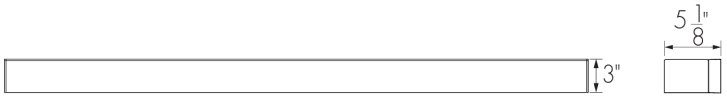
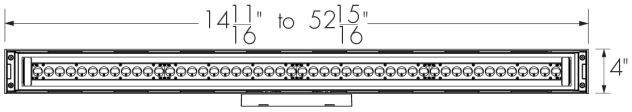
Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____

W1H2 Mounting Adaptor Shown



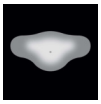
Front and Side Views



Bottom View

XL180 Output (4boards) Shown
See Dimensions Section for Details

Distributions



Type II

Type III

Type IV

Color and Color Temperature

Amber

2200K

2700K

3000K

3500K

4000K

5700K

Control

0-10V

lumentalk

Motion Detector Options

Ratings

IP66

Certifications

c UL us

5 YEARS lumenpulse

3G VIBRATION RATING

Description

The Lumenpulse Lumenblade Small Wall Mount Horizontal is an outdoor LED luminaire that uses a rectilinear version of the Lumencentro light engine to create a continuous line of light. Its seen-but-not-seen, minimalist design is sustainable, blends with contemporary and heritage architectures, provides a high level of security and is sensitive to the natural environment. The Lumenpulse Lumenblade Small Wall Mount Horizontal has several distributions, outputs, and accessory options. Many accessories such as Motion Detectors, Photocells, Battery Pack, and Louvres have been designed to lower environmental impact as well as to meet DarkSky approval. It provides a stellar quality of light that brings the night to life.

Features

Mounting	**WM:** Wall Mounting
Color and Color Temperature	**AMB:** True Amber 585nm-595nm (Turtle-Friendly) **22K:** 2200K **27K:** 2700K **30K:** 3000K **35K:** 3500K **40K:** 4000K **57K:** 5700K
Distributions	**2:** Type II **3:** Type III **4:** Type IV
Optical Option	**LV:** Louver

Option	**CRC:** Corrosion-Resistant Coating for Hostile Environments **SP:** Surge Protector **PB:** Button Type Photocell **MD10N:** Motion Detector 10% Factory-set Dimming Level (Narrow Lens) **MD30N:** Motion Detector 30% Factory-set Dimming Level (Narrow Lens) **MD50N:** Motion Detector 50% Factory-set Dimming Level (Narrow Lens) **MD50BN:** Motion Detector 50% with Photocell Activated (Narrow Lens) **MD70BN:** Motion Detector 70% with Photocell Activated (Narrow Lens) **MDPN:** Motion Detector Programmable, Factory-set Dimming Level (Narrow Lens) **MDNL:** Motion Detector, 30% Factory-Set Dimming Level (rMSOD Narrow Lens) with Dual Band External Antenna **MDNLW:** Motion Detector (rMSOD) with Dual Band External Antenna **MDMS:** Motion Detector (MSOD Narrow Lens) **MDMSW:** Motion Detector (MSOD Wide Lens) **3GV:** 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications
Emergency System	**BTP:** Battery Pack
Vibration Rating	Meets ANSI C136.31-2010, level 2 bridge/overpass applications) for all standard fixtures, without motion detectors or battery pack
Warranty	5-year limited warranty

Physical

Lens	**CSL:** Clearsite Lens **HFSL:** Half-Frosted Site Lens
Housing Material	Extruded aluminium 6000 alloy series
Lens Material	Tempered half-frosted glass (Half-Frosted Site Lens)
Mounting Adapter	**W1H2:** Horizontal Wall Mount Adapter for 2 in x 4 in Recessed Junction Box **W1H4:** Horizontal Wall Mounting Adapter for 4 in x 4 in Recessed Junction Box **W1HSJB:** Horizontal Wall Mounting Adapter for Ø4 in Round Exterior Surface Junction Box
Surface Finish	Super durable resistant exterior polyester powder coating meets AAMA 2604-98 requirements (5-years Florida exposure). A corrosion resistant finish (CRC) pre-finish is available to meet ASTM B-117 & ASTM D-1654 (salt spray resistance) and ASTM D-2247 requirements (humidity resistance).

Weight	XS LED Boards: 7.89 lbs S LED Board: 11.51 lbs M LED Boards: 14.66 lbs M LED Boards With Battery Pack: 20.83 lbs L LED Boards: 18.3 lbs L LED Boards With Battery Pack: 25.82 lbs XL LED Boards: 22.42 lbs Refer to Fixture Weights Table in specification sheet for fixture weights with motion detector or battery pack installed

Electrical and Control

Output (Nominal Lumens)	**XS05:** 500lm Amber (2 LED Boards) **XS15:** 1500lm (2 LED Boards) **XS20:** 2000lm (2 LED Boards) **XS25:** 2500lm (2 LED Boards) **XS30:** 3000lm (2 LED Boards) **S07:** 700lm Amber (1 LED Board) **S40:** 4000lm (1 LED Board) **S60:** 6000lm (1 LED Board) **M15:** 1500lm Amber (2 LED Boards) **M20:** 2000lm (2 LED Boards) BTP **M40:** 4000lm (2 LED Boards) BTP **M80:** 8000lm (2 LED Boards) **M100:** 10000lm (2 LED Boards) **L20:** 2000lm Amber (3 LED Boards) **L60:** 6000lm (3 LED Boards) BTP **L80:** 8000lm (3 LED Boards) BTP **L120:** 12000lm (3 LED Boards) **L140:** 14000lm (3 LED Boards) **XL25:** 2500lm Amber (4 LED Boards) **XL160:** 16000lm (4 LED Boards) **XL180:** 18000lm (4 LED Boards)
Voltage	**120:** 120 Volts **240:** 240 Volts **347:** 347 Volts **208:** 208 Volts **277:** 277 Volts **480:** 480 Volts
Control	**DIM:** 0-10V Dimming **LT:** Lumentalk

