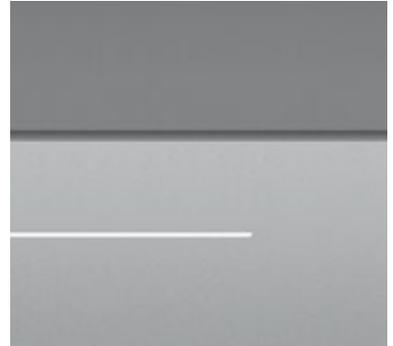


20 Linear Surface



Contents

- 1 overview
- 2 specifications / configurator
- 3 photometry

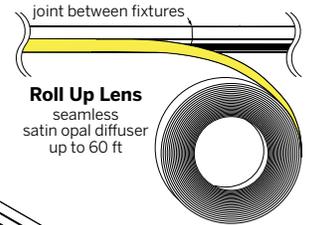


Recessed Plaster Trim (RPT)

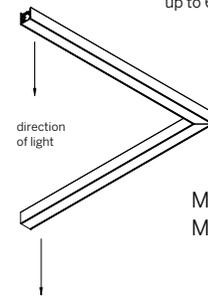
The most versatile lighting tool to deliver general and accent illumination for any indoor application from a 0.7" wide luminaire. Mounts via invisible clip to any surface, toolless mounting to grid ceilings, magnetic and adjustable bracket mounting.

- Surface mounted fixture with very shallow depth for continuous mounting to any length (1/4" increments), as well as standard grid multiples.
- Multiple lenses and louvers for general, accent, decorative and grazing applications.
- Extruded aluminum housing, easily installed. Field maintainable and upgradeable LED and driver without upsetting the ceiling.
- Efficacy up to 94 lumens per watt (delivered) @ 3000K, see photometry page for details.
- 90+ CRI, 3 Step MacAdam (Static White).
- L70 (TM21 Projected 85°C) Static White 60,000 hours, RGBW / Tunable White 50,000 hours, Warm Dim 36,000 hours.
- ETL and ETL-C for dry and damp locations.
- Lengths and angles factory-cut to exact field dimensions. Standard and custom corners.
- Powdercoat painted.

QS Quick Ship Available

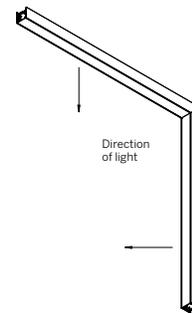


Roll Up Lens
seamless
satin opal diffuser
up to 60 ft

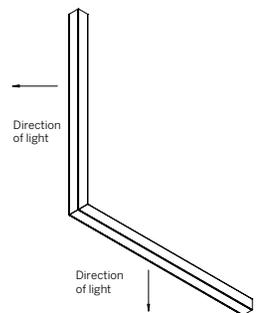


Minimum Angle 30°
Maximum Angle 180°

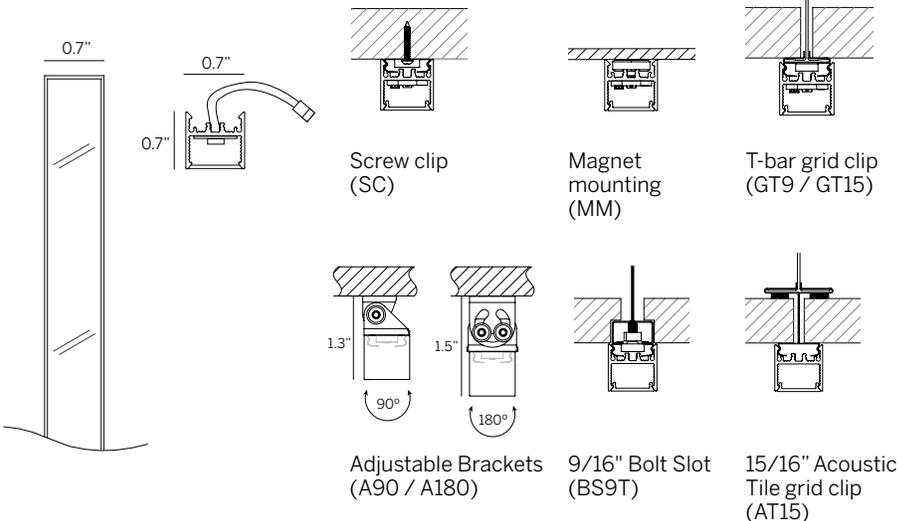
Pattern Corner



Plane To Plane
Inside Corner (PPI)



