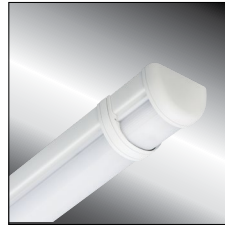# TEKLINK™ TL50 FOR MILLENIUM STRETCH™
Control System Specification & User Guide

MLHA-TL50 SYSTEM

PRODUCT FEATURES:

» Embedded Microwave occupancy detection

» Sensor settings configurable via Remote Controller*

» Adjustable dimmed-state light level

» Adjustable occupancy time-out delay

» Daylight Harvesting

SPECIFICATIONS:

TEKLINK SENSOR: Embedded microwave occupancy detection and daylight sensing with adjustable dim-level, sensor sensitivity, time-out delay, and turn-off delay settings via remote controller*. Microwave sensing operates at 5.8 GHz (continuous-wave radar) and provides 360° coverage at various mounting heights and coverage areas. Details of sensor functionality and coverage area can be seen in the pages that follow.

HOUSING: Marine grade aluminum. Extruded body with die-cast end caps. Housing, with end caps, post assembly TGIC polyester powder coat finished – 5-step pre-treatment. See Ordering Information for standard, optional, architectural and custom finishes.

INSTALLATION: Control components and sensor housing embedded in Millenium Stretch housing at factory.

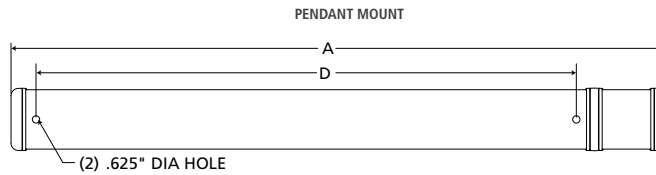**WARRANTY:** Limited five (5) year warranty. Peace of Mind Guarantee against breakage.

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location. UL certified IP64 per IEC 60598.

NOTE: See MLHA5, MLHA8 or MLHA12 spec sheet for TekLink™ TL50 control system ordering information.

*TL50 Remote controller (TL50-RC1) sold separately. Please consult factory.

COVERAGE PATTERN
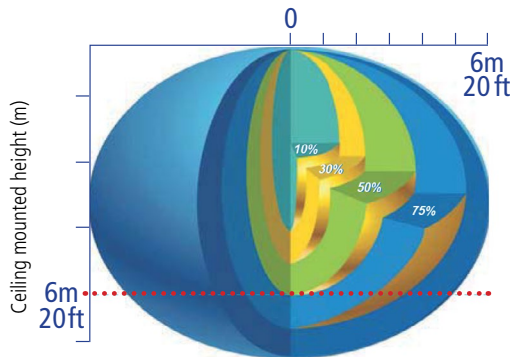
Ceiling mounted detection pattern

NOTE: Occupancy pattern dimensions are maximums, may vary due to environment

BASIC OPERATION

Red LED flashes upon settings change.

Factory Default

Time Out	Dim%	Daylight	Detection
20 min	30%	Inactive	100%

MLHA-TL50-011922

MLHA-TL50 SYSTEM

DIMENSIONAL DATA

MLHA5

CROSS MOUNT

5.33"

3.75"

SURFACE/WALL MOUNT

A

B

C2

C1

(1) .875" DIA HOLE   (4).312" DIA X .625" SLOT

PENDANT MOUNT

A

D

(2) .625" DIA HOLE
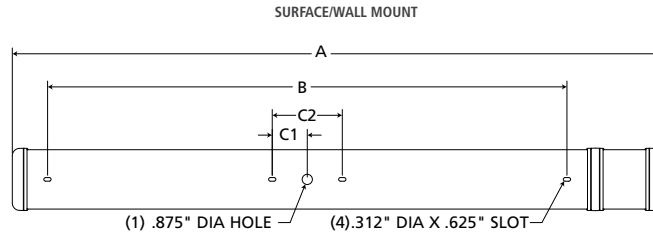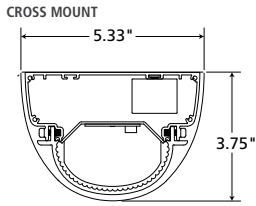
Nominal Two Foot Fixture Legend

End Cap	A	B	C1	C2	D
R	32.02	20.48	N/A	N/A	22.25
F	30.81	20.48	N/A	N/A	22.25
SP	33.63	20.48	N/A	N/A	22.25
RV	33.17	20.48	N/A	N/A	22.25

Nominal Four Foot Fixture Legend

End Cap	A	B	C1	C2	D
R	56.02	44.48	3.00	6.00	46.25
F	54.81	44.48	3.00	6.00	46.25
SP	57.63	44.48	3.00	6.00	46.25
RV	57.17	44.48	3.00	6.00	46.25

MLHA8

8.00"

4.00"

A

B

D

C

(6) .312" DIA X .625" SLOT

.875 " DIA WIRE-FEED K.O./
.750" DIA PENDANT MNT

(1) 1.50 " DIA. K.O.
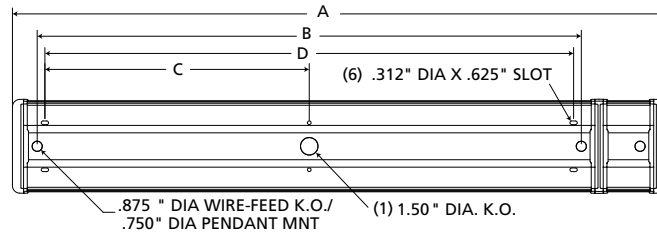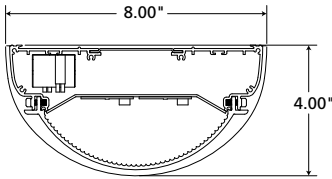
Nominal Two Foot Fixture Legend