Performance

Color Rendering	**CRI 70:** CRI 70+, **CRI 80:** CRI 80+, **CRI 90:** CRI 90+
Color Consistency	3 SDCM for CRI 70+, 2 SDCM for CRI 80+ and CRI 90+
Output (Nominal Lumens)	Minimum 500lm / Maximum 18,000lm
Efficacy	Up to 101 lm/W (Type III, 4000K, M40 lumen output)
Lumen Maintenance	TM-21 L70 > 145,000 hrs (reported, Ta 25 - 50 °C [77 - 122 °F])
DarkSky	DarkSky Approved (2200K, 2700K, 3000K and Amber color temperatures, BUG rating of U0)

Environmental

Storage Temperature	-40°C to 50°C [-40°F to 122°F] (device must reach start-up temperature value before operating)
Start-up Temperature	-25°C to 50°C [-13 °F to 122 °F]

Operating Temperature	-40°C to 50°C [-40 °F to 122 °F] -20 °C to 50 °C [-4°F to 122°F] (LT control, MDMS Motion Detector and BTP Battery Pack only)
Ingress Protection Rating	IP66 (optical chamber) Wet location rated
Impact Resistance Rating	IK10 (frame) Up to IK06 (lens) Lens IK rating may vary based on lens choice and fixture dimensions
Environment	Dry/damp/wet location

Important

Virtual Patent Marking Notice

This website (https://www.lmpg.com/patents-trademarks) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

EPA And Fixture Weight Tables

EPA Table

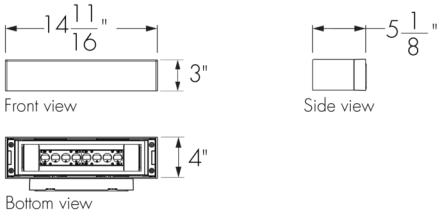
	XS		S		M		L		XL	
	Fixture Only	Fixture with Motion Detector	Fixture Only	Fixture With Motion Detector	Fixture Only	Fixture With Motion Detector or Battery Pack	Fixture Only	Fixture With Motion Detector or Battery Pack	Fixture Only	Fixture With Motion Detector
	(2 LED Boards)		(1 LED Board)		(2 LED Boards)		(3 LED Boards)		(4 LED Boards)	
EPA Top (sq ft.)	0.61	0.96	0.82	1.17	1.21	1.56	1.71	2.06	2.21	2.56
EPA Side (sq ft.)	0.459	0.723	0.615	0.880	0.905	1.170	1.280	1.544	1.655	1.920

Weight

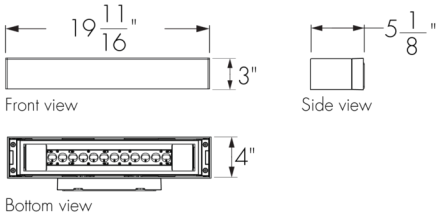
	XS		S		M			L			XL	
	Fixture Only	Fixture With Motion Detector	Fixture Only	Fixture With Motion Detector	Fixture Only	Fixture With Motion Detector	Fixture With Battery Pack	Fixture Only	Fixture With Motion Detector	Fixture With Battery Pack	Fixture Only	Fixture With Motion Detector
	(2 LED Boards)		(1 LED Board)		(2 LED Boards)			(3 LED Boards)			(4 LED Boards)	
Weight (lbs)	7.89	11.13	11.51	14.75	14.66	17.90	20.83	18.30	20.46	25.82	22.42	25.66

Dimensions - Fixture Only

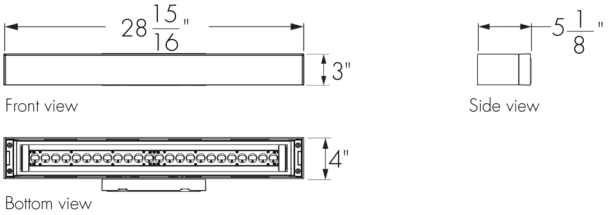
XS05, XS15, XS20, XS25 and XS30 (2 LED Boards)



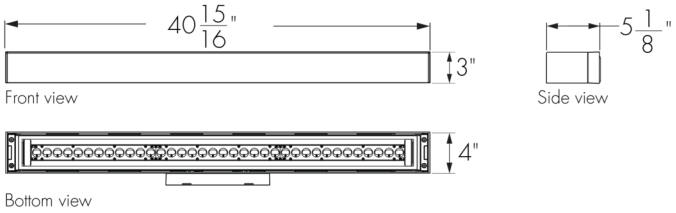
S07, S40 and S60 (1 LED Board)



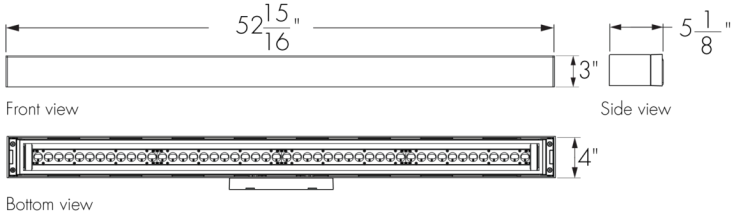
M15, M80 and M100 (2 LED Boards)



L20, L120, L140 and L160 (3 LED Boards)

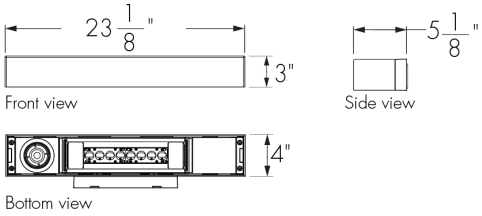


XL25, XL160 and XL180 (4 LED Boards)

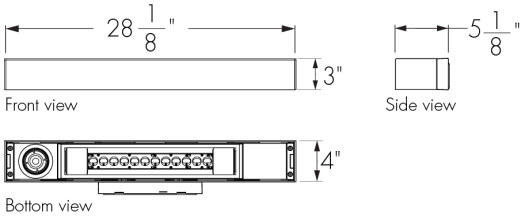


Dimensions - Fixture With Motion Detectors

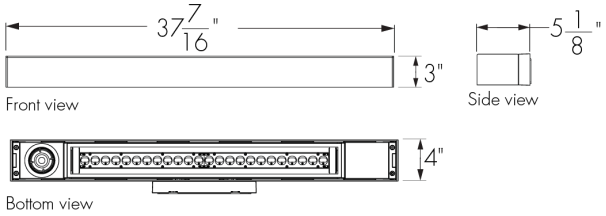
XS05, XS15, XS20, XS25 and XS30 (2 LED Boards)



