

Murro[®] HP

Track Head



Features

Murro[®] Vertical High Power offers you greater light output. With lumens over 4000 you can really make your walls pop. Small in size, high in output, Murro out performs 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:	47
Lumen Output:	4,292 max; 92 Lm/W
Color Temp:	2700K, 3000K, 3500K
CRI:	83 typ. (2700K, 3000K, 3500K) 90+ typ. (3000K, 3500K) Class A LED available
Dimming:	TRIAC & ELV (120/277VAC) - 5% Dim

**International version available, see website for spec sheet.*

PROJECT:

TYPE:

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

Performance Chart

Watts	Delivered Lumens	LPW	Color Temp
47	4,292	91.3	3000K-83

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

Electrical Data

	47W	
	System Watts	Amps
120V	47	0.39
277V	47	0.17

Electronic constant current LED driver



PROJECT:

TYPE:

Ordering Information



1 Model
MURV-HP

2 Wattage
47

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

4 Mounting
Vertical:
TN1 - Global GES 1cir/H-Style, 120V
TEK - Global TEK 2cir/2neut, 120V
TN3 - Global XTS 3cir, 120V
TN2 - Global HTEK 2cir/2neut, 277V
CT - J-Style, 120V
LOL - L-Style, 120V
CPR - Capri, 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-83 309 - 3000K-90+ 3CLA - Class A
30 - 3000K-83 359 - 3500K-90+
35 - 3500K-83
40 - 4000K-83

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 MacAdam (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: 47
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 less than 5% on most dimming system.
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[®] HP

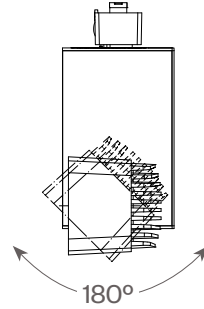
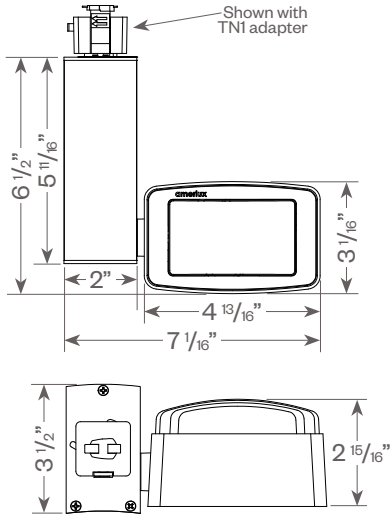
Track Head



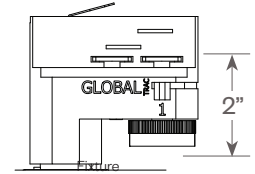
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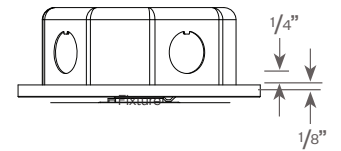
Vertical



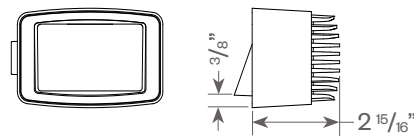
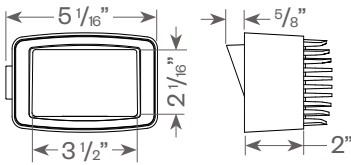
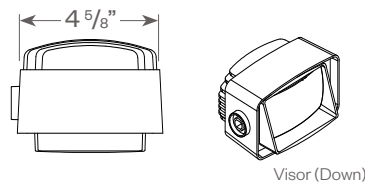
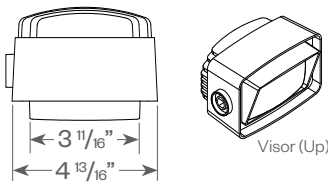
TEK/TN3/TN2



Canopy



Accessories



PROJECT:

TYPE:

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

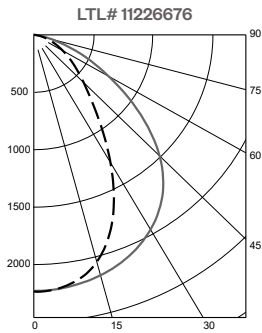
MULTIPLYING FACTORS: (Multiplying Factor is based on 3000K-83 120V IES file on website)

CCT:	2700K-83	3000K-83	3500K-83	4000K-83	2700K-90+	3000K-90+	3CLA
Factor:	0.96	1.0	1.02	1.04	0.80	0.83	0.75

MURRO LED WALL WASH 47W 3000K-83

Source: 1 white LED array Lumens: 4292

Track Mounting



ZONAL LUMEN SUMMARY

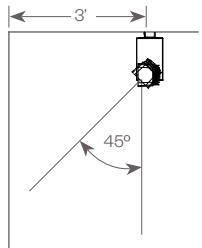
Zone	Lumens	%Fixt
0-40	2509	58.5
0-60	3787	88.2
0-90	4292	100.0
40-90	1080	37.76
90-180	0	0.00