End Cap	A	B	C	D
R	31.52	22.31	N/A	21.00
F	30.31	22.31	N/A	21.00
RV	33.63	22.31	N/A	21.00

Nominal Four Foot Fixture Legend

End Cap	A	B	C	D
R	55.52	46.31	22.50	45.00
F	54.31	46.31	22.50	45.00
RV	57.63	46.31	22.50	45.00

MLHA12

12.00"

3.77"

A

B

D

C

(6) .312" DIA X .625" SLOT

.875" DIA WIRE-FEED K.O./
.750" DIA PENDANT MNT

(1) 2.000" DIA. K.O.
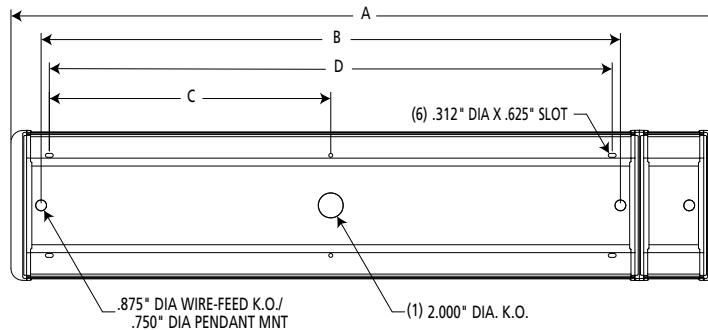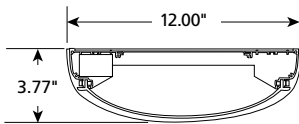
Nominal Two Foot Fixture Legend

End Cap	A	B	C	D
R	32.63	22.31	N/A	21.00
F	30.80	22.31	N/A	21.00
RV	35.34	22.31	N/A	21.00

Nominal Four Foot Fixture Legend

| End Cap	A	B	C	D
R	56.63	46.31	22.50	45.00
F	54.81	46.31	22.50	45.00
RV	59.34	46.31	22.50	45.00

TL50 Remote Controller Instructions*

ON/OFF OVER-RIDES

Pressing **ON/OFF** will move the luminaire light output to 100% or 0%, respectively.

TEST 2S puts the system into test mode. In test mode, the Time Out Delay is reduced to 2 seconds.

8H will move the luminaire light output to 100% for 8 consecutive hours

NOTE: Occupancy detection and daylight harvesting are disabled in all Over-ride modes
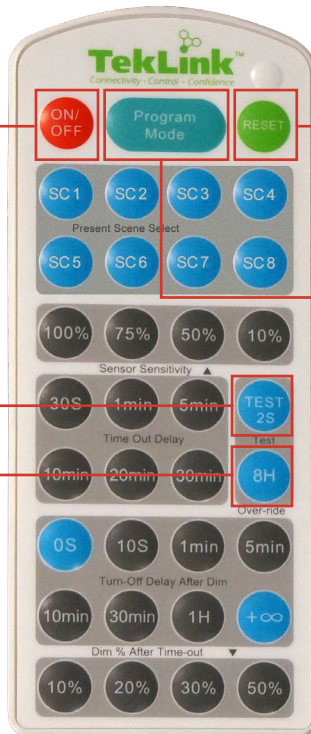
ESCAPE FUNCTIONS

RESET reverts sytem back to factory settings listed below:

Time Out Delay: 20 minutes
Turn-Off Delay: +∞
Dim% After Time-out: 30%
Daylight: Inactive

PROGRAM MODE is used to:
1) Exit an Over-Ride function (ON/OFF, TEST 2S, 8H)
2) Restore previous settings

AUTO SETTINGS

The TL50 remote controller contains eight available scenes which set the Occupancy Time-out period, Turn-off Delay, Non occupancy Dim %, and Occ Light Level Target with the push of a button.

Below are the pre-set conditions for each button:

BUTTON	OCC TIME-OUT PERIOD	TURN-OFF DELAY	NON-OCC DIM %	OCC LIGHT LEVEL TARGET LIGHT
SC1	20 min	∞	10%	5 ft-c
SC2	20 min	∞	30%	5 ft-c
SC3	10 min	∞	10%	10 ft-c
SC4	10 min	∞	30%	10 ft-c
SC5	5 min	∞	10%	5 ft-c
SC6	5 min	∞	30%	5 ft-c
SC7	5 min	∞	50%	5 ft-c
SC8	5 min	∞	50%	10 ft-c
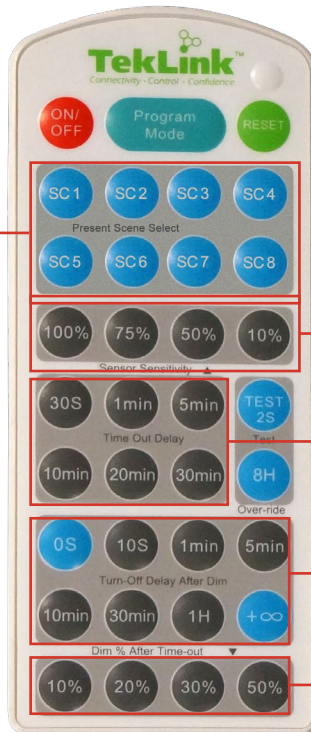
MANUAL SETTINGS

Sets sensor sensitivity to occupancy detection

Sets the time period from when the system will go from the Occupancy light level to the Non-Occupancy Dim %

Sets the time period from when the system will go from the Non-Occupancy Dim % to OFF.

Non-Occupancy Dim Level %

*TL50 remote controller (TL50-RC1) sold separately. Requires two AAA batteries (not included).