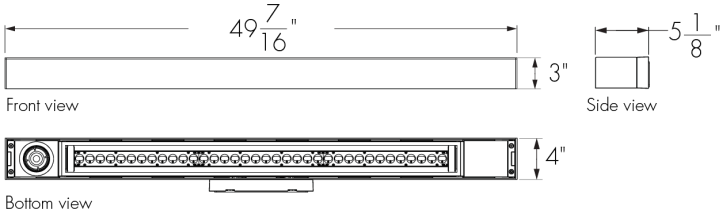
S07, S40 and S60 (1 LED Boad)



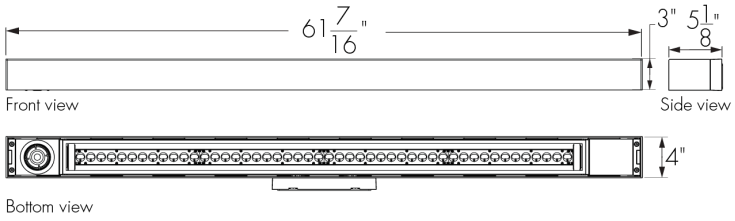
M15, M80 and M100 (2 LED Boads)



L20, L120, L140 and L160 (3 LED Boards)

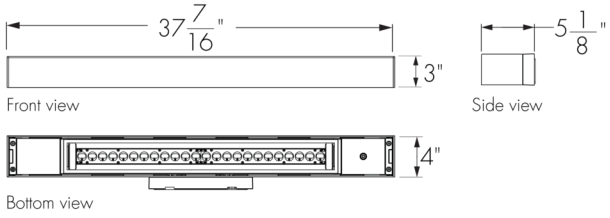


XL25, XL160 and XL180 (4 LED Boards)

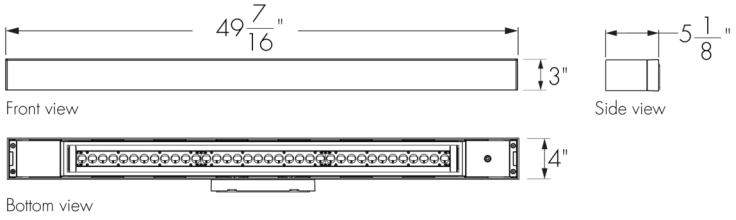


Dimensions - Fixture With Emergency Battery Pack Option

M20 and M40 (2 LED Boards)

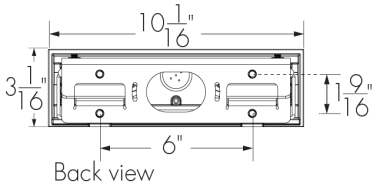


L60, L80 (3 LED Boards)

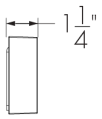


Mounting Details

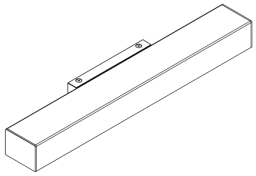
W1H2 - Horizontal Wall Mount Adaptor for 2 in x 4 in Recessed Junction Box



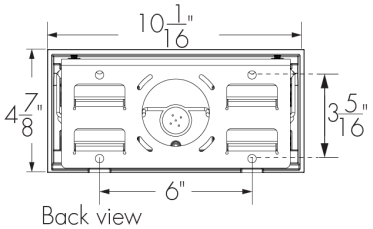
Back view



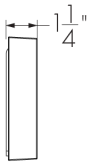
Side view


Perspective view - wall mount adaptor and fixture

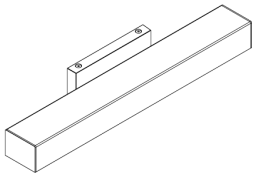
W1H4 - Horizontal Wall Mount Adaptor for 4 in x 4 in Recessed Junction Box



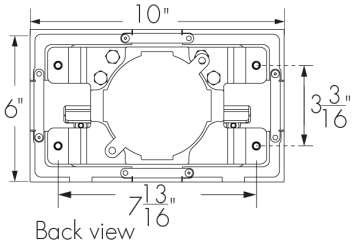
Back view



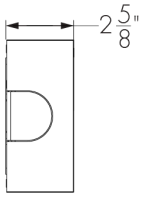
Side view


Perspective view - wall mount adaptor and fixture

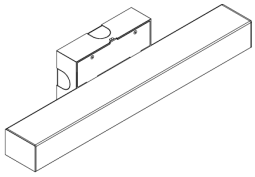
W1HSJB - Horizontal Wall Mount Adaptor for 4 in Round Surface Junction Box (CONDUIT)



Back view



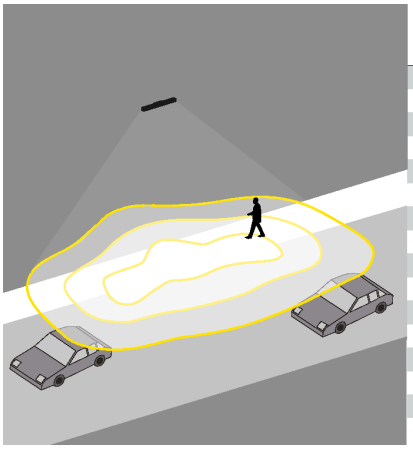
Side view


Perspective view - wall mount adaptor and fixture

The WM-W1HSJB mounting is designed for installation on a round exterior (weatherproof) surface junction box (Ø4 in diameter and 1 5/8 in deep) that accommodates up to 3/4" NPT trade size conduit. For all other types of junction boxes, consult the factory.

