ProTools 60 Linear Direct/Indirect
Suspended

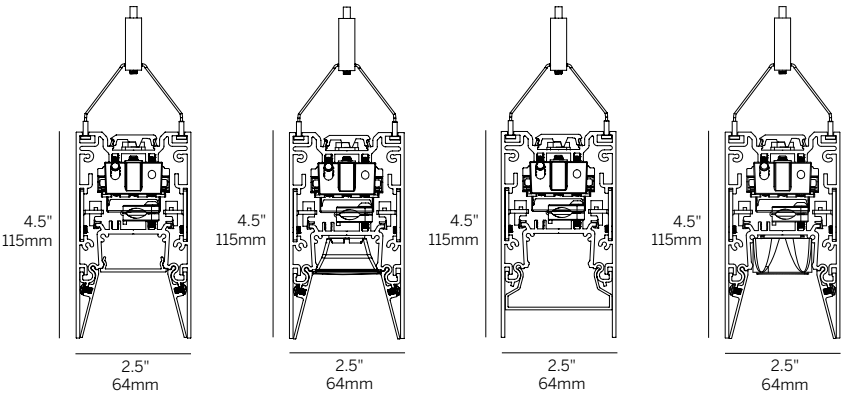
BAA / BABA

inter•lux

Contents

2.4" aperture suspended bi-directional luminaire that offers lensed or louvered optics

- 2.4" aperture, suspended bi-directional luminaire.
- Standard and tailored run lengths, including corner configurations.
- Separately controllable up and down lighting with distribution options.
- Extreme brightness control and the elimination of disturbing glare.
- Modularity of insert modules for ultimate flexibility.
- Consistent LED technology throughout the Whitegoods product range.
- Flicker-free full range dimming with standard driver (Eldoled).
- Efficacy up to 95 (RML) | 128 (RLW) | 141 (RNO) [Direct] and 156 (A) | 163 (W) [Indirect] 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.

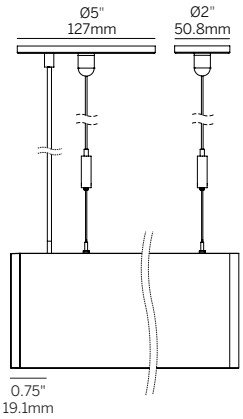


Recessed Micro-prismatic Lens (RML) / Recessed Satin Opal Lens (RSL)

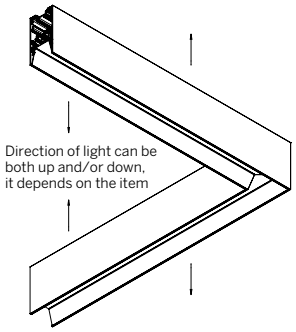
Recessed Louver (RLW, RLB)

Regressed Opal Lens (ROL)

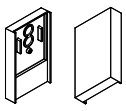
Recessed Narrow Optic (RNO)



Power Feed + Suspension



Minimum Angle 45°
Maximum Angle 180°



End Caps (2 included per run)

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Ordering Information					Direct			Indirect					
WG-60PTLDI													
Model[1]	**Fixation**	**Pattern**	**Length**[2]	**CRI/ CCT**	**Optic**[3]	**Beam**	**Power**[4]	**Optic**[3]	**Power**[4]	**Driver**[5]	**Housing Finish**	**Reflector Finish**	**Options**
WG-60PTLDI	S48 S96 SXX	S P PI[1] PO[1] PZ[1]	24 48 96 XX[3]	927 930 935 940 TW1840 TW2765	RML RSL	80	P1 P2 P3 P4	A W	P1 P2	E1 L1 D2DT6 D2DT8	W (std) B S F	W B S F	AWNRF BT DC EM
					ROL	105							
					RLW RLB	35 50							
					RNO	30							

Model[1]
- WG-60PTLDI = ProTools 60 Linear Direct/Indirect

Fixation
Power suspension w/5" canopy standard. Non-feed suspensions provided with 2" canopy. Max. suspension noted (field adjustable). Suspension cable location(s) are adjustable along fixture length.
- S48 = 48" suspension cable
- S96 = 96" suspension cable
- SXX = Specify suspension cable length to nearest 0.25"

Pattern
- S = Straight run
- P = Standard patterns 2, 3 or 4 sided with 90° corners on the same plane[2]
- PI = Standard patterns 2, 3 or 4 sided with 90° inside corners on the same plane[2]
- PO = Standard patterns 2, 3 or 4 sided with 90° outside corners on the same plane[2]
- PZ = Non-standard patterns and/or corners other than 90° on multiple planes, consult factory[2]

