

Shown with optional Cable Connector

Features:

- Network Powered Lighting via smartengine by wtec.
- Tunable White feature via smartengine's human centric smart lighting.
- Shallow square profile linear ambient LED luminaire.
- Flat snap-in style acrylic diffuser closes off the bottom of the housing and the LED light source.
- Compact design complies with all ADA requirements for public areas.
- Custom formulated high diffusion acrylic material allows for maximum light transmission while eliminating pixilation and hot spots.
- Optional integral side reflectors add both function and architectural contour.
- Nominal 4Ft., or 8Ft. long modules.
- Digital LED technology provides high efficacy and energy efficiency.
- Multiple power and light levels are offered as standard to allow meeting design and energy needs per application. Custom factory set levels available on request.
- Lumen maintenance; Reported L70 (hours) & L80 (hours) > 60,000.
- · CRI greater than 80.
- · Fixture lumens per watt ratios up to 139.
- American Made.









Fixture Type:

Job Information:



Ex: LW3-4-500-2930L/22W-1CH-35K-HTA



Optional

LW3

SERIES

LW3
Architectural
Linear
Ambient LED

Luminaire

NOMINAL LENGTH (FT)

4 45" Length 8 96" Length DRIVE CURRENT

XXXX
Custom
Lumen
Package.
Contact
Factory.

LUMEN OUTPUT

2930L / 22W 45" L 4030L / 32W 5600L / 46W 7150L / 64W 2990L / 22W

96" L4160L / 31W 5860L / 44W 8100L / 64W

XXXX
Custom
Lumen
Package.
Contact
Factory.

COLOR TEMP

30K 35K 40K

NUMBER OF

CHANNELS

1 CH

1 CH

2 CH

2 CH

1 CH

2 CH

2 CH

_{96" L}1 CH

45" L

50K Upon Request

TW 27K-65K

DIFFUSER

HTA High Transmission Acrylic

AW Acrylic White SIDE REFLECTORS

SR Symmetric Function Set of 2 Side Reflectors

AR
Asymmetric
Function 1
Side
Reflector

SRA
Symmetric
Function
Aperture
Reflectors

LED Modules

- High performance linear configured LED module boards
- Each board consists of multiple mid-power, high efficacy LEDs in a precise layout eliminating the need for supplemental heat sinking.
- The boards produce an even and diffuse light which maximizes optical efficiency.
- Color temperatues available: 3000K, 3500K and 4000K
- · Upon request: 5000K.

smartengine

- Network Powered Lighting delivers 18-48V and 150-700mA to power control light fixtures from a central smartengine device.
- No driver, node or active component at the fixture level.
- Factory or field programmable for custom drive currents offering desired lumen-per-foot performance.
- Integrated smartsensor or an RJ45 whip for external smartsensor.
- Smartsensor provides temperature, motion, light level, energy consumption and optimal BLE.
- Each channel will require a home run back to the smartengine.

Emergency Lighting-Optional

• smartengine is UL924 Listed.

Tunable White Option

- Field tunable range 2700K through 6500K.
- 80 CRI.

LED Lumen Package

- Cataloged standard lumen packages. See attached chart for full details.
- Custom lumen packages pre-set are optional with programmable drivers only. Contact factory for details.

Housing

- Fabricated from heavy gauge code grade cold rolled steel with a white polyester powder coating finish for long lasting durability.
- Housing ends are welded into place.
- Sufficient electrical kockouts are provided on the housing back and ends.

Reflector Options

- Side reflectors are factory installed or can be field installed to the housing.
- May be used individually for one-side asymmetric function or in pairs for dual-side symmetric function.
- Aperature option; a series of architectural aperatures allows a segment of up lighting.

Diffuser

- Flat profile snap-in style design.
- Extruded from custom formulated high transmission acrylic material.
- Linear ribbing for high LED performance.
- Optional white acrylic diffuser. Contact factory for full details.

Installations

- May be installed in any direction, individually or in continuous run applications.
- May be surface mounted or suspended.
- End knockouts for surface conduit entry.