Photometric Information

Type II, 4000K, CRI 70+

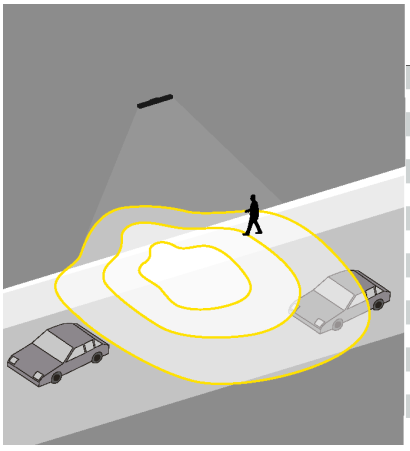


Nominal Output [lm]	Typical Delivered Output [lm]	Efficiency [lm/W]	BUG Rating B U G	Typical Maximum Power 120/277V [W]
XS15	1,505	94	0 0 1	16
XS20	2,190	88	0 0 1	25
XS25	2,472	82	1 0 1	30
XS30	2,833	81	1 0 1	35
S40	3,004	83	1 0 1	36
S60	4,314	74	1 0 1	58
M20	2,195	110	0 0 1	20
M40	3,645	101	1 0 1	36
M80	7,552	94	1 0 2	80
M100	9,863	86	1 0 2	115
L60	5,759	96	1 0 1	60
L80	7,770	95	1 0 2	82
L120	10,991	92	2 0 2	120
L140	12,607	87	2 0 2	145
XL160	14,726	82	2 0 2	180
XL180	16,745	82	2 0 3	205

Type III, 4000K, CRI 70+

Nominal Output [lm]	Typical Delivered Output [lm]	Efficiency [lm/W]	BUG Rating B U G	Typical Maximum Power 120/277V [W]
XS15	1,618	101	0 0 0	16
XS20	2,354	94	1 0 1	25
XS25	2,657	89	1 0 1	30
XS30	3,045	87	1 0 1	35
S40	3,229	90	1 0 1	36
S60	4,636	80	1 0 1	58
M20	2,360	118	1 0 1	20
M40	3,918	109	1 0 1	36
M80	8,117	101	1 0 2	80
M100	10,601	92	2 0 2	115
L60	6,190	103	1 0 2	60
L80	8,351	102	1 0 2	82
L120	11,814	98	2 0 2	120
L140	13,551	93	2 0 2	145
XL160	15,828	88	2 0 3	180
XL180	17,998	88	2 0 3	205

Type IV, 4000K, CRI 70+



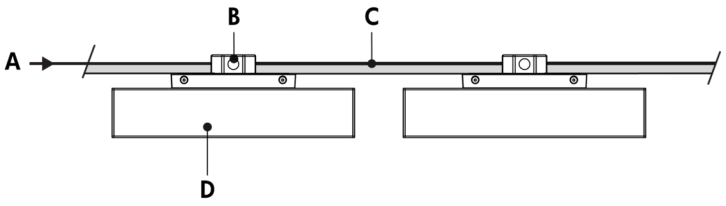
Nominal Output [lm]	Typical Delivered Output [lm]	Efficiency [lm/W]	BUG Rating B U G	Typical Maximum Power 120/277V [W]
XS15	1,272	80	0 0 0	16
XS20	1,851	74	1 0 1	25
XS25	2,088	70	1 0 1	30
XS30	2,394	68	1 0 1	35
S40	2,538	71	1 0 1	36
S60	3,645	63	1 0 1	58
M20	1,855	93	1 0 1	20
M40	3,080	86	1 0 1	36
M80	6,381	80	1 0 2	80
M100	8,334	72	2 0 2	115
L60	4,866	81	1 0 1	60
L80	6,565	80	1 0 2	82
L120	9,288	77	2 0 2	120
L140	10,653	73	2 0 2	145
XL160	12,443	69	2 0 2	180
XL180	14,149	69	2 0 2	205

Photometric performance is measured in compliance with IESNA LM-79-24. Due to rapid and continous advance in LED technology, photometric information is subject to change without notice.

Typical Wiring Diagrams

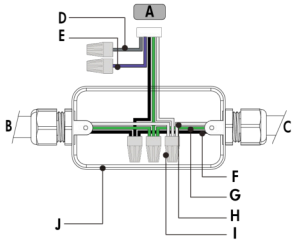
UL Color Code	Black	White	Green	Purple	Gray
Use	Line	Line/ Neutral	Ground	0-10V / Data +	0-10V / Data -

NO (On/Off Control)



A - Power input (120-480V, wiring by others)
B - Junction Box (by others)
C - Power wiring (by others)
D - Lumenblade Small Wall Mount Horizontal

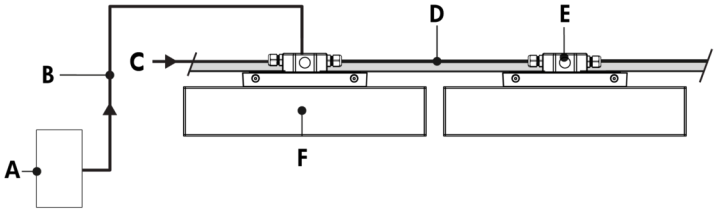
On/Off Control (NO) - Wiring Detail



A - To fixture
B - Power input or from previous fixture
C - To next fixture
D - Not required
E - Not required
F - Line
G - Ground
H - Neutral
I - Wire-nuts
J - Junction box (by others)

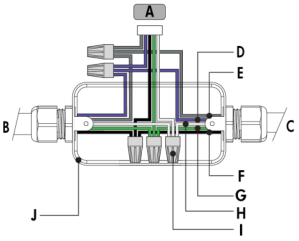
- Consult factory for specific applications and maximum fixture count/cable length recommendations.

0-10V Dimming (DIM)



A - Dimmer (by others)
B - Data wiring (by others)
C - Power input (120-480V, wiring by others)
D - Power and data wiring (by others)
E - Junction box (by others)
F - Lumenblade Small Wall Mount Horizontal

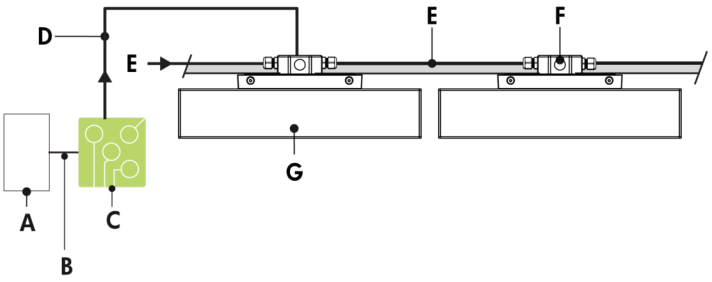
0-10V Dimming (DIM) - Wiring Detail



A - To fixture
B - Power input or from previous fixture
C - To next fixture
D - 0-10V +
E - 0-10V -
F - Line
G - Ground
H - Neutral
I - Wire-nuts
J - Junction box (by others)

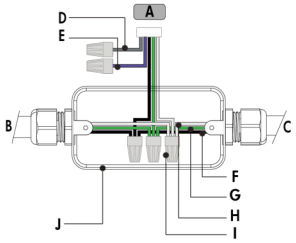
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value.

