

# Murro<sup>®</sup> HP

## Track Head



### Features

Murro<sup>®</sup> Vertical High Power offers you greater light output. With lumens over 3500 you can really make your walls pop. Small in size, high in output, Murro outperforms others, time after time. With unique optics and code-ready dimmability, Murro reduces your costs dramatically. It's a light so powerful, your walls have never looked better.

### Product Overview

Type:	Track Wall Wash
Wattage:	37
Lumen Output:	3501 max; 93.8 lm/W
Color Temp:	2700K, 3000K, 3500K, 4000K
CRI:	83 typ. or 90+ typ. Class A LED available
Dimming:	TRIAC & ELV (120/277VAC) - 5% Dim

### PROJECT:

### TYPE:

### Fixture Summary *(see following pages for more information)*

#### Performance Chart

Watts	Delivered Lumens	LPW	Color Temp
37	3501	93.8	3000K-83

*\*Data is based on 3000K-83, 120V IES files available on website*

#### Electrical Data

	37W	
	System Watts	Amps
120V	37	0.31
277V	37	0.13

*Electronic constant current LED driver*



**PROJECT:**

**TYPE:**

**Ordering Information**



**1** Model  
MURV-HP

**2** Wattage  
37

**3** Finish  
WT - white texture  
BT - black texture  
ST - silver texture  
*Other finishes, consult factory*

**4** Mounting  
Vertical:  
TN1 - Global GES/H-Style, 1 circuit, 120V  
TEK - Global TEK, 2 circuit/2 neutral, 120V  
TN3 - Global XTS, 3 circuit, 120V  
TN2 - Global HTEK, 2 circuit/2 neutral, 277V  
CT - J-Style, 1 or 2 circuit, 120V  
LOL - L-Style, 1 circuit, 120V  
CPR - Capri, 1 circuit, 120V  
B\* - busway, 120/277VAC,  
C - canopy, 120/277VAC  
CCL2-SCP - C-clamp, black, with straight cord\*\*, 6', 120V  
CCL2-CCP - C-clamp, black, with coil cord\*\*, 5', 120V  
**Notes:** \*Busway compact series B40,B60c only, consult factory for other busway adapters. Black busway adapter used for ST finish  
\*\*Black cord used for BT & ST finish, White cord used for WT finish

**5** Voltage  
120  
277

**6** Beam Spreads  
WW - wall wash

**7** Color Temp  
83 CRI: 90+ CRI:  
27 - 2700K-83 279\* - 2700K-90+ 3CLA - Class A  
30 - 3000K-83 309 - 3000K-90+  
35 - 3500K-83 359 - 3500K-90+  
40 - 4000K-83 409\* - 4000K-90+  
\* Consult factory for lead time

**8** Driver  
LE/TE - TRIAC/ELV dimming

**9** Options/Accessories  
VISU - visor up, finish matches fixture finish  
VISD - visor down, finish matches fixture finish

## PROJECT:

## TYPE:

### Specifications

#### Application

Retail, Grocery and Commercial wall wash lighting

#### Construction

Extruded aluminum driver housing  
Die-cast aluminum fixture head, front door, heat sink and driver housing end plates.  
No exposed wiring

#### Optical

0-90° tilt, 360° rotation  
Wall wash beam spread

#### LED

Color Temp Options:  
2200K, 2700K, 3000K, 3500K, Class A  
CRI: 83 typ. (2700K, 3000K, 3500K)  
90+ typ. (3000K, 3500K)  
Class A\* 3000K LED available  
R9 Values: 11 (83 CRI), 55 (90+ CRI)  
Binning: 3-step MacAdam ellipse (SDMC)  
Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs  
*\*Class A LED: Class A LED's have a CRI > 80 and a GAI > 80. CRI defines color "Naturalness" and GAI defines color "Saturation." Both being high delivers rich colors and pure whites.*

#### Electrical

Wattage: 37  
Electronic constant current LED driver, 120/277VAC input  
**This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Amerlux® recommends using additional surge protection with this unit (supplied by others), surge and over voltage damage is not covered under warranty.**

#### Driver

LE/TE - Leading Edge (Triac, Forward Phase) or Trailing Edge (ELV, Reverse Phase) autosensing driver dims down to 5% on most dimming systems.  
*See dimming pages for more information.*

#### Finish

Powder coat paint.  
Standard colors: White Texture, Black Texture, Silver Texture  
Consult factory for custom RAL powder coat finishes

#### Mounting

Track, canopy, c-clamp and busway.  
**Note: Recommend track fixture mounting to horizontal surface mounted/pendant mounted track only**

#### Certifications

Approved to UL standards as tested by CSA.  
Intended for indoor use only.

