trim Cutout
Width: 2 7/8" / Length: fixture length + 1/8"
Ex: 96" fixture = 96 1/8" cutout length

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Ordering Information

WG-60PTL											
Model	Fixation	Pattern	Length ²	CRI/CCT	Optic ³	Beam	Power ⁴	Driver ⁵	Housing Finish	Reflector Finish	Options
WG-60PTL	RPT RBT RGT9 RGT15 RGTS	S P ¹ PPI ¹ PPO ¹ PZ ¹	24 48 96 XX ³	927 930 935 940 TW1840 TW2765	RML RSL	80	P1 P2 P3 P4	E1 L1 D2DT6 D2DT8	W (std) B S F	W B S F	AWNRF BT CP NYC TF EM
					ROL	105					
					RLW RLB	35 50					
					RNO	30					

Model

- WG-60PTL = ProTools 60 Linear Downlight

Fixation

- RPT = Recessed plaster trim
- RBT = Recessed trim for hard ceiling
- RGT9 = Recessed trim for 9/16" grid
- RGT15 = Recessed trim for 15/16" grid
- RGTS = Recessed trim for slot grid

Pattern

- S = Straight run
- P = Standard patterns 2, 3 or 4 sided with 90° corners on the same plane¹
- PPI = Pattern, Plane to Plane, Inside. 2-3-4 sided pattern with inside corners¹
- PPO = Pattern, Plane to Plane, Outside. 2-3-4 sided pattern with outside corners¹
- PZ = Non-standard patterns and/or corners other than 90° on multiple planes, consult factory¹

Length²

- 24 = 24"
- 48 = 48"
- 96 = 96"
- XX = Specify inches to the nearest 0.25"³

CRI/CCT (90+ CRI)

- 927 = 2700K
- 930 = 3000K
- 935 = 3500K
- 940 = 4000K
- TW1840 = Tunable white 1800K - 4000K
- TW2765 = Tunable white 2700K - 6500K

Optic³

- RML = Recessed micro-prismatic lens
- RSL = Recessed satin opal lens
- ROL = Regressed opal lens
- RLW = Recessed louver white (supplied with white reflectors standard)
- RLB = Recessed louver black (supplied with black reflectors only)
- RNO = Recessed narrow optic

Beam

- 80 = 80° (RML, RSL)
- 105 = 105° (ROL)
- 35 = 35° (RLW, RLB)
- 50 = 50° (RLW, RLB)
- 30 = 30° (RNO)

Power⁴

- P1 = 3 W/ft
- P2 = 6 W/ft
- P3 = 10 W/ft
- P4 = 15 W/ft

Driver (Integral)⁵

- E1 = eldoLED 0.1% dimming, 0-10V (120-277V)
- L1 = Lutron 1% dimming, Ecosystem (120-277V)
- D2DT6 = DALI-2 (DT6) 0.1% dimming (120-277V)
- D2DT8 = DALI-2 (DT8) 0.1% dimming (120-277V) [TW only]

Housing / Trim Finish

- W = White, 15% gloss, RAL 9003 (standard)
- B = Black, 15% gloss, RAL 9005
- S = Silver, 15% gloss, RAL 9006
- F = Custom finished trim, specify RAL

Reflector Finish

- W = White, 15% gloss, RAL 9003 (standard with RLW)
- B = Black, 15% gloss, RAL 9005 (standard with RLB)
- S = Silver, 15% gloss, RAL 9006
- F = Custom finished trim, specify RAL

Options

- AWNRF = Lutron Athena Wireless Node RF (specify with E1, D2DT6 or D2DT8)
- BT = Wireless CAS – Casambi (specify with E1, D2DT6 or D2DT8)
- CP = Chicago Plenum rated, complies with CCEA requirements
- NYC = 6' whip per run
- TF = Top feed
- EM = Emergency

1 See pattern spec sheet.

2 Individual fixture lengths less than 2' may require remote driver.

3 Specify Lensed products to nearest 0.25". Specify Louvered and Tunable White products in 3" increments for continuous light. Louver supplied in 3" increments, balance of the run will have recessed blank covers on ends.

4 See photometric data sheet for delivered lumens.

5 See power supply page for details.

ProTools 60 Linear Downlight

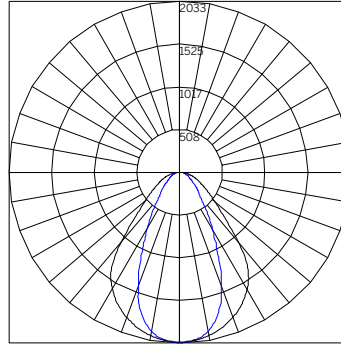
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WG-60PTL-...-RML-80-...-W-W

Delivered Lumens Per Foot

		Power			
		P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
CCT	927	316	593	912	1343
	930	329	617	950	1399
	935	340	640	984	1465
	940	349	657	1010	1504
UGR ¹		20.6	22.7	24.2	25.6