Certificate of Safety Compliance and Listings

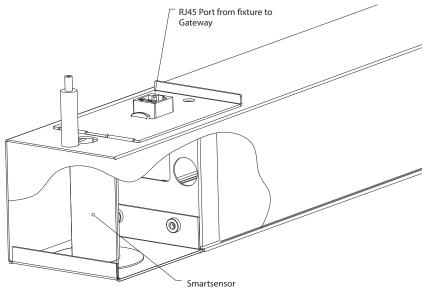
• Luminaire: UL and CUL listed 1598 and bears their label. Suitable for damp locations.

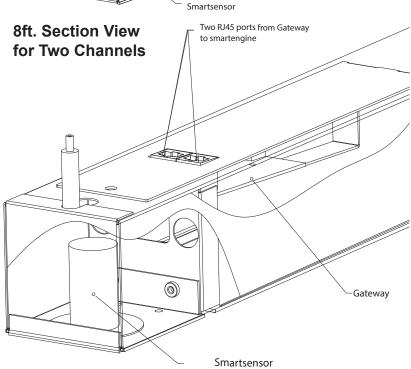
Warranty

- 5-year limited warranty is standard. Special 10-year warranty available on a job-to-job basis. Complete LED warranty terms available at www.mercltg.com.
- Actual performance may differ as a result of enduser environment and application.
- Most LED luminaires are suitable to operate in ambient temperatures from -20C (-4F) to 25C (77F)
- The following exclusions apply: Luminaires with standby lighting options or wireless control options. Consult Factory.
- LM-79 testing was measured under a controlled 25C (77F) ambient operating temperature.



4ft. Section View





Lumen Package

SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMEN PACKAGE	COLOR	FIXTURE POWER (W)	DELIVERED LUMENS	FIXTURE LPW
LW3	4					
		2930	3000	23	2844	123
		2930	3500	23	2932	127
		2930	4000	23	2990	130
		2930	5000	23	2990	130
		4030	3000	32	3912	122
		4030	3500	32	4033	126
		4030	4000	32	4113	128
		4030	5000	32	4113	128
		5600	3000	46	5449	118
		5600	3500	46	5618	122
		5600	4000	46	5730	125
		5600	5000	46	5730	125
		7150	3000	64	6930	108
		7150	3500	64	7144	111
		7150	4000	64	7287	114
		7150	5000	64	7287	114

SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMEN PACKAGE	COLOR	FIXTURE POWER (W)	DELIVERED LUMENS	FIXTURE LPW
LW3	8					
		2990	3000	22	2901	131
		2990	3500	22	2991	136
		2990	4000	22	3050	139
		2990	5000	22	3050	139
		4160	3000	31	4035	130
		4160	3500	31	4160	134
		4160	4000	31	4243	137
		4160	5000	31	4243	137
		5860	3000	44	5688	129
		5860	3500	44	5864	133
		5860	4000	44	5981	136
		5860	5000	44	5981	136
		8100	3000	66	7824	119
		8100	3500	66	8066	122
		8100	4000	66	8277	125
		8100	5000	66	8277	125

Actual wattage may differ by +/- 5% when operating between 120V-277 +/- 10%.

Hanging Accessories

Part #	Description
R5PF-100	Round 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.
R5-100	Round 5" canopy, Hanging hardware, 100" long 1/16" cable.
R2-100	Round 2" canopy, Hanging hardware, 100" long 1/16" cable.
S5PF-100	Square 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.
S5-100	Square 5" canopy, Hanging hardware, 100" long 1/16" cable.
S2-100	Square 2" canopy, Hanging hardware, 100" long 1/16" cable.

Part #	Description
VH-XX	"V" Hanger w/XX=48"L or 72"L Chain & "S" Hook
CPYS-1	S-1 Single Stem 5" Dia. Canopy
STMXX	XX=12"L, 48"L Stem/ 3/8" IPS-5/8" OD

Other cable lengths available.

Photometrics

All photometric reports are available at mercltg.com.