#### Warranty

5 year limited warranty

# Murro<sup>®</sup> HP

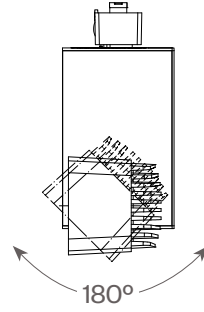
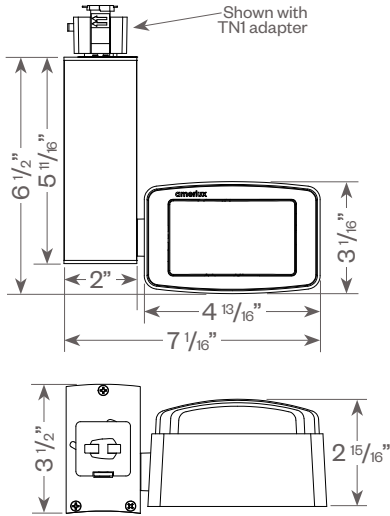
Track Head



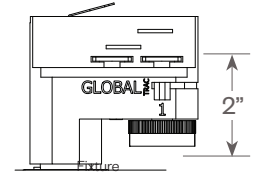
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**TYPE:**

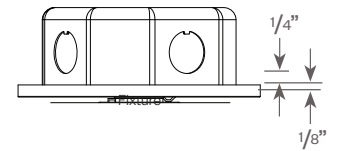
## Vertical



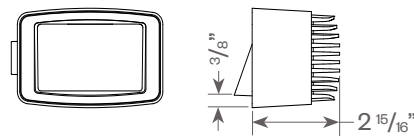
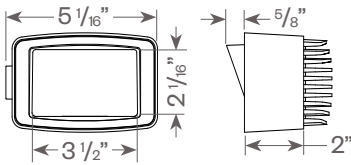
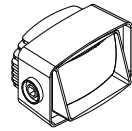
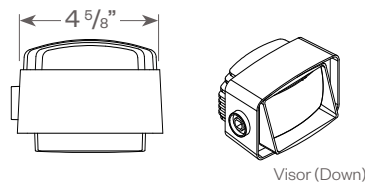
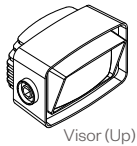
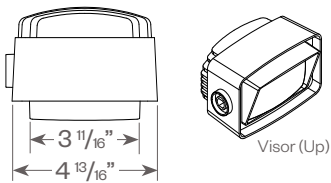
TEK/TN3/TN2



Canopy



## Accessories



**PROJECT:**

**TYPE:**

**FIXTURE DATA:** (Complete photometric data (.ies format) available upon request)

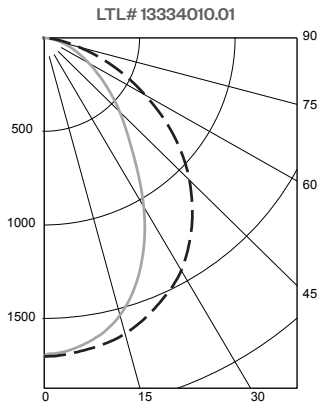
**MULTIPLYING FACTORS:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

CCT:	2700K-83	3000K-83	3500K-83	4000K-83	2700K-90+	3000K-90+	3500K-90+	4000K-90+	3CLA
Factor:	0.96	1.0	1.02	1.04	0.81	0.83	0.84	0.86	0.75

**MURRO LED WALL WASH 37W 3000K-83**

Source: 1 white LED array; Lumens: 3501

Track Mounting



**ZONAL LUMEN SUMMARY**

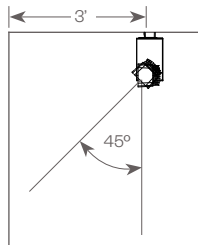
Zone	Lumens	%Fixt
0-40	1918	54.8
0-60	3004	85.8
0-90	3501	100.0
90-180	0	0.00

Efficacy (Lm/W = 93.8)

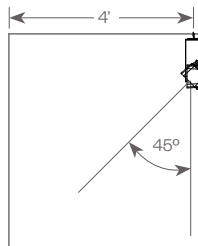
**Application Data:**

**Footcandles on Wall**

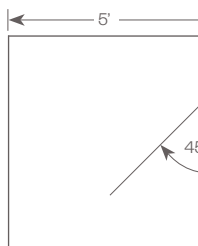
Footcandles are average and rounded off.  
Data for multiple units are based on a minimum of five units.



