

100 Linear Downlight

Recessed

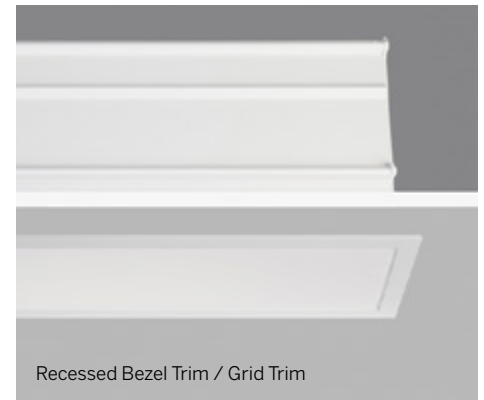
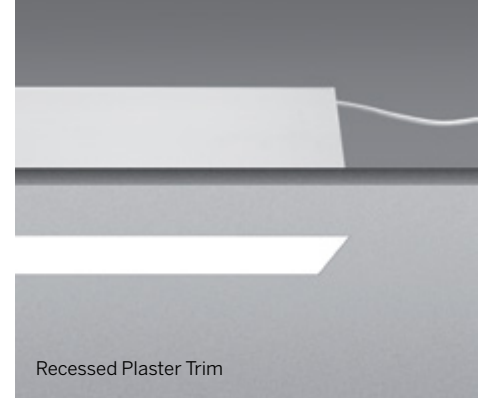


inter•lux



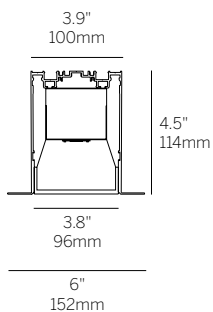
Contents

- 1 overview
- 2 specifications / configurator
- 3 photometry

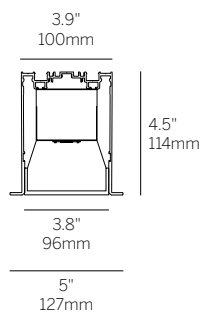


4" aperture recessed linear downlight with flush lens providing high angle illumination compatible with all ceiling types.

- Multiple Fixation options for recessed ceiling / wall applications.
- Continuous, evenly illuminated snap-in opal diffuser for even illumination standard.
- Easily installed internal LED tray assembly with integral driver. Field replaceable LED boards.
- Flicker-free full range dimming with standard driver (eldoLED).
- Efficacy up to 120 lumens per watt (delivered) @ 3000K, see photometry page for details.
- 90+ CRI, 3 steps MacAdam.
- L70 (TM21 Projected 85°C) Static White / Tunable White / RGBW = 50,000 hours.
- ETL and ETL-C for dry and damp location, Chicago Plenum.
- Lengths and angles factory cut to exact field dimensions. Standard and custom corners.
- Powdercoat painted.



Recessed Plaster Trim
(100LDL-RPT)

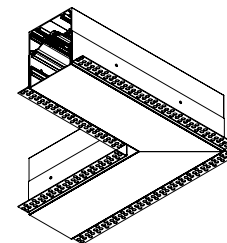


Recessed Bezel Trim / Grid Trim
(100LDL-RBT/RGT)

Cutout Dimensions

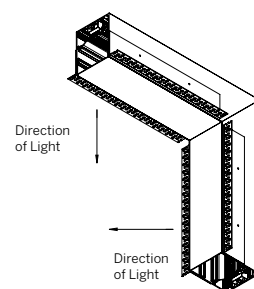
RPT – 4" width / length + ½"

RBT – 4" width / length + ½"

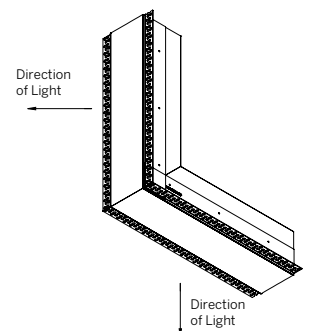


Mitered + Welded Housing
Mitered + Butted Lens

Minimum Angle 45°
Maximum Angle 180°



Plane To Plane
Inside Corner (PPI)



