

20 Linear Direct/Indirect Surface Wall



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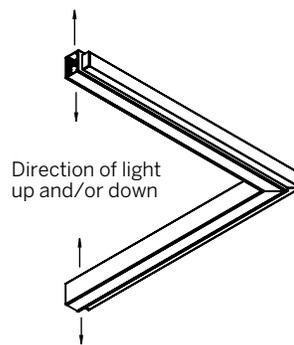
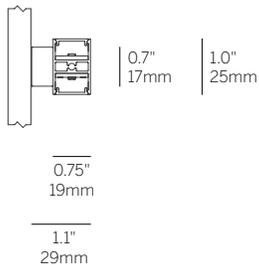
- 1 overview
- 2 specifications / configurator
- 3 photometry



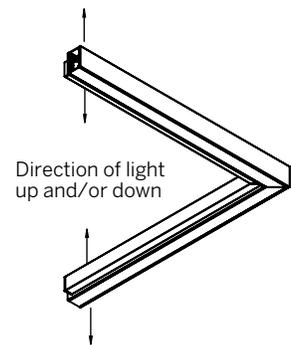
Miniature wall-mounted Direct, Indirect or Direct / Indirect for perimeter lighting.

QS Quick Ship Available

- Wall mounted fixture with minimal housing for continuous mounting to any desired length (1/4" increments).
- Multiple lenses for general, accent, decorative and grazing application.
- Extruded aluminum housing, easily installed. Field maintainable and upgradeable LED and driver without upsetting the ceiling.
- Efficacy up to 79 (Direct) | 94 (Indirect) 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, RGBW 50,000 hours, WD 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.



Pattern Inside (PI)



Pattern Outside (PO)

Ordering Information

| Model | Fixation | Pattern | Length | Direct | | | | Indirect | | | | Finish | Options |
|--------------------------|----------|---|--|--------------------|--|--|-------------------------|--------------------|--|--|----------------|------------------------|-------------------------|
| | | | | Power ² | CRI/CCT ³ | Driver ⁴ | Lens | Power ² | CRI/CCT ³ | Driver ⁴ | Lens | | |
| | | | | | | | | | | | | | |
| WG-20LDI direct/indirect | SW | S PI ¹ PO ¹ | A A x B A x B x C A x B x A x B | L M H | 927 930 935 940 WD RGBW | X S D010 DPH L3DAE L3DOE EL96 DALI DMX | OD (std) MPL NL16 | L M H | 927 930 935 940 WD RGBW | X S D010 DPH L3DAE L3DOE EL96 DALI DMX | OD (std) SD | W (std) B S F | AWNRF BT DC EM |

Model

- WG-20LDI = 20 Linear Direct/Indirect Surface Wall Mount
- WG-20LD = 20 Linear Direct Surface Wall Mount
- WG-20LI = 20 Linear Indirect Surface Wall Mount

Fixation

- SW = Surface wall mount

Pattern

- S = Straight run
- PI = Standard patterns 2, 3 or 4 sided with 90° inside corners on the same plane¹
- PO = Standard patterns 2, 3 or 4 sided with 90° outside corners on the same plane¹

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)

CRI / CCT (90+ CRI minimum)³

- 927 = 2700K
- 930 = 3000K
- 935 = 3500K
- 940 = 4000K
- WD = Warm Dimming (1800K - 3000K)
- RGBW = 3000K White (M power only)

Driver (remote)⁴

- 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)
- DMX = eldoLED, 24V, 0.1% DMX Dimming

Lens

- OD = Satin opal diffuser (standard)
- SD = Satin clear diffuser
- MPL = Micro-prismatic lens
- NL16 = Linear narrow lens, 16°

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, DALI or DMX)
- DC = Dual circuit
- EM = Emergency (remote)

- 1 See pattern spec sheet.
- 2 Wattage is shown for LED boards only, system wattage varies depending on driver selected. Maximum combined wattage for Direct + Indirect shall not exceed 13 W/ft.
- 3 When specifying 20LDI please specify CRI / CCT and Driver for Direct and Indirect if different CRI / CCT / Driver is needed, i.e. 930-M-OD-D010-RGBW-M-SD-DMX. See photometric data sheet for delivered lumens.
- 4 Remote power supply required. See power supply page for details.