Lumentalk (LT)



A - Third party dimmer
B - Data wiring (by others)
C - Lumentranslator 2 (LTL-010)
D - Power line (120-277V, wiring by others)
E - Power wiring (by others)
F - Junction Box (by others)
G - Lumenblade Small Wall Mount Horizontal

Lumentalk (LT) - Wiring Detail

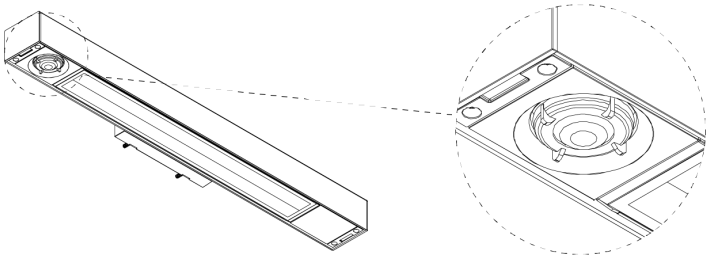


A - To fixture
B - Power input or from previous fixture
C - To next fixture
D - Not required
E - Not required
F - Line
G - Ground
H - Neutral
I - Wire-nuts
J - Junction box (by others)

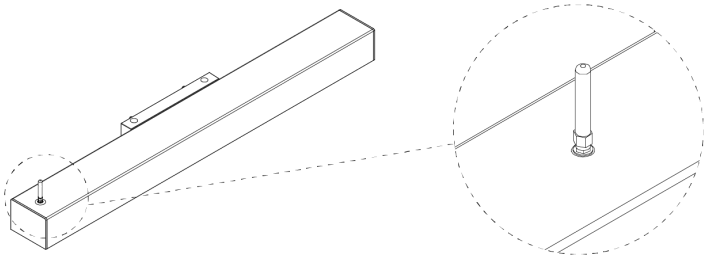
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third party fixtures allowed on the same circuit.

Options

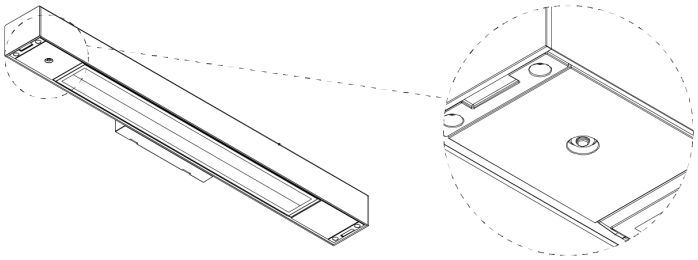
Fixture With Motion Detector Option



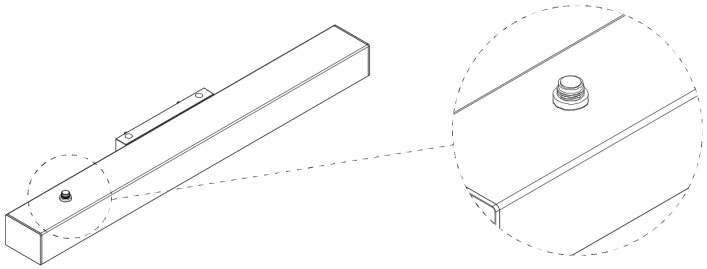
Fixture With Dual Band External Antenna Option



Fixture With Battery Pack Option



Fixture With Button Type Photocell Option



The battery pack provides emergency power in the event of a power outage. It includes an AC/DC converter with a built-in battery and an LED driver. During regular operation, the converter keeps the battery charged. When it detects the loss of AC power, the battery provides power to the LEDs.
Consult the factory if you need application assistance.
Applicable codes: NFPA 70/NEC - SECTION 700.16, NFPA 101 Life Safety Code Section 7.9.

Motion Detector Options

Programming

	MD10N Narrow Lens, 10% Dimming Level		MD30N Narrow Lens, 30% Dimming Level		MD50N Narrow Lens, 50% Dimming Level		MD50BN Narrow Lens, 50% Bi-Level Dimming Level[10]		MD70BN Narrow Lens, 70% Bi-Level Dimming Level[11]		MDPN Narrow Lens, Programmable	
	100% (10V)	10% (1V)	100% (10V)	30% (3V)	100% (10V)	50% (5V)	100% (10V)	50% (5V)	100% (10V)	70% (7V)	How to Provide Code:	
High Mode[1]	10V		10V		10V		10V		10V		• 5V - 10V (Increment: 0.2V)	10V
Low Mode[2]	1V		3V		5V		5V		7V		• OFF • 0V - 9.8V (Increment: 0.2V)	2.6V
Time Delay[3]	5 min		5 min		5 min		15 min		15 min		• 1min - 30min (Increment: 30 seconds)	10 min
Cut Off[4]	1 hr		1 hr		1 hr		DIS		DIS		• Disable • 1min - 59min (Increment: 30 seconds) • 1h - 5h (Increment: 1 hour)	3 h
Set Point[5]	Dis		Dis		Dis		DIS		DIS		• Disable • Auto • 1fc - 250fc (Increment: 1fc)	Auto
Sensitivity[6]	Max		Max		Max		Max		Max		• On-Fix • Off-Fix • Low • Med • Max	Med
Ramp up Time[7]	3 sec		3 sec		3 sec		3 sec		3 sec		• Disable • 1sec - 60sec (Increment: 1 second)	10 sec
Fade Down Time[8]	3 sec		3 sec		3 sec		3 sec		3 sec		• Disable • 1sec - 60sec (Increment: 1 second)	10 sec
Photocell On/Off[9]	Dis		Dis		Dis		30fc		30fc		• Disable • 1fc - 250fc (Increment: 1fc)	Dis

[1] When the sensor detects motion, the dimming control output ramps up to the selected HIGH light level.
[2] After the sensor stops detecting motion and the time delay expires, the dimming control output fades down to the selected LOW light level.
[3] The selected time period that must elapse after the last time the sensor detects motion for the electric lights to fade to LOW mode.
[4] The time period that must elapse after the lights fade to LOW mode, and the sensor detects no motion for the electric lights to turn OFF.
[5] When enabled, the selectable ambient light level threshold that will hold the electric lights off or at LOW level when the sensor detects motion.
[6] The response of the PIR detector to motion within the sensor's coverage area.
[7] Time period for light level to increase from LOW to HIGH.
[8] Time period for light level to decrease from HIGH to LOW.
[9] When enabled, the sensor will force the load OFF after the light level has exceeded the selected photocell setpoint PRIOR SAVE SEND for at least a minute. It will also force the load ON when the light level goes below the setpoint, even if no motion is detected.
[10] Meets CNEB 2015 requirements.
[11] Meets ASHRAE 2016 requirements.