Efficacy (Lm/W = 91.6)

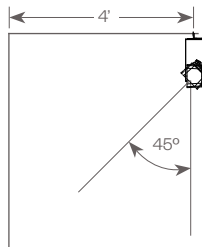
Application Data:

Footcandles on Wall

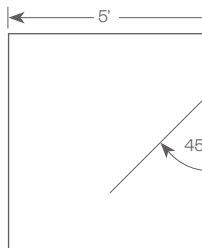
Footcandles are average and rounded off.
Data for multiple units are based on a minimum of five units.



Distance from ceiling	6'									
	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'	6.5'	7.5'	8.5'	
0.5'	182	188	97	49	47	90	183	189		
1.5'	171	175	110	58	56	104	172	176		
2.5'	120	123	91	59	57	89	122	124		
3.5'	80	81	67	51	51	66	80	81		
4.5'	53	54	49	42	42	48	54	54		
5.5'	38	38	36	34	34	36	38	38		
6.5'	28	28	28	28	28	28	29	29		
7.5'	22	23	23	23	23	23	23	23		
8.5'	19	19	19	19	19	19	19	19		



Distance from ceiling	8'									
	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'	6.5'	7.5'	8.5'	
0.5'	107	107	71	38	26	26	38	71	106	106
1.5'	109	109	80	46	31	31	46	79	109	109
2.5'	89	89	72	47	33	33	47	72	89	89
3.5'	67	67	57	43	32	32	43	58	67	67
4.5'	49	49	44	36	30	30	36	44	49	49
5.5'	36	36	34	30	27	27	30	34	36	36
6.5'	28	28	27	25	23	23	25	27	28	28
7.5'	22	22	21	21	20	20	21	22	22	22
8.5'	18	18	18	18	18	18	18	18	18	18



Distance from ceiling	8'									
	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'	6.5'	7.5'	8.5'	
0.5'	71	71	56	37	28	28	37	56	71	71
1.5'	77	77	62	44	33	33	44	63	77	77
2.5'	70	70	60	46	35	35	46	60	70	70
3.5'	58	58	52	42	35	35	42	52	58	58
4.5'	46	46	43	37	33	33	37	43	46	46
5.5'	36	36	35	32	30	30	32	35	36	36
6.5'	29	29	28	28	27	27	28	28	29	29
7.5'	24	24	24	23	23	23	24	24	24	24
8.5'	20	20	20	20	20	20	20	20	20	20

PROJECT:

TYPE:

DIMMING COMPATIBILITY:

Amerlux[®] Murro[®] 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 ---

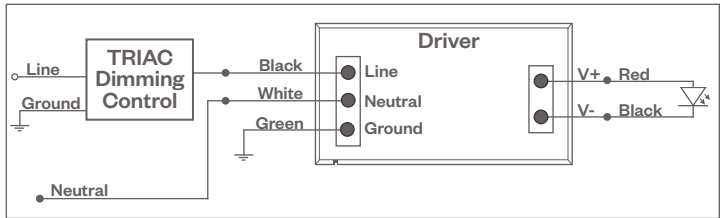
TRIAC (Forward Phase) DIMMING (Standard)

Utilizes "Standard" incandescent 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 less than 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 (Incandescent Style, Wattage as required)	Central System
Lutron "Diva"	Lutron "GP" Panel
Lutron "Nova-T"	Lutron Grafik Eye QS
Lutron "Maestro"	
Lutron "Vareo"	
Lutron "Skylark"	

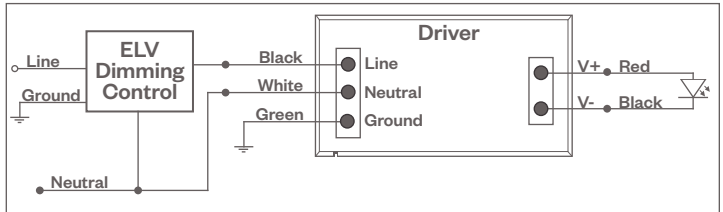
ELV - Electronic Low Voltage (Reverse Phase) DIMMING (Standard)

Utilizes specialized "ELV" dimmers.

Notes:

- 120VAC or 277VAC*
- Dims down to less than 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 Style)	Central System
Lutron "Diva"	Lutron "GP" Panel with PHPM-PA Interface
Lutron "Nova-T"	Lutron Grafik Eye QS with PHPM-PA Interface
Lutron "Maestro"	
Lutron "Vareo"	
Lutron "Skylark"	

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 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.