Lenses/Accessories



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



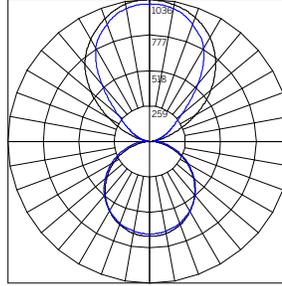
Narrow Lens (NL16)

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DIRECT / INDIRECT

WG-20LDI-...-M-...-OD-M-...-SD
Delivered Lumens Per Foot

| | | Power | | | |
|------------------|-------------------|------------|------------|-------------|-----------------|
| | | L [3 W/ft] | M [6 W/ft] | H [10 W/ft] | RGBW [7.6 W/ft] |
| CCT | 927 | 419 | 838 | - | - |
| | 930 | 456 | 911 | - | - |
| | 935 | 540 | 1082 | - | - |
| | 940 | 643 | 1285 | - | - |
| | WD ² | 160 | 333 | 482 | - |
| | RGBW ³ | - | - | - | 272 |
| UGR ⁴ | | 24.3 | 26.8 | - | - |



BEAM ANGLE (0-180) = 82.8
BEAM ANGLE (90-270) = 106.8

ILLUMINANCE - 48" OD/SD M 3500
WG-20LDI-...-S-48-M-935-...-OD-M-935-...-SD-W¹

| Mounting Height [ft] | Illuminance [fc at max cd] | Beam Width [ft] |
|----------------------|----------------------------|-----------------|
| 2 | 259 | 3.5 |
| 4 | 65 | 7.1 |
| 6 | 29 | 10.6 |
| 8 | 16 | 14.1 |
| 10 | 10 | 17.6 |
| 12 | 7 | 21.2 |
| 14 | 5 | 24.7 |
| 16 | 4 | 28.2 |
| 18 | 3 | 31.7 |
| 20 | 3 | 35.3 |

| Power Multiplier | | | | |
|------------------|------------|------------|-------------|-----------------|
| | L [3 W/ft] | M [6 W/ft] | H [10 W/ft] | RGBW [7.6 W/ft] |
| 9XX/RGBW | 0.5 | 1.00 | - | - |
| WD | 0.30 | 0.62 | - | - |

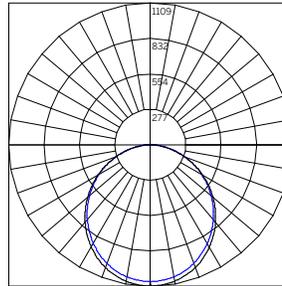
| CCT Multiplier | | | | |
|----------------|------|------|------|------|
| | 927 | 930 | 935 | 940 |
| | 0.77 | 0.84 | 1.00 | 1.19 |

- 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.

DIRECT

WG-20LD-...-OD-X-XXX-X-XX-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 |



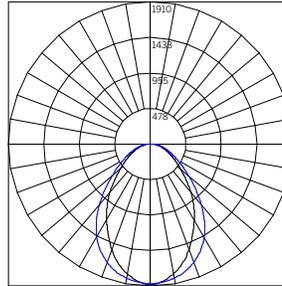
BEAM ANGLE (0-180) = 110.3
BEAM ANGLE (90-270) = 110.4

ILLUMINANCE - 48" OD H 3500K
WG-20LD-...-S-48-H-935-...-OD-X-XXX-X-XX-W¹

| 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-20LD-...-MPL-X-XXX-X-XX-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 |



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

ILLUMINANCE - 48" MPL H 3500K
WG-20LD-...-S-48-H-935-...-MPL-X-XXX-X-XX-W¹

| Mounting Height [ft] | Illuminance [fc at max cd] | Beam Width [ft] |
|----------------------|----------------------------|-----------------|
| 2 | 478 | 3.7 |
| 4 | 119 | 7.4 |
| 6 | 53 | 11.1 |
| 8 | 30 | 14.8 |
| 10 | 19 | 18.5 |
| 12 | 13 | 22.2 |
| 14 | 10 | 25.9 |
| 16 | 7 | 29.6 |
| 18 | 6 | 33.3 |
| 20 | 5 | 37 |

| 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 |

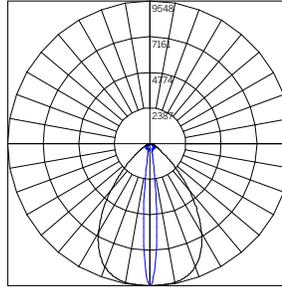
| CCT Multiplier | | | | |
|----------------|------|------|------|------|
| | 927 | 930 | 935 | 940 |
| | 0.77 | 0.84 | 1.00 | 1.19 |