Distance from ceiling	6'									
	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'	6.5'	7.5'	8.5'	
0.5'	98	100	77	59	58	75	98	100		
1.5'	127	129	102	77	76	99	128	129		
2.5'	100	101	87	73	72	85	101	102		
3.5'	68	69	63	58	58	63	69	69		
4.5'	46	46	45	43	43	45	47	47		
5.5'	32	33	32	32	32	32	33	33		
6.5'	24	24	24	24	24	24	25	25		
7.5'	18	18	18	18	19	19	19	19		
8.5'	14	15	15	15	15	15	15	15		



Distance from ceiling	8'									
	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'	6.5'	7.5'	8.5'	
0.5'	54	54	47	37	31	32	37	46	54	54
1.5'	73	73	63	49	41	41	49	63	73	73
2.5'	70	70	61	51	44	44	51	61	70	70
3.5'	55	56	51	45	40	40	45	51	56	56
4.5'	42	42	39	36	35	35	37	39	42	42
5.5'	31	31	30	29	28	28	29	30	31	31
6.5'	24	24	24	23	23	23	23	24	24	24
7.5'	19	19	19	19	18	18	19	19	19	19
8.5'	15	15	15	15	15	15	15	16	16	16



Distance from ceiling	8'									
	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'	6.5'	7.5'	8.5'	
0.5'	h37	37	34	31	29	29	31	34	37	37
1.5'	50	50	46	40	37	37	40	46	50	50
2.5'	53	53	49	44	41	41	44	49	53	53
3.5'	48	48	45	42	40	40	42	45	48	48
4.5'	40	40	39	37	36	36	37	39	40	40
5.5'	32	32	32	31	31	31	31	32	33	33
6.5'	26	26	26	26	26	26	26	26	26	26
7.5'	21	22	22	21	21	21	21	21	22	22
8.5'	18	18	18	18	18	18	18	18	18	18

**PROJECT:**

**TYPE:**

**DIMMING COMPATIBILITY:**

Amerlux<sup>®</sup> Murro<sup>®</sup> fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (Dimmer, Fixture Quantity, Voltage, etc) may affect dimming performance.

**--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---**

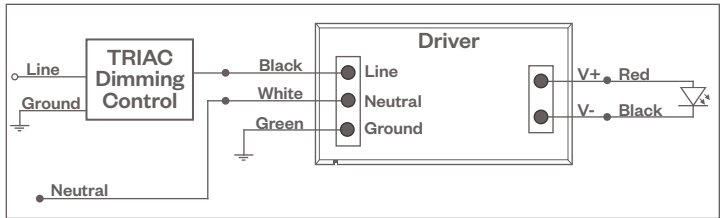
**TRIAC (Forward Phase) DIMMING (Standard)**

Utilizes standard TRIAC dimmers that are in wide use in installations across the US. Best for retrofit applications where TRIAC dimmers are installed.

**Notes:**

- 120VAC or 277VAC\*
- Dims down to 5% light output (most cases)
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

**TRIAC Wiring Diagram**



**Compatible Dimmers†:**

Wall Box (TRIAC 120VAC)	Central System
Lutron "Diva"	Lutron "GP" Panel
Lutron "Nova-T"	Lutron Grafik Eye QS
Lutron "Maestro"	
Lutron "Skylark"	

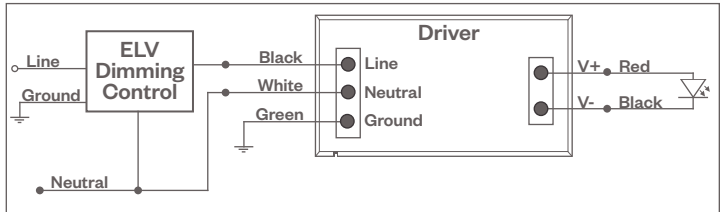
**ELV - Electronic Low Voltage (Reverse Phase) DIMMING (Standard)**

Utilizes specialized "ELV" dimmers.

**Notes:**

- 120VAC or 277VAC\*
- Dims down to 5% light output (most cases)
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!
- Must meet dimmer Minimum Load Requirements

**ELV Wiring Diagram**



**Compatible Dimmers†:**

Wall Box (ELV 120VAC)	Wall Box (ELV 277VAC)	Central System
Lutron "Diva"	Leviton Revoir II AWSMT-E	Lutron "GP" Panel with PHPM-PA 120/277VAC
Lutron "Nova-T"		Lutron Grafik Eye QS with PHPM-PA 120/277VAC
Lutron "Maestro"		
Lutron "Skylark"		
Leviton "Surslide"		
Leviton "Vizio"		

**Notes:**

- \* Driver is 277VAC dimmable with appropriate dimmer (by others). All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer manufacturer installation instructions for 277VAC wiring diagrams.
- † The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.