The motion detector programming can be modified on site. A remote is required, order separately. See Remote section in the specification sheet for details.

Dimming: When motion is detected within the sensor's coverage area, the sensor sends a signal to ramp the load up to the selectable High Mode level unless the ambient light level is higher than the selected setpoint. When no motion is detected for the duration of the time delay setting, the lights will go to the selectable Low Mode level based on the signal from the sensor. If desired, a cut off time delay will trigger to eventually turn the lights OFF.
Non dimming: When motion is detected within the sensor's coverage area, the sensor sends a signal to turn the load ON unless the ambient light level is higher than the selected setpoint. When no motion is detected for the duration of the time delay setting, the lights will go OFF based on the signal from the sensor.
Dusk to dawn control: When photocell on/off is enabled, and the ambient light falls below the photocell setpoint, the sensor ramps the load up to the selectable High Mode level. If no motion is detected for the duration of the time delay setting, the lights will go to the selectable Low Mode level. If the cut off time delay is disabled, the load will remain on, at High or Low level, based on motion detection, until the ambient light increases above the photocell setpoint.

	MDMS Motion Detector (MSOD)	MDMSW Motion Detector (MSOD)
Motion Time Delay[1]	*30 sec - 20 min (*5 min)*	*30 sec - 20 min (*5 min)*
Test & Blink-Back Mode[2]	*Blink Light & LED** *Blink LED only* *Auto-Setpoint* *Blink Set-Point*[3] *Test Mode*[4]	*Blink Light & LED** *Blink LED only* *Auto-Setpoint* *Blink Set-Point*[3] *Test Mode*[4]
Ten's Digit of Set-Point[5]	*0 fc - 200 fc (*0fc)*	*0 fc - 200 fc (*0fc)*
One's Digit of Set-Point[6]	*0 fc - 9 fc (*5 fc)*	*0 fc - 9 fc (*5 fc)*
Sunlight Discount Factor[7]	*x/1 - x/10 (*x/1, x/4)*	*x/1 - x/10 (*x/1, x/4)*
Incremental Set-Point Adjustment[8]	*Decrease 1 fc* *Increase 1 fc*	*Decrease 1 fc* *Increase 1 fc*
Restore Factory Defaults[9]	*Keep Current** *Restore Factory Defaults*	*Keep Current** *Restore Factory Defaults*
Photocell Operation[10]	*High/Off** *High/Low* *Disabled*	*High/Off** *High/Low* *Disabled*
Ramp Up Rate[11]	*Instant - 1 min (*3 sec)*	*Instant - 1 min (*3 sec)*
Fade Down Rate[12]	*Instant - 1 hr (*5 min)*	*Instant - 1 hr (*5 min)*
Dimming Range (High Trim)[13]	*Off/0 volt - 10 volts* *(*9.1 volts, 10 volts)*	*Off/0 volt - 10 volts* *(*9.1 volts, 10 volts)*
Dimming Range (Low Trim)[14]	*Off/0 volt - 10 volts* *(*1 volt, 1.5 volts)*	*Off/0 volt - 10 volts* *(*1 volt, 1.5 volts)*
Photocell Transition Off Time [15]	*45 sec - 25 min (*5 min)*	*45 sec - 25 min (*5 min)*
Photocell Transition On Time [16]	*45 sec - 25 min (*45 sec)*	*45 sec - 25 min (*45 sec)*

* Default setting.

[1] The length of time the motion sensor will keep the lights on and at maximum level after it last detects motion.

2 **Auto set-point**: Photocell calibration procedure for detecting optimum lighting control level.

Blink-back mode: The type of visual feedback that is provided when programming via the push-button; i.e. entire fixture will blink or just sensor LED will blink.

Test mode: Disables minimum on time, sets motion time delay to 30 sec, and shortens all photocell transition and dimming rates. Mode will expire after 10 min or if function 4 is changed.

[3] The LED will blink back the ten's digit, the pause, then blink back the one's digit. For a "0" the LED will blink very rapidly. The sequence is repeated 3 times.

[4] Test Mode will set Motion Time Delay to 30 sec, and shorten all photocell transitions and dimming rates. Mode will expire after 10 min or if function 4 is set back to previous setting.

[5] The ten's digit of the target light level that is to be maintained by the device (in foot-candles).

[6] The one's digit of the target light level that is to be maintained by the device (in foot-candles).

[7] Value used to improve the tracking accuracy of a photocell during periods of high daylight. Decreasing the value will lower the controlled level of the lights.

[8] Alters the target light level that is to be maintained by the device (in foot-candles)

[9] Returns the sensor to its default settings.

[10] Indicates what mode of photocell operation, if any, is enabled.

[11] Time period from when motion is detected to when lights are at high trim level.

[12] Time period from when motion time delay expires to when lights are at low trim level.

[13] The output level (0-10 VDC) of the sensor after motion is detected.

[14] The output level (0-10 VDC) of the sensor after the fade down time has elapsed.

[15] The time period after the photocell measures a light level above the set-point (plus the deadband) that it will turn lights off (or dim them to min level).

[16] The time period after the photocell measures a light level below the set-point that it will turn lights on.

