

20 Linear Suspended



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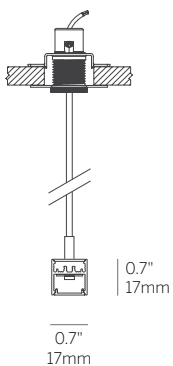
- 1 overview
- 2 specifications / configurator
- 3 photometry



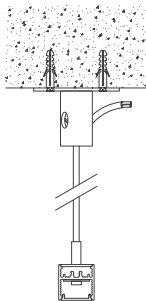
Miniature suspended downlight for general, accent and decorative lighting. Power suspensions with small ceiling canopies.

QS Quick Ship Available

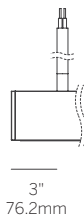
- Suspended fixture with minimal housing for continuous mounting to any desired length (1/4" increments).
- Multiple lens options for diffuse, high efficiency and luminous effect.
- Extruded aluminum housing, easily installed. Field maintainable and upgradeable LED and driver without upsetting the ceiling.
- 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, 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.



Gypsum / Tile Ceiling



Solid Ceiling



Power Feed

Ordering Information									
Model	Fixation	Pattern	Length	Power ¹	CRI/CCT ²	Driver ³	Lens	Finish	Options
WG-20LDL		S							
WG-20LDL	S48 (std) S96	S	A	L M H	927 930 935 940 WD	X S D010 DPH L3DAE L3DOE EL96 DALI	OD (std) MPL NL16 LL45B ⁴ LL45W ⁴ BDO ⁵ BDC ⁵ ROD ⁵	W (std) B S F	AWNRF BT 5C EM

Model

- WG-20LDL-S = 20 Linear Suspended

Fixation

- S48 = 48" suspension cable standard, field-cuttable (standard)
- S96 = 96" suspension cable, field-cuttable (above 60" additional suspension added)

Pattern

- S = Straight run (individual fixtures only, for other configurations see WG-20LDI)

Length

- A = specify inches to the nearest 0.25" (i.e. 71.75") (72" max length)

Power¹

- L = 3W/ft low power (WD 2.7 W/ft) (24V)
- M = 6W/ft mid power (WD 5.5 W/ft) (24V)
- H = 10W/ft high power (WD 8 W/ft) (24V)

CRI / CCT (90+ CRI minimum)²

- 927 = 2700K
- 930 = 3000K
- 935 = 3500K
- 940 = 4000K
- WD = Warm Dimming (1800K - 3000K)

Driver (remote)³

- 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
- L3DOE = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- EL96 = eldoLED, 24V, 0.1% 0-10V Dimming
- DALI = eldoLED DALI (DT6), 0.1% dimming (120-277V)

Lens

- OD = Satin opal diffuser (standard)
- MPL = Micro-prismatic lens
- NL16 = Linear narrow lens, 16°
- LL45B = Linear louver black⁴
- LL45W = Linear louver white⁴
- BDO = Block Diffuser Opal⁵
- BDC = Block Diffuser Clear⁵
- ROD = Round opal diffuser⁵

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

- AWNRF = Lutron Athena Wireless Node RF (specify with D010, EL96, or DALI)
- BT = Wireless CAS – Casambi (specify with D010, EL96, or DALI)
- 5C = 5" canopy (use with 4" Jbox)
- EM = Emergency LED driver (remote only)

- 1 Wattage shown is for LED boards only, system wattage varies depending on driver selected.
- 2 See photometric data sheet for delivered lumens.
- 3 Remote power supply required. See power supply page for details.
- 4 Louver available in 0.5" increments, straight runs only.
- 5 Butt seam (lens) when in continuous run, straight runs only.

Lenses/Accessories



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



Narrow Lens (NL16)



Louvers (LL45)



Block Diffuser (BD)



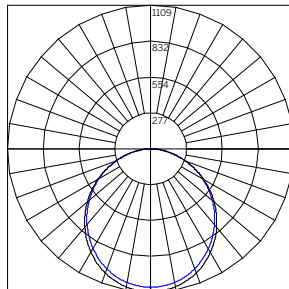
Round Opal Diffuser (ROD)

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

Delivered Lumens Per Foot

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



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

ILLUMINANCE - 48" OD H 3500K

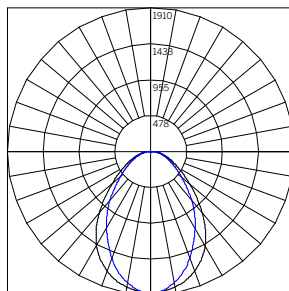
WG-20LDL-...-S-48-H-935-...-OD-W-...¹

Mounting Height [ft]	Illuminance [fc at max cd]	Beam Width [ft]
2	227	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]
CCT	927	209	418	731
	930	227	454	795
	935	270	540	944
	940	321	641	1122
	WD ²	160	332	480
UGR ³		26.3	28.9	30.7