BEAM ANGLE (0-180) = 51.7
BEAM ANGLE (90-270) = 81.8

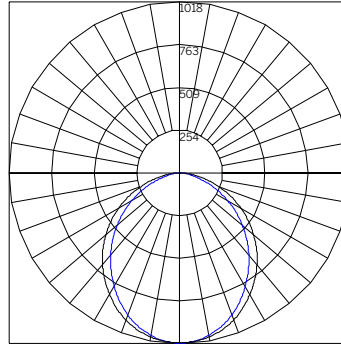
ILLUMINANCE - 24" RML-80 P4 3000K WG-60PTL-...-S-24-930-RML-80-P4-...-W-W²

Mounting Height [ft]	Illuminance [fc at nadir]	Beam Width [ft]
3	226	2.9
6	56	5.8
9	25	8.7
12	14	11.6
15	9	14.5
18	6	17.4
21	5	20.3
24	4	23.2
27	3	26.1
30	2	29.0

WG-60PTL-...-ROL-105-...-W-W

Delivered Lumens Per Foot

		Power			
		P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
CCT	927	289	543	834	1229
	930	301	565	869	1280
	935	312	585	900	1340
	940	320	601	925	1377
UGR ¹		23.9	26.1	27.6	29.0



BEAM ANGLE (0-180) = 97.2
BEAM ANGLE (90-270) = 109

ILLUMINANCE - 24" ROL-105 P4 3000K WG-60PTL-...-S-24-930-ROL-105-P4-...-W-W²

Mounting Height [ft]	Illuminance [fc at nadir]	Beam Width [ft]
3	113	6.8
6	28	13.6
9	13	20.4
12	7	27.2
15	5	34.0
18	3	40.8
21	2	47.6
24	2	54.4
27	1	61.3
30	1	68.1

Power Multiplier

	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
9XX	0.24	0.44	0.68	1.00
TW1840				
1800K	0.15	0.29	0.46	0.65
4000K	0.24	0.47	0.75	1.06
TW2765				
2700K	0.23	0.45	0.71	1.00
6500K	0.24	0.47	0.74	1.05

CCT Multiplier

	927	930	935	940
	0.96	1.00	1.04	1.06

1 UGR value noted is the maximum UGR (crosswise) with 930 LEDs at noted Power level.

2 Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

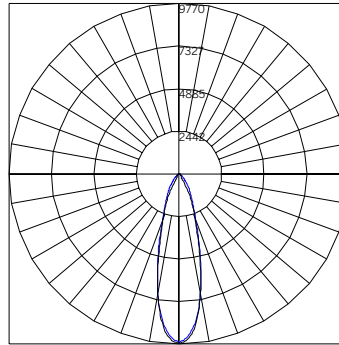
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WG-60PTL-...-RLW-35-...-W-W
Delivered Lumens Per Foot

		Power			
		P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
CCT	927	434	804	1212	1738
	930	448	828	1250	1792
	935	462	854	1288	1846
	940	476	879	1326	1900
UGR ¹		14.6	16.8	18.2	19.6



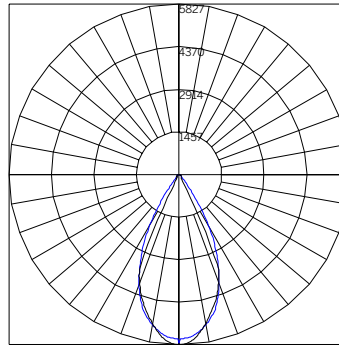
BEAM ANGLE (0-180) = 28.8
BEAM ANGLE (90-270) = 28.2

ILLUMINANCE - 24" RLW-35 P4 3000K
WG-60PTL-...-S-24-930-RLW-35-P4-...-W-W²

Mounting Height [ft]	Illuminance [fc at nadir]	Beam Width [ft]
3	1086	1.5
6	271	3.1
9	121	4.6
12	68	6.2
15	43	7.7
18	30	9.2
21	22	10.8
24	17	12.3
27	13	13.9
30	11	15.4

WG-60PTL-...-RLW-50-...-W-W
Delivered Lumens Per Foot

		Power			
		P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
CCT	927	443	820	1237	1773
	930	457	845	1276	1828
	935	471	872	1314	1883
	940	485	897	1353	1939
UGR ¹		13.6	15.8	17.3	18.6



BEAM ANGLE (0-180) = 51.7
BEAM ANGLE (90-270) = 47.3

ILLUMINANCE - 24" RLW-50 P4 3000K
WG-60PTL-...S--24-930-RLW-50-P4-...-W-W²

Mounting Height [ft]	Illuminance [fc at nadir]	Beam Width [ft]
3	647	2.9
6	162	5.8
9	72	8.7
12	40	11.6
15	26	14.5
18	18	17.4
21	13	20.3
24	10	23.3
27	8	26.2
30	6	29.1