Plane To Plane
Outside Corner (PPO)



Lenses/Accessories



Ordering Information											
Model	Fixation	Pattern	Length	Power ³	CRI/CCT	Driver ⁵	Lens	Finish	Cable	Options	
WG-20LDL-SM	SC MM GT9 GT15 BS9T A90 A180 AT15	S P ¹ PPI ¹ PPO ¹ PZ ¹	A A x B A x B x C A x B x A x B	L M H P0 P1 P2 P3	927 930 935 940 WD RGBW	X L3D0E S EL96 D010 DALI DPH DMX L3DAE	OD (std) MPL NL16 LL45B ⁶ LL45W ⁶ BDO ⁷ BDC ⁷ ROD ⁷	W (std) B S F	C4 (std) C10 C20 C30	AWNRF BT EM WL ⁸	

Model

- WG-20LDL-SM = 20 Linear Surface

Fixation

- SC = Screw clip
- MM = Magnet mounting
- GT9 = 9/16" T-bar grid clip
- GT15 = 15/16" T-bar grid clip
- BS9T = 9/16" Bolt Slot
- A90 = Adjustable 90° bracket
- A180 = Adjustable 180° bracket
- AT15 = 15/16" Acoustic Tile grid clip

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

- L = 3W/ft low power (WD 2.7 W/ft) (24V)
- M = 6W/ft mid power (WD 5.5 W/ft) (24V)
(RGBW - 7.6 W/ft)
- H = 10W/ft high power (WD 8 W/ft) (24V)
- P0 = 1.5 W/ft
- P1 = 3 W/ft
- P2 = 6 W/ft
- P3 = 10 W/ft

CRI / CCT (90+ CRI minimum)³

- 9927 = 2700K
- 930 = 3000K
- 935 = 3500K
- 940 = 4000K
- WD = Warm Dimming (1800K - 3000K)
- RGBW = 3000K White (M power only)
- TW1840 = Tunable white (1800K - 4000K)⁴
- TW2765 = Tunable white (2700K - 6500K)⁴

Driver (remote)⁵

- X = No driver, ordered separately
- S = Standard, non-dim driver 120-277V
- D010 = eldoLED, 10%, 0-10V dimming, 120-277V
- DPH = Phase Dimming, 1% dimming, 120V only
- L3DAE = Lutron Hi-lume 1% EcoSystem, 120-277V
- L3D0E = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- EL96 = eldoLED / EldoLED, 24V, 0.1% 0-10V Dimming
- DALI = eldoLED DALI (DT6), 0.1% dimming (120-277V)
- DMX = eldoLED, 24V, 0.1% DMX Dimming
- D2DT6 = DALI-2 (DT6), 0.1% dimming (120-277V) [TW only]
- D2DT8 = DALI-2 (DT8), 0.1% dimming (120-277V) [TW only]

Lens

- OD = Satin opal diffuser (standard)
- MPL = Micro-prismatic lens
- NL16 = Linear narrow lens, 16°
- LL45B = Linear louver black⁶
- LL45W = Linear louver white⁶
- BDO = Block diffuser opal⁷
- BDC = Block diffuser clear⁷
- ROD = Round opal diffuser⁷

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

Cables

- C4 = 4' tray cable (plenum rated) (standard)
- C10 = 10' tray cable (plenum rated)
- C20 = 20' tray cable (plenum rated)
- C30 = 30' tray cable (plenum rated)

Options

- AWNRF = Lutron Athena Wireless Node RF (specify with D010, EL96, DALI or D2DT6/D2DT8 for TW)
- BT = Wireless CAS – Casambi (specify with D010, EL96, DALI, DMX or D2DT6/D2DT8 for TW)
- EM = Emergency LED driver (remote only)
- WL = Wet Location Under Canopy / Cover⁸