Length[3]
- 24 = 24"
- 48 = 48"
- 96 = 96"
- XX = Specify inches to the nearest 0.25"[4]

CRI/CCT (90+ CRI)
- 927 = 2700K
- 930 = 3000K
- 935 = 3500K
- 940 = 4000K
- TW1840 = Tunable white 1800K - 4000K
- TW2765 = Tunable white 2700K - 6500K

Optic Direct[4]
- 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

Optic Indirect
- A = Asymmetric
- W = Wide (batwing)

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

Power Direct[5]
- P1 = 3 W/ft
- P2 = 6 W/ft
- P3 = 10 W/ft
- P4 = 15 W/ft

Power Indirect Lens (W/A)[5]
- P1 = 3 W/ft
- P2 = 6 W/ft

Driver (Integral)[6]
- 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 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) (Remote)
- DC = Dual circuit
- EM = Emergency

1 To specify Indirect only, leave direct (optic, beam, power) codes blank.
2 See pattern spec sheet.
3 Individual fixture lengths less than 2' may require remote driver.
4 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.
5 See photometric data sheet for delivered lumens.
6 See power supply page for details.

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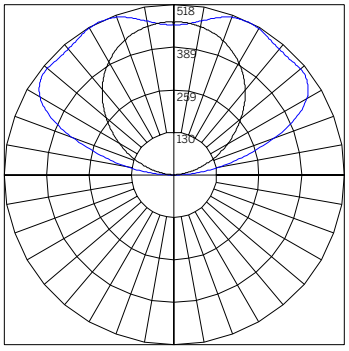
WG-60PTLDI-...-W-...-W
Delivered Lumens Per Foot

		Power			
		P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
CCT	927	470	883	-	-
	930	490	920	-	-
	935	507	953	-	-
	940	520	978	-	-



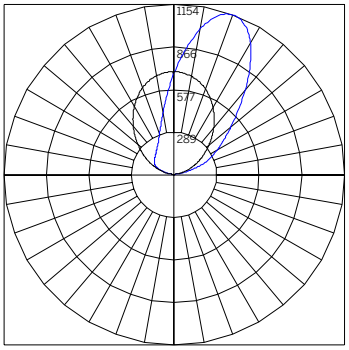
BEAM ANGLE (0-180) = 145.1
BEAM ANGLE (90-270) = 107.2

ILLUMINANCE - 24" WIDE P2 3000K
WG-60PTLDI-...-24-930-...-W-P2-...-W-W[1]

Ceiling Offset [ft]	Illuminance [fc at nadir]	Beam Width [ft]
3	58	19.1
6	14	38.2
9	6	57.3
12	4	76.4
15	2	95.5
18	2	114.6
21	1	133.7
24	1	152.8
27	1	171.9
30	1	191.0

WG-60PTLDI-...-A-...-W
Delivered Lumens Per Foot

		Power			
		P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
CCT	927	478	899	-	-
	930	498	936	-	-
	935	516	969	-	-
	940	529	995	-	-



BEAM ANGLE (0-180) = 85.9
BEAM ANGLE (90-270) = 86

ILLUMINANCE - 24" ASYMMETRIC P2 3000K
WG-60PTLDI-...-24-930-...-A-P2-...-W-W[1]

Ceiling Offset [ft]	Illuminance [fc at nadir]	Beam Width [ft]
3	128	5.6
6	32	11.2
9	14	16.8
12	8	22.4
15	5	27.9
18	4	33.5
21	3	39.1
24	2	44.7
27	2	50.3
30	1	55.9

Power Multiplier				
	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]
9XX	0.53	1.00	-	-
TW1840				
1800K	0.15	0.29	-	-
4000K	0.24	0.47	-	-
TW2765				
2700K	0.23	0.45	-	-
6500K	0.24	0.47	-	-

CCT Multiplier			
927	930	935	940
0.96	1.00	1.04	1.06

1 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 Indirect portion only; refer to Direct photometric page for possible Indirect configurations.