Power Multiplier

	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
9XX	0.25	0.46	0.70	1.00
TW1840				
1800K	0.16	0.31	0.47	0.66
4000K	0.27	0.50	0.77	1.08
TW2765				
2700K	0.25	0.47	0.72	1.02
6500K	0.26	0.49	0.76	1.07

CCT Multiplier

927	930	935	940
0.97	1.00	1.03	1.06

1 UGR value noted is the maximum UGR (crosswise) with 930 LEDs at noted Power level.

2 Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

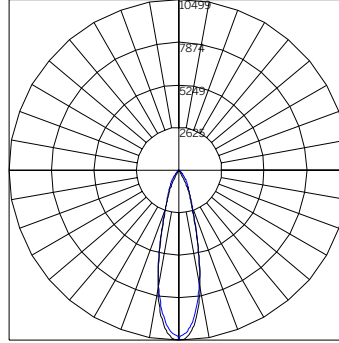
All lumen data shown is for Direct portion only; refer to Indirect photometric page for possible Direct configurations.

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WG-60PTL-...-RLB-35-...-W-B Delivered Lumens Per Foot

		Power			
		P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
CCT	927	371	686	1034	1483
	930	382	707	1067	1529
	935	394	729	1099	1575
	940	406	750	1131	1621
UGR ¹		0.7	2.8	4.3	5.7



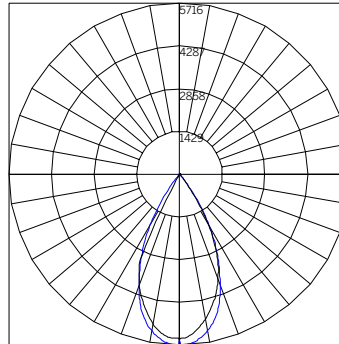
BEAM ANGLE (0-180) = 26.9
BEAM ANGLE (90-270) = 26.9

ILLUMINANCE - 24" RLB-35 P4 3000K WG-60PTL-...-S-24-930-RLB-35-P4-...-W-B²

Mounting Height [ft]	Illuminance [fc at nadir]	Beam Width [ft]
3	1167	1.4
6	292	2.9
9	130	4.3
12	73	5.7
15	47	7.2
18	32	8.6
21	24	10.0
24	18	11.5
27	14	12.9
30	12	14.3

WG-60PTL-...-RLB-50-...-W-B Delivered Lumens Per Foot

		Power			
		P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
CCT	927	442	818	1234	1769
	930	456	843	1273	1824
	935	470	870	1311	1879
	940	484	895	1349	1934
UGR ¹		12.9	15.1	16.6	21.7



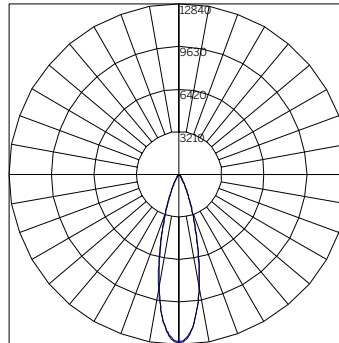
BEAM ANGLE (0-180) = 51.6
BEAM ANGLE (90-270) = 51.7

ILLUMINANCE - 24" RLB-50 P4 3000K WG-60PTL-...-S-24-930-RLB-50-P4-...-W-B²

Mounting Height [ft]	Illuminance [fc at nadir]	Beam Width [ft]
3	635	2.9
6	159	5.8
9	71	8.7
12	40	11.6
15	25	14.5
18	18	17.4
21	13	20.3
24	10	23.2
27	8	26.1
30	6	29.0

WG-60PTL-...-RNO-30-...-W-W Delivered Lumens Per Foot

		Power			
		P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
CCT	927	417	772	1164	1669
	930	430	796	1201	1721
	935	444	820	1237	1773
	940	457	844	1273	1825
UGR ¹		9.6	11.7	13.2	14.6



BEAM ANGLE (0-180) = 26.9
BEAM ANGLE (90-270) = 26.6

ILLUMINANCE - 24" RNO-30 P4 3000K WG-60PTL-...-S-24-930-RNO-30-P4-...-W-W²

Mounting Height [ft]	Illuminance [fc at nadir]	Beam Width [ft]
3	1427	1.4
6	357	2.9
9	159	4.3
12	89	5.7
15	57	7.2
18	40	8.6
21	29	10.0
24	22	11.5
27	18	12.9
30	14	14.4

Power Multiplier

	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
9XX	0.25	0.46	0.70	1.00

TW1840

	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
1800K	0.16	0.31	0.47	0.66
4000K	0.27	0.50	0.77	1.08

TW2765

	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
2700K	0.25	0.47	0.72	1.02
6500K	0.26	0.49	0.76	1.07

CCT Multiplier

	930	935	940
0.97	1.00	1.03	1.06

1 UGR value noted is the maximum UGR (crosswise) with 930 LEDs at noted Power level.

2 Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

All lumen data shown is for Direct portion only; refer to Indirect photometric page for possible Direct configurations.