Plane To Plane
Outside Corner (PPO)

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Ordering Information

WG-100LDL							OD		
Model	Fixation	Pattern	Length	Power ²	CRI/CCT ³	Driver ⁴	Lens	Finish	Options
WG-100LDL	RPT RBT RGT9 RGT15 RGTS	S P ¹ PPI ¹ PPO ¹	A A x B A x B x C A x B x A x B	P1 P2 P3 P4 M	927 930 935 940 TW1840 TW2765 RGBW	E1 L1 D2DT6 D2DT8 DMX	OD (std)	W (std) B S F	AWNRF BT CP NYC EM

Model

- WG-100LDL = 100 Linear Downlight

Fixation

- RPT = Recessed plaster trim
- RBT = Recessed bezel 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 = Wall to ceiling / wall to wall, 90° inside corner¹
- PPO = Wall to ceiling / wall to wall, 90° outside corner¹
- PZ = Non-standard patterns and/or corners other than 90° on multiple planes, consult factory¹

Length

- A, B, C = specify inches to the nearest 0.25" (i.e. 72.25").
For patterns specify each length (i.e. 2 sided: A x B = 72.25" x 48";
3 sided: A x B x C; 4 sided: A x B x A x B).

Power²

- P1 = 3 W/ft
- P2 = 6 W/ft
- P3 = 10 W/ft
- P4 = 15 W/ft
- M = 7.6 W/ft (RGBW Only)

CRI/CCT (90+ CRI)³

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

Driver (Integral)⁴

- 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]
- DMX = eldoLED, 24V, DMX Dimming [RGBW ONLY]

Lens

- OD = Satin opal diffuser (standard diffuse)

Finish

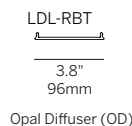
- W = White, 15% gloss, RAL 9010 (standard)
- B = Black, 15% gloss, RAL 9005
- S = Silver, 15% gloss, RAL 9006
- F = Custom finished trim, specify RAL

Options

- AWNR = 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
- EM = Emergency

- 1 See pattern spec sheet.
- 2 Wattage shown does not include power supplies/drivers.
- 3 See photometric data sheet for delivered lumens.
- 4 See power supply page for details.

Lenses/Accessories

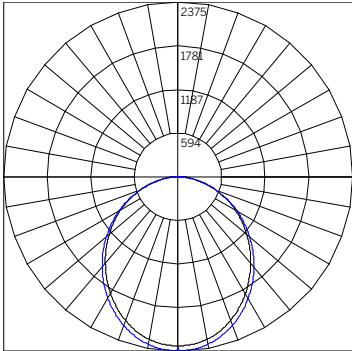


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WG-100LDL-...-OD-W						
Delivered Lumens Per Foot						
		Power				
		P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]	RGBW [7.6 W/ft] ¹
CCT	927	347	652	1003	1477	-
	930	361	679	1044	1538	-
	935	374	703	1082	1611	-
	940	384	722	1111	1654	-
	RGBW ¹	-	-	-	-	274



BEAM ANGLE (0-180) = 103.5
BEAM ANGLE (90-270) = 103.9

ILLUMINANCE - 48" OD P4 3000K		
WG-100LDL-...-S-48-930-P4-...-OD-W ²		
Mounting Height [ft]	Illuminance [fc at max cd]	Beam Width [ft]
2	594	5.1
4	148	10.1
6	66	15.2
8	37	20.3
10	24	25.4
12	16	30.4
14	12	35.5
16	9	40.6
18	7	45.7
20	6	50.7

Power Multiplier					
	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]	RGBW [7.6 W/ft] ¹
9XX/RGBW	0.23	0.43	0.66	1.00	0.17
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	1.05	1.08		

1 RGBW lumen data at maximum output for all colors + white.
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.