1 See pattern spec sheet.

2 Wattage shown is for LED boards only, system wattage varies depending on driver selected.

3 See photometric data sheet for delivered lumens.

4 TW LEDs for concealed source applications only.

5 Remote power supply required. See power supply page for details.

6 Louver available in 0.5" increments.

7 Butt seam (lens) when in continuous run, straight runs only. BDO/BDC offered for RBT / RGT only.

8 Wet Location option available for OD / MPL lenses and recessed / surface ceiling applications only.

20 Linear Surface

WG-20LDL-...-OD-W

Delivered Lumens Per Foot

		Power			
		L [3 W/ft]	M [6 W/ft]	H [10 W/ft]	RGBW [7.6 W/ft]
CCT	927	176	352	617	-
	930	192	383	670	-
	935	227	455	796	-
	940	270	540	946	-
	WD ²	135	280	405	-
	RGBW ³	-	-	-	229
UGR ⁴		26.7	29.3	31.1	-

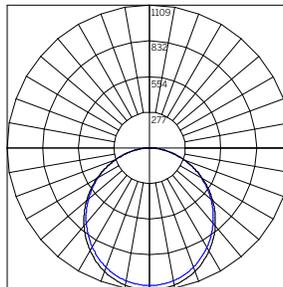
		Power			
		PO [1.5 W/ft]	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]
CCT	TW1840 ⁵	176	352	617	-
	TW2765 ⁵	192	383	670	-

WG-20LDL-...-MPL-W

Delivered Lumens Per Foot

		Power			
		L [3 W/ft]	M [6 W/ft]	H [10 W/ft]	RGBW [7.6 W/ft]
CCT	927	209	418	731	-
	930	227	454	795	-
	935	270	540	944	-
	940	321	641	1122	-
	WD ²	160	332	480	-
	RGBW ³	-	-	-	272
UGR ⁴		26.7	29.3	31.1	-

		Power			
		PO [1.5 W/ft]	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]
CCT	TW1840 ⁵	198	387	718	1105
	TW2765 ⁵	198	378	708	1105

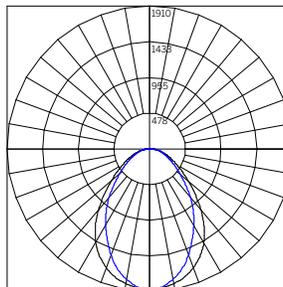


BEAM ANGLE (0-180) = 110.3
BEAM ANGLE (90-270) = 110.4

ILLUMINANCE - 48" OD H 3500K

WG-20LDL-...-S-48-H-935-...-OD-W-...¹

Mounting Height [ft]	Illuminance [fc at max cd]	Beam Width [ft]
2	277	5.7
4	69	11.5
6	31	17.2
8	17	23
10	11	28.7
12	8	34.5
14	6	40.2
16	4	46
18	3	51.7
20	3	57.5



BEAM ANGLE (0-180) = 73.8
BEAM ANGLE (90-270) = 85.5

ILLUMINANCE - 48" MPL H 3500K

WG-20LDL-...-S-48-H-935-...-MPL-W-...¹

Mounting Height [ft]	Illuminance [fc at max cd]	Beam Width [ft]
2	478	3
4	119	6
6	53	9
8	30	12
10	19	15
12	13	18
14	10	21
16	7	24
18	6	27
20	5	30

Power Multiplier				
	L [3 W/ft]	M [6 W/ft]	H [10 W/ft]	RGBW [7.6 W/ft]
9XX/RGBW	0.29	0.57	1.00	0.29
WD	0.17	0.35	0.51	-

Power Multiplier				
	PO [1.5 W/ft]	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]
TW1840	0.21	0.41	0.76	1.17
TW2765	0.21	0.40	0.75	1.17

CCT Multiplier				
	927	930	935	940
	0.77	0.84	1.00	1.19

- 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.
- 2 WD lumen data at maximum output (3000K).
- 3 RGBW lumen data at maximum output with 3000K White LED.
- 4 UGR value noted is the maximum UGR (crosswise) with 935 LEDs / 48" length.
- 5 TW lumen data at maximum output (4000K and 6500K, respectively). TW1840 produces approx. 40% less lumens at 1800K; TW2765 produces approx. 5% less lumens at 2700K.