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

ILLUMINANCE - 48" MPL H 3500K

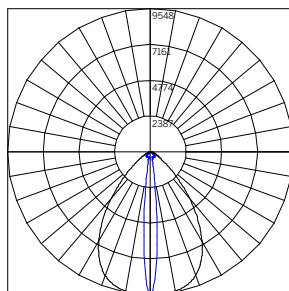
WG-20LDL-...-S-48-H-935-...-MPL-W-...¹

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

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

Delivered Lumens Per Foot

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

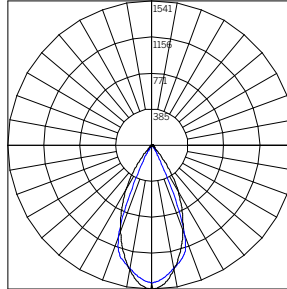
Power Multiplier			
	L [3 W/ft]	M [6 W/ft]	H [10 W/ft]
9XX	0.29	0.57	1.00
WD	0.17	0.35	0.51
CCT Multiplier			
	927	930	935
	0.77	0.84	1.00

- 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 UGR value noted is the maximum UGR (crosswise) with 935 LEDs / 48" length.

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WG-20LDL-...-LL45B-W Delivered Lumens Per Foot

		Power		
		L [3 W/ft]	M [6 W/ft]	H [10 W/ft]
CCT	927	53	107	187
	930	58	116	203
	935	69	138	241
	940	82	164	287
	WD ²	41	85	123
UGR ³		0.0	0.0	0.0



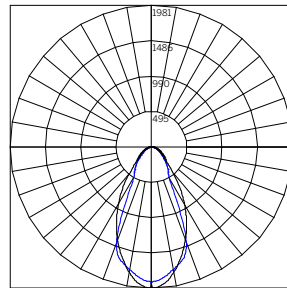
BEAM ANGLE (0-180) = 45.3
BEAM ANGLE (90-270) = 49.7

ILLUMINANCE - 48" LL45B H 3500K WG-20LDL-...-S-48-H-935-...-LL45B-W-...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]
CCT	927	115	229	402
	930	125	250	437
	935	148	297	519
	940	176	352	616
	WD ²	88	183	264
UGR ³		21.6	24.1	25.9



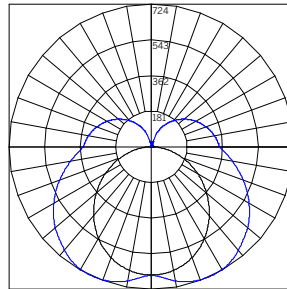
BEAM ANGLE (0-180) = 48.1
BEAM ANGLE (90-270) = 57.3

ILLUMINANCE - 48" LL45W H 3500K WG-20LDL-...-S-48-H-935-...-LL45W-W-...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

WG-20LDL-...-BDO-W Delivered Lumens Per Foot

		Power		
		L [3 W/ft]	M [6 W/ft]	H [10 W/ft]
CCT	927	219	438	767
	930	239	477	834
	935	283	566	991
	940	336	673	1177
	WD ²	168	349	504
UGR ³		31.5	34	35.8



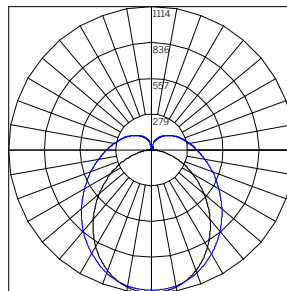
BEAM ANGLE (0-180) = 174.7
BEAM ANGLE (90-270) = 107.8

ILLUMINANCE - 48" BDO H 3500K WG-20LDL-...-S-48-H-935-...-BDO-W-...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

WG-20LDL-...-ROD-W Delivered Lumens Per Foot

		Power		
		L [3 W/ft]	M [6 W/ft]	H [10 W/ft]
CCT	927	248	497	870
	930	271	540	945
	935	321	642	1123
	940	381	763	1335
	WD ²	190	395	571
UGR ³		30.8	33.4	35.2



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

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]
9XX	0.29	0.57	1.00
WD	0.17	0.35	0.51

CCT Multiplier			
	927	930	935
	0.77	0.84	1.00

- 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 UGR value noted is the maximum UGR (crosswise) with 935 LEDs / 48" length.