

# 20 Linear Wand



# inter•lux



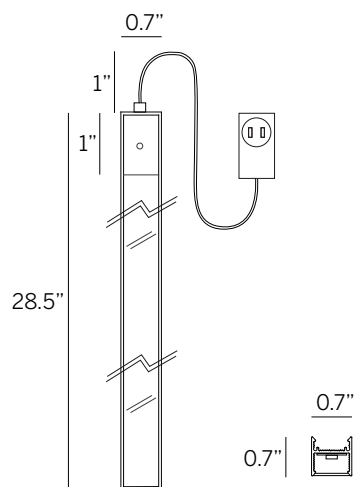
## Contents

- 1 overview
- 2 specifications / configurator
- 3 photometry



**20 Linear family mock up / sample tool with Opal Diffuser for even illumination and no LED appearance. On / Off switch with 118" cable and plug, standard.**

- Multiple lens options for diffuse, high efficiency and luminous effect.
- Efficacy up to 80 lumens per watt (delivered) @ 3000K, see photometry page for details.
- 90+ CRI, 3 Step MacAdam (Static White).
- L70 (TM21 Projected 85C) Static White 60,000 hours.
- ETL and ETL-C for dry and damp locations.
- On / Off switch with 118" cable and plug, standard.
- Field replaceable LED boards.
- White finish standard.



Total Length includes 1" for switch.  
1" clearance required for cable.

Ordering Information								
Model	Fixation	Pattern	Length	Power <sup>1</sup>	CRI/CCT	Driver <sup>2</sup>	Lens	Finish
WG-WAND	MM	S	28.5	M		S		W
WG-WAND	MM	S	28.5	M	927 930 935 940	S	OD (std) MPL NL16 LL45B LL45W BDO BDC	W (std)

### Model

- WG-WAND = 20 Linear Wand

### Fixation

- MM = Magnetic mounting

### Pattern

- S = Straight run

### Length

Total length includes 1" for switch, requires 1" clearance for cable

- 28.5 = 28.5"

### Power<sup>1</sup>

- M = 6W/ft mid power (24V)

### CRI / CCT (90+ CRI minimum)

- 9927 = 2700K
- 930 = 3000K
- 935 = 3500K
- 940 = 4000K

### Driver (plug-in)<sup>2</sup>

- S = Standard driver 120 - 240V, 50 - 60 Hz

### Lens

- OD = Satin opal diffuser (standard)
- MPL = Micro-prismatic lens
- NL16 = Linear narrow lens, 16°
- LL45B = Linear louver black
- LL45W = Linear louver white
- BDO = Block Diffuser Opal
- BDC = Block Diffuser Clear

### Finish

- W = White, 15% gloss, RAL 9010 (standard)

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

2 24V fixture supplied complete with individual socket mount power supply 120-240V, 50-60 Hz and feed cable.

### Lenses/Accessories



Opal Diffuser (OD)  
Micro-prismatic Lens (MPL)



Narrow Lens (NL16)



Louver (LL45)



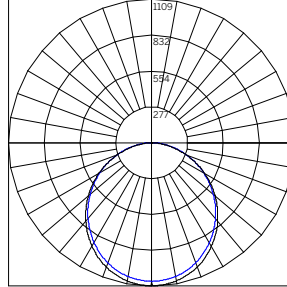
Block Diffuser (BD)

# 20 Linear Wand

## 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 <sup>2</sup>	135	280	405	-
	RGBW <sup>3</sup>	-	-	-	229
UGR <sup>4</sup>		26.7	29.3	31.1	-



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

## ILLUMINANCE - 48" OD H 3500K

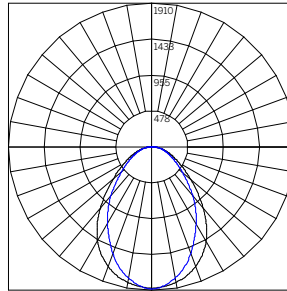
WG-20LDL-...-S-48-H-935-...-OD-W-...<sup>1</sup>

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

## 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 <sup>2</sup>	160	332	480	-
	RGBW <sup>3</sup>	-	-	-	272
UGR <sup>4</sup>		26.3	28.9	30.7	-



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

## ILLUMINANCE - 48" MPL H 3500K

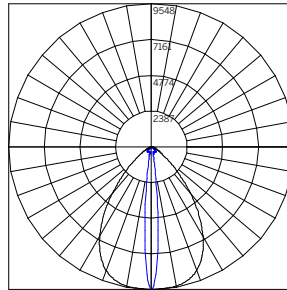
WG-20LDL-...-S-48-H-935-...-MPL-W-...<sup>1</sup>

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

## 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 <sup>2</sup>	158	329	476	-
	RGBW <sup>3</sup>	-	-	-	269
UGR <sup>4</sup>		17.8	20.3	22.1	-



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-...<sup>1</sup>

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

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	-
CCT Multiplier				
	927	930	935	940
	0.77	0.84	1.00	1.19

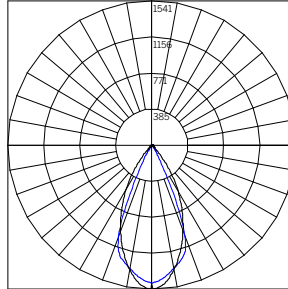
- 1 Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.
- 2 WD lumen data at maximum output (3000K).
- 3 RGBW lumen data at maximum output with 3000K White LED.
- 4 UGR value noted is the maximum UGR (crosswise) with 935 LEDs / 48" length.

# 20 Linear Wand

## 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 <sup>2</sup>	41	85	123	-
	RGBW <sup>3</sup>	-	-	-	69
UGR <sup>4</sup>		0.0	0.0	0.0	-



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

## ILLUMINANCE - 48" LL45B H 3500K

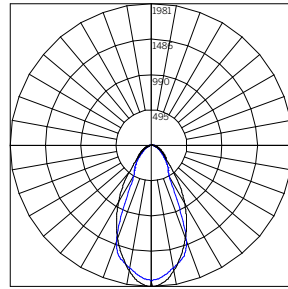
WG-20LDL-...-S-48-H-935-...-LL45B-W-...<sup>1</sup>

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 <sup>2</sup>	88	183	264	-
	RGBW <sup>3</sup>	-	-	-	149
UGR <sup>4</sup>		21.6	24.1	25.9	-



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

## ILLUMINANCE - 48" LL45W H 3500K

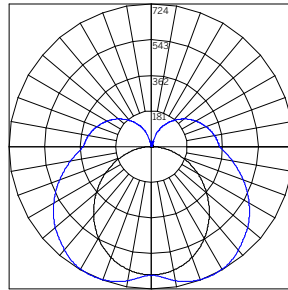
WG-20LDL-...-S-48-H-935-...-LL45W-W-...<sup>1</sup>

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

## 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 <sup>2</sup>	168	349	504	-
	RGBW <sup>3</sup>	-	-	-	285
UGR <sup>4</sup>		31.5	34	35.8	-



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

## ILLUMINANCE - 48" BDO H 3500K

WG-20LDL-...-S-48-H-935-...-BDO-W-...<sup>1</sup>

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

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	-
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.