	MDNL Motion Detector, 30% Factory-Set Dimming Level (rMSOD Narrow Lens) with Dual Band External Antenna	MDNLW Motion Detector (rMSOD) with Dual Band External Antenna
Occupancy Control	*Enabled*	*Enabled*
Idle Time Until Dim	*7.5 min*	*7.5 min*
Occupied Dim Level	*100%*	*100%*
Unoccupied Dim Level	*30%*	*30%*
Dimming Fade Rate Time	*5 min*	*5 min*
Photocontrol	*Enabled*	*Enabled*
Photocontrol Set Point	*5 fc*	*5 fc*
Photocontrol Transition On Time	*45 sec*	*45 sec*
Photocontrol Transition Off Time	*5 min*	*5 min*
Default Max Trim Level (ZT Devices)	*8 V*	*8 V*

Default setting. On-site commissioning is required for other settings, consult factory.

MDNL and MDNLW are Acuity Brands motion detectors. Consult factory for programming information.

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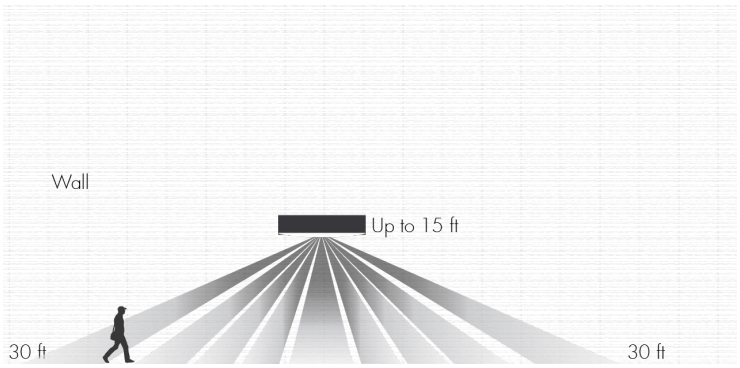
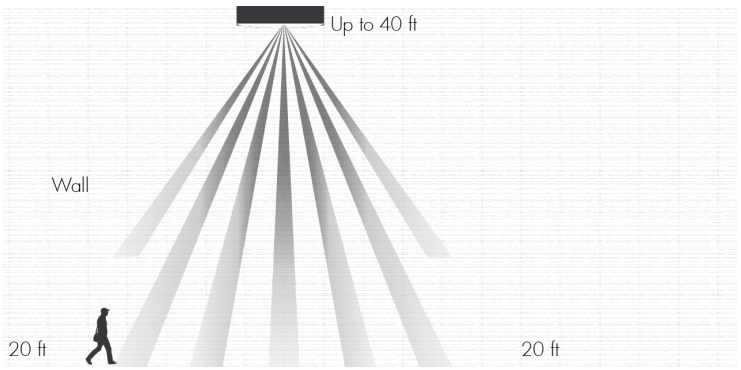
Coverage Area

Narrow Lens (MD10N, MD30N, MD50N, MD50BN, MD70N, MD70BN, MDPN, MDNL and MDMS)*



* Maximum 15 ft height, 30 ft diameter coverage area

Wide Lens (MDNLW and MDMSW)*

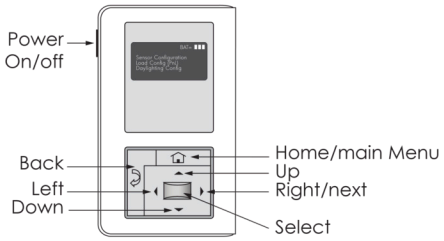


* Maximum 20 ft height, 40 ft diameter coverage area

High temperatures at the covered area (above 88 °F - 91 °F) reduce the detection zone of the sensor. Consider adding more sensors if the ambient temperatures are expected to be high. Additionally, high floor level temperature may require larger movement for detection. Coverages shown in the diagrams are maximum, measured in linear feet. They represent coverage for walking motion, with no obstacles.

Remote (Order Separately)

MDRC001 - Remote to Program Motion Detector on Site



- Compatible with all MD10N, MD30N, MD50N, MD50BN, MD70BN and MDPN motion detector options.

How to Order

Housing	Mounting	Voltage	Lens	Output (Nominal Lumens)	Color and Color Temperature	Color Rendering [8]
BLDS Lumenblade Small	**WM** Wall Mounting	**120** 120 Volts **208** 208 Volts **240** 240 Volts **277** 277 Volts **347** 347 Volts [1] [2] [3] **480** 480 Volts [1] [2] [3] [4]	**CSL** Clearsite Lens [5] [6] [7] **HFSL** Half-Frosted Site Lens [8] [9]	**XS05** 500lm Amber (2 LED Boards) [1] [3] [7] [10] **XS15** 1500lm (2 LED Boards) [1] [3] [8] [10] **XS20** 2000lm (2 LED Boards) [1] [3] [8] [10] **XS25** 2500lm (2 LED Boards) [1] [3] [8] [10] **XS30** 3000lm (2 LED Boards) [1] [3] [8] [10] **S07** 700lm Amber (1 LED Board) [1] [3] [7] [10] **S40** 4000lm (1 LED Board) [1] [3] [8] [11] **S60** 6000lm (1 LED Board) [1] [3] [8] **M15** 1500lm Amber (2 LED Boards) [3] [7] **M20** 2000lm (2 LED Boards), BTP [1] [4] [8] [11] [12] [13] [14] **M40** 4000lm (2 LED Boards), BTP [1] [4] [8] [11] [13] [14] **M80** 8000lm (2 LED Boards) [3] [8] **M100** 10000lm (2 LED Boards) [3] [8] **L20** 2000lm Amber (3 LED Boards) [3] [7] **L60** 6000lm (3 LED Boards) BTP [1] [4] [8] [11] [13] [14] **L80** 8000lm (3 LED Boards) BTP [1] [4] [8] [11] [13] [14] **L120** 12000lm (3 LED Boards) [3] [8] **L140** 14000lm (3 LED Boards) [3] [8] **XL25** 2500lm Amber (4 LED Boards) [3] [7] **XL160** 16000lm (4 LED Boards) [3] [8] **XL180** 18000lm (4 LED Boards) [3] [8]	**AMB** Amber [3] [6] **22K** 2200K [15] **27K** 2700K [16] **30K** 3000K **35K** 3500K [17] **40K** 4000K [17] **57K** 5700K [17] [18]	**CRI 70** CRI 70+ [19] **CRI 80** CRI 80+ [20] **CRI 90** CRI 90+ [21]

Notes:

1. Not available with LT control option.
2. Not available with MDNL, MDNLW, MDMS and MDMSW motion detector options.
3. Not available with BTP option.
4. Not available with PB option.
5. Standard IK06 rating for glass lens.
6. Available with XS05, S07, M15, L20 and XL25 outputs only.
7. Available with AMB color temperature only.
8. Available for 22K, 27K, 30K, 35K, 40K and 57K color temperatures only.
9. Not available with XS05, S07, M15, L20 and XL25 outputs.
10. Not available with 480V.
11. Not available for 347V and 480V voltage options.
12. Consult factory for details.