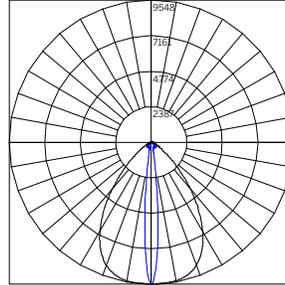
20 Linear Surface

WG-20LDL-...-NL16-W

Delivered Lumens Per Foot

		Power			
		L [3 W/ft]	M [6 W/ft]	H [10 W/ft]	RGBW [7.6 W/ft]
CCT	927	207	414	725	-
	930	225	450	787	-
	935	267	535	936	-
	940	318	635	1112	-
	WD ²	158	329	476	-
	RGBW ³	-	-	-	269
UGR ⁴		26.7	29.3	31.1	-

		Power			
		P0 [1.5 W/ft]	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]
CCT	TW1840 ⁵	196	384	711	1095
	TW2765 ⁵	196	374	702	1095



BEAM ANGLE (0-180) = 10.4
BEAM ANGLE (90-270) = 75.1

ILLUMINANCE - 48" NL16 H 3500K

WG-20LDL-...-S-48-H-935-...-NL16-W-...¹

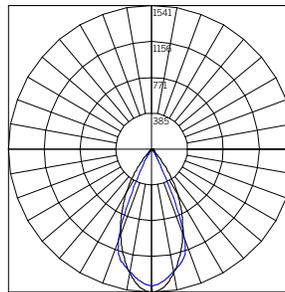
Mounting Height [ft]	Illuminance [fc at max cd]	Beam Width [ft]
2	2387	0.4
4	597	0.7
6	265	1.1
8	149	1.5
10	95	1.8
12	66	2.2
14	49	2.6
16	37	2.9
18	29	3.3
20	24	3.7

WG-20LDL-...-LL45B-W

Delivered Lumens Per Foot

		Power			
		L [3 W/ft]	M [6 W/ft]	H [10 W/ft]	RGBW [7.6 W/ft]
CCT	927	53	107	187	-
	930	58	116	203	-
	935	69	138	241	-
	940	82	164	287	-
	WD ²	41	85	123	-
	RGBW ³	-	-	-	69
UGR ⁴		26.7	29.3	31.1	-

		Power			
		P0 [1.5 W/ft]	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]
CCT	TW1840 ⁵	51	99	184	283
	TW2765 ⁵	51	97	181	283



BEAM ANGLE (0-180) = 45.3
BEAM ANGLE (90-270) = 49.7

ILLUMINANCE - 48" LL45B H 3500K

WG-20LDL-...-S-48-H-935-...-LL45B-W-...¹

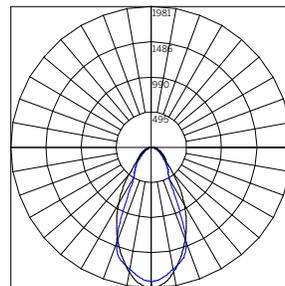
Mounting Height [ft]	Illuminance [fc at max cd]	Beam Width [ft]
2	385	1.7
4	96	3.3
6	43	5
8	24	6.7
10	15	8.4
12	11	10
14	8	11.7
16	6	13.4
18	5	15
20	4	16.7

WG-20LDL-...-LL45W-W

Delivered Lumens Per Foot

		Power			
		L [3 W/ft]	M [6 W/ft]	H [10 W/ft]	RGBW [7.6 W/ft]
CCT	927	115	229	402	-
	930	125	250	437	-
	935	148	297	519	-
	940	176	352	616	-
	WD ²	88	183	264	-
	RGBW ³	-	-	-	149
UGR ⁴		26.7	29.3	31.1	-

		Power			
		P0 [1.5 W/ft]	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]
CCT	TW1840 ⁵	109	213	394	607
	TW2765 ⁵	109	208	389	607



BEAM ANGLE (0-180) = 48.1
BEAM ANGLE (90-270) = 57.3

ILLUMINANCE - 48" LL45W H 3500K

WG-20LDL-...-S-48-H-935-...-LL45W-W-...¹

Mounting Height [ft]	Illuminance [fc at max cd]	Beam Width [ft]
2	495	1.8
4	124	3.6
6	55	5.4
8	31	7.1
10	20	8.9
12	14	10.7
14	10	12.5
16	8	14.3
18	6	16.1
20	5	17.9

Power Multiplier				
	L [3 W/ft]	M [6 W/ft]	H [10 W/ft]	RGBW [7.6 W/ft]
9XX/RGBW	0.29	0.57	1.00	0.29
WD	0.17	0.35	0.51	-

Power Multiplier				
	P0 [1.5 W/ft]	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]
TW1840	0.21	0.41	0.76	1.17
TW2765	0.21	0.40	0.75	1.17

CCT Multiplier				
	927	930	935	940
	0.77	0.84	1.00	1.19

- 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.
- 2 WD lumen data at maximum output (3000K).
- 3 RGBW lumen data at maximum output with 3000K White LED.
- 4 UGR value noted is the maximum UGR (crosswise) with 935 LEDs / 48" length.
- 5 TW lumen data at maximum output (4000K and 6500K, respectively). TW1840 produces approx. 40% less lumens at 1800K; TW2765 produces approx. 5% less lumens at 2700K.