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

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DIRECT

| WG-20LD-...-NL16-X-XXX-X-XX-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-20LD-...-S-48-H-935-...-NL16-X-XXX-X-XX-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 |

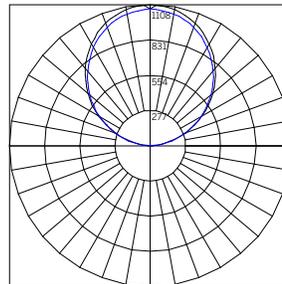
| Power Multiplier | | | |
|------------------|------------|------------|-------------|
| | L [3 W/ft] | M [6 W/ft] | H [10 W/ft] |
| 9XX | 0.29 | 0.57 | 1.00 |
| WD | 0.17 | 0.35 | 0.51 |

| CCT Multiplier | | | | |
|----------------|------|------|------|------|
| | 927 | 930 | 935 | 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 UGR value noted is the maximum UGR (crosswise) with 935 LEDs / 48" length.

INDIRECT

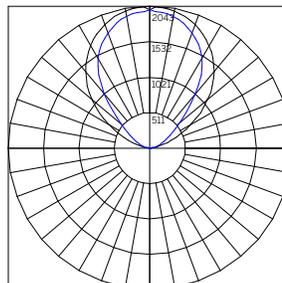
| WG-20LI-...-X-XXX-X-XX-...-OD-W Delivered Lumens Per Foot | | | | | |
|--|-------------------|------------|------------|-------------|-----------------|
| | | Power | | | |
| | | L [3 W/ft] | M [6 W/ft] | H [10 W/ft] | RGBW [7.6 W/ft] |
| CCT | 927 | 176 | 352 | 617 | - |
| | 930 | 192 | 383 | 670 | - |
| | 935 | 227 | 455 | 796 | - |
| | 940 | 270 | 540 | 946 | - |
| | WD ² | 135 | 280 | 405 | - |
| | RGBW ³ | - | - | - | 229 |
| UGR ⁴ | | - | - | - | - |



BEAM ANGLE (0-180) = 110.1
BEAM ANGLE (90-270) = 110.1

| ILLUMINANCE - 48" OD H 3500K WG-20LI-...-S-48"-X-XXX-X-XX-H-935-...-OD-W ¹ | | |
|--|----------------------------|-----------------|
| Offset Distance [ft] | Illuminance [fc at max cd] | Beam Width [ft] |
| 2 | 277 | 5.7 |
| 4 | 69 | 11.4 |
| 6 | 31 | 17.2 |
| 8 | 17 | 22.9 |
| 10 | 11 | 28.6 |
| 12 | 8 | 34.3 |
| 14 | 6 | 40.1 |
| 16 | 4 | 45.8 |
| 18 | 3 | 51.5 |
| 20 | 3 | 57.2 |

| WG-20LI-...-X-XXX-X-XX-...-SD-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 | 495 | 867 | - |
| | 930 | 270 | 538 | 942 | - |
| | 935 | 319 | 640 | 1119 | - |
| | 940 | 380 | 760 | 1330 | - |
| | WD ² | 190 | 394 | 569 | - |
| | RGBW ³ | - | - | - | 322 |
| UGR ⁴ | | - | - | - | - |



BEAM ANGLE (0-180) = 80.2
BEAM ANGLE (90-270) = 100.7

| ILLUMINANCE - 48" SD H 3500K WG-20LI-...-S-48-X-XXX-X-XX-H-935-...-SD-W ¹ | | |
|---|----------------------------|-----------------|
| Offset Distance [ft] | Illuminance [fc at max cd] | Beam Width [ft] |
| 2 | 511 | 3.4 |
| 4 | 128 | 6.7 |
| 6 | 57 | 10.1 |
| 8 | 32 | 13.5 |
| 10 | 20 | 16.8 |
| 12 | 14 | 20.2 |
| 14 | 10 | 23.6 |
| 16 | 8 | 26.9 |
| 18 | 6 | 30.3 |
| 20 | 5 | 33.7 |

| 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.