13. Battery Pack included. BTP must be specified in the product code.
14. Not available with MD10N, MD30N, MD50N, MD70BN, MD50BN, MDPN, MDNL, MDNLW, MDMS and MDMSW motion detector options.
15. Available for CRI 80 only.
16. Available for CRI 80 and CRI 90 only.
17. Not DarkSky Approved.
18. Available for CRI 70 and CRI 80 only.
19. Binning within a 3-step McAdam ellipse, with the exception of 5700K.
20. Binning within a 2-step MacAdam ellipse, with the exception of 2200K and 5700K.
21. Binning within a 2-step MacAdam ellipse.

How to Order

Distributions	**Optical Option**	**Finish**	**Control**	**Option**	**Emergency System**	**Mounting Adapter**
2 Type II **3** Type III **4** Type IV	**LV** Louver [22]	**BK** Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **BKTX** Textured Black **BRZTX** Textured Bronze Non-Metallic **GRATX** Textured Medium Gray **GRNTX** Textured Green **WHTX** Textured White **CC** Custom Color & Finish [23] [24] [25]	**DIM** 0-10V Dimming [26] **LT** Lumentalk [3] [4] [11] [27]	**CRC** Corrosion-Resistant Coating [28] [29] **SP** Surge Protector [30] [31] **PB** Button Type Photocell [1] [3] [10] [14] [32] **MD10N** Motion Detector 10% Factory-set Dimming Level (Narrow Lens) [1] [3] [4] [33] [34] [35] [36] **MD30N** Motion Detector 30% Factory-set Dimming Level (Narrow Lens) [1] [3] [4] [33] [34] [35] [36] **MD50N** Motion Detector 50% Factory-set Dimming Level (Narrow Lens) [1] [3] [4] [33] [34] [35] [36] **MD50BN** Motion Detector 50% with Photocell Activated (Narrow Lens) [1] [3] [4] [34] [35] [36] [37] [38] [39] **MD70BN** Motion Detector 70% with Photocell Activated (Narrow Lens) [1] [3] [4] [33] [34] [35] [36] [40] [41] **MDPN** Motion Detector Programmable, Factory-set Dimming Level (Narrow Lens) [1] [3] [4] [34] [35] [36] [37] [38] [41] **MDNL** Motion Detector, 30% Factory-Set Dimming Level (rMSOD Narrow Lens) with Dual Band External Antenna [1] [3] [4] [11] [27] [34] [35] [36] [37] [38] [41] [42] **MDNLW** Motion Detector (rMSOD) with Dual Band External Antenna [1] [3] [4] [11] [27] [34] [35] [36] [37] [38] [42] **MDMS** Motion Detector (MSOD Narrow Lens) [1] [3] [4] [11] [27] [34] [35] [36] [37] [38] [42] **MDMSW** Motion Detector (MSOD Wide Lens) [1] [3] [4] [11] [27] [34] [35] [36] [37] [38] [42] **3GV** 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications [3] [14] [43]	**BTP** Battery Pack [1] [4] [11] [14] [27] [44] [45]	**W1H2** Horizontal Wall Mount Adapter for 2 in x 4 in Recessed Junction Box **W1H4** Horizontal Wall Mounting Adapter for 4 in x 4 in Recessed Junction Box **W1HSJB** Horizontal Wall Mounting Adapter for Ø4 in Round Exterior Surface Junction Box [36] [46]

Notes:

1. Not available with LT control option.
3. Not available with BTP option.
4. Not available with PB option.
10. Not available with 480V.
11. Not available for 347V and 480V voltage options.
14. Not available with MD10N, MD30N, MD50N, MD70BN, MD50BN, MDPN, MDNL, MDNLW, MDMS and MDMSW motion detector options.
22. Factory installed.
23. Specify RAL number followed by "TX" for textured finish (ex: RAL9007TX) or STX for Sandtex finish (ex: RAL9007STX). Textured or Sandtex finishes are recommended for the durability of all products. If a finish is not specified with the RAL number (ex: RAL9007), a glossy finish will be provided. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
24. Setup charges apply for RAL colors. Consult factory for details.
25. Longer lead times can be expected for custom RAL color finishes.
26. DIM control can be used as NO (On/Off control) if no data is required.
27. Minimum working temperature is -4 °F.
28. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.

29. Setup charges apply. Consult factory for details.
30. Not available with 480V voltage options when combined with XS15, XS20, XS25, XS30.
31. Not available with 347V and 480V voltage options when combined with S40 Output.
32. Can be combined with CRC and 3GV options only.
33. MD10N, MD30N, MD50N, MD70BN and MDPN are Wattstopper motion detectors.
34. Motion detector option adds 8.46 in to total length of fixture when combined with W1H mounting option.
35. Only one motion detector can be specified per fixture.
36. Not available with 3GV option.
37. MD50BN, MDPN, MDNL, MDNLW, MDMS and MDMSW are Acuity Brands motion detectors.
38. The motion detector is programmed in the factory, as per the settings requested at the time of the order.
39. Meets ASHRAE 2016 requirements.
40. Meets CNEB 2015 requirements.
41. Multi-Level dimming compatible (motion detector + daylight based control).
42. Coming soon, consult factory for details.
43. Vibration tested in accordance with ANSI 136.31 2010 for bridge and overpass applications at 3Gv.
44. Included with M40, L60, L80 lumen output options.
45. Can be combined with SP and CRC options only.
46. The WM-W1HSJB mounting is designed for installation on a round exterior (weatherproof) surface junction box (Ø4 in diameter and 1 5/8 in deep). For all other types of junction box, consult the factory.