20 Linear Surface

WG-20LDL-...-BDO-W

Delivered Lumens Per Foot

		Power			
		L [3 W/ft]	M [6 W/ft]	H [10 W/ft]	RGBW [7.6 W/ft]
CCT	927	219	438	767	-
	930	239	477	834	-
	935	283	566	991	-
	940	336	673	1177	-
	WD ²	168	349	504	-
	RGBW ³	-	-	-	285
UGR ⁴		26.7	29.3	31.1	-

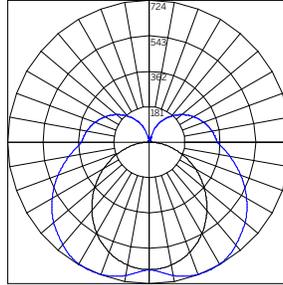
		Power			
		PO [1.5 W/ft]	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]
CCT	TW1840 ⁵	208	406	753	1159
	TW2765 ⁵	208	396	743	1159

WG-20LDL-...-ROD-W

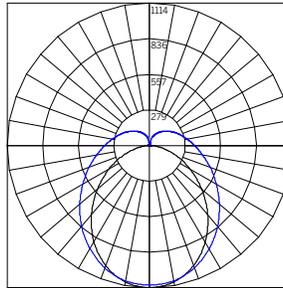
Delivered Lumens Per Foot

		Power			
		L [3 W/ft]	M [6 W/ft]	H [10 W/ft]	RGBW [7.6 W/ft]
CCT	927	248	497	870	-
	930	271	540	945	-
	935	321	642	1123	-
	940	381	763	1335	-
	WD ²	190	395	571	-
	RGBW ³	-	-	-	323
UGR ⁴		26.7	29.3	31.1	-

		Power			
		PO [1.5 W/ft]	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]
CCT	TW1840 ⁵	236	461	854	1314
	TW2765 ⁵	236	449	842	1314



BEAM ANGLE (0-180) = 174.7
BEAM ANGLE (90-270) = 107.8



BEAM ANGLE (0-180) = 97.2
BEAM ANGLE (90-270) = 130.1

ILLUMINANCE - 48" BDO H 3500K

WG-20LDL-...-S-48-H-935-...-BDO-W-...¹

Mounting Height [ft]	Illuminance [fc at max cd]	Beam Width [ft]
2	181	86.3
4	45	172.5
6	20	258.8
8	11	345
10	7	431.3
12	5	517.6
14	4	603.8
16	3	690.1
18	2	776.3
20	2	862.6

ILLUMINANCE - 48" ROD H 3500K

WG-20LDL-...-S-48-H-935-...-ROD-W-...¹

Mounting Height [ft]	Illuminance [fc at max cd]	Beam Width [ft]
2	279	4.5
4	70	9.1
6	31	13.6
8	17	18.2
10	11	22.7
12	8	27.2
14	6	31.8
16	4	36.3
18	3	40.8
20	3	45.4

Power Multiplier

	L [3 W/ft]	M [6 W/ft]	H [10 W/ft]	RGBW [7.6 W/ft]
9XX/RGBW	0.29	0.57	1.00	0.29
WD	0.17	0.35	0.51	-

Power Multiplier

	PO [1.5 W/ft]	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]
TW1840	0.21	0.41	0.76	1.17
TW2765	0.21	0.40	0.75	1.17

CCT Multiplier

	927	930	935	940
	0.77	0.84	1.00	1.19

- 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.
- 2 WD lumen data at maximum output (3000K).
- 3 RGBW lumen data at maximum output with 3000K White LED.
- 4 UGR value noted is the maximum UGR (crosswise) with 935 LEDs / 48" length.
- 5 TW lumen data at maximum output (4000K and 6500K, respectively). TW1840 produces approx. 40% less lumens at 1800K; TW2765 produces approx. 5% less lumens at 2700K.