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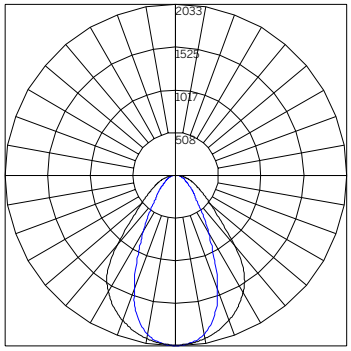
WG-60PTLDI-...-RML-80-...-W-W
Delivered Lumens Per Foot

		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



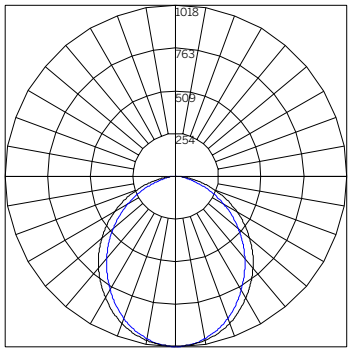
BEAM ANGLE (0-180) = 51.7
BEAM ANGLE (90-270) = 81.8

ILLUMINANCE - 24" RML-80 P4 3000K
WG-60PTLDI-...-S-24-930-RML-80-P4-...-W-W[2]

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-60PTLDI-...-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-60PTLDI-...-S-24-930-ROL-105-P4-...-W-W[2]

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

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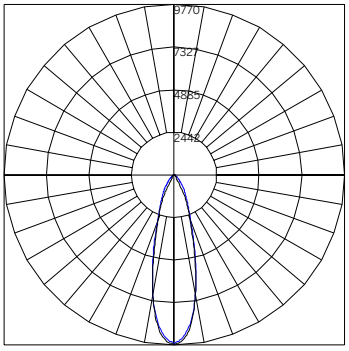
WG-60PTLDI-...-RLW-35-...-W-W
Delivered Lumens Per Foot

		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



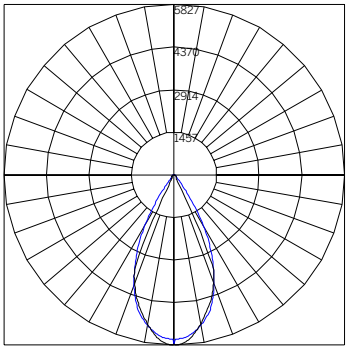
BEAM ANGLE (0-180) = 28.8
BEAM ANGLE (90-270) = 28.2

ILLUMINANCE - 24" RLW-35 P4 3000K
WG-60PTLDI-...-S-24-930-RLW-35-P4-...-W-W[2]

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-60PTLDI-...-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-60PTLDI-...S--24-930-RLW-50-P4-...-W-W[2]

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	23.2
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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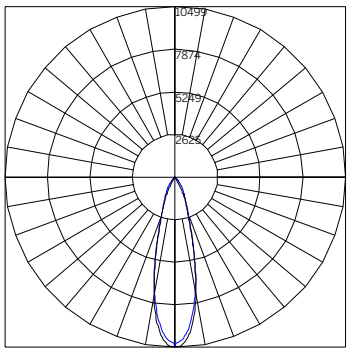
WG-60PTLDI-...-RLB-35-...-W-B
Delivered Lumens Per Foot

		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



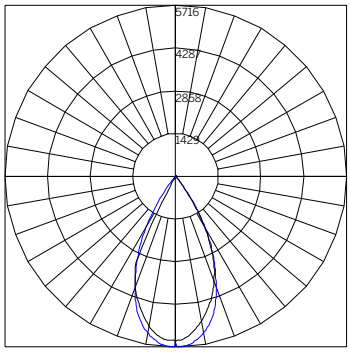
BEAM ANGLE (0-180) = 26.9
BEAM ANGLE (90-270) = 26.9

ILLUMINANCE - 24" RLB-35 P4 3000K
WG-60PTLDI-...-S-24-930-RLB-35-P4-...-W-B[2]

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-60PTLDI-...-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



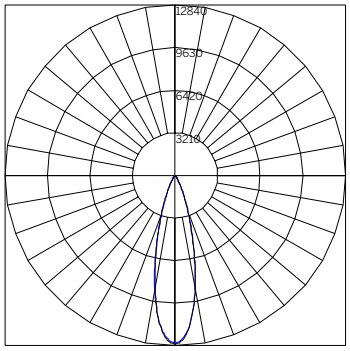
BEAM ANGLE (0-180) = 51.6
BEAM ANGLE (90-270) = 51.7

ILLUMINANCE - 24" RLB-50 P4 3000K
WG-60PTLDI-...-S-24-930-RLB-50-P4-...-W-B[2]

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-60PTLDI-...-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-60PTLDI-...-S-24-930-RNO-30-P4-...-W-W[2]

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				
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.