

# FLEXRAIL<sup>2</sup>

---



ARCHITECTURAL  
LIGHTING

# FLEXRAIL2

---

## CONTENTS

### LINE VOLTAGE TRACK HEADS

- PAR20 ..... 4-7
- PAR30, PAR38 ..... 4-8
- T-I50-S ..... 9

### LOW VOLTAGE TRACK HEADS

- ARI11 ..... 11-12
- PAR36 ..... 11
- MRI6 ..... 13-17

### METAL HALIDE TRACK HEADS

- CDM PAR20, PAR30, PAR38 ..... 19-20

### COMPACT FLUORESCENT TRACK HEADS

- TWIN TUBE T5 ..... 22-23

### FLEXRAIL2 PENDANT

- AI9, PAR20, PAR30 ..... 25

### LINE VOLTAGE PENDANTS

- 400 SERIES ..... 26
- PENDANT SOCKET SET ..... 26

### QUICK CONNECT ADAPTER

- QUICK CONNECT ADAPTER ..... 27-28

### RAIL & COMPONENTS

- RAIL & COMPONENTS ..... 29-30
- BENDING MACHINE ..... 29
- SUSPENSION & POWER FEEDS ..... 29

### SYSTEM

- 2 CIRCUIT WIRING ..... 31
- DESIGN CONSIDERATIONS ..... 32
- PHOTOMETRICS ..... 33-35

### INDEX

- INDEX ..... 36

# FLEXRAIL2

---



The **FLEXRAIL2** system by W2 Architectural Lighting is the truest combination of art and science.

**FLEXRAIL2** represents W2's latest innovation in track lighting. **FLEXRAIL2** is a line voltage bendable 2-circuit track lighting system with a capacity of 2400 watts per circuit or 4800 watts total. This high capacity track is engineered for commercial applications where luminaire choice, flexibility and high performance is desired.

**FLEXRAIL2's** two circuits may be switched independently enabling one circuit to be used for ambient lighting or wall washing while the second circuit may be used for accent lighting. This type of lighting scheme creates an enhanced interior environment with more dimension and depth.

The **FLEXRAIL2** system offers a complete array of both low voltage and line voltage spots, floods, wall washers and pendants in both our platinum and new bronze finish. When combined with our **QUICK CONNECT** adapter, there are well over 200 track head and pendant styles to choose from.

## FLEXRAIL2 – LINE VOLTAGE



# FLEXRAIL2 – LINE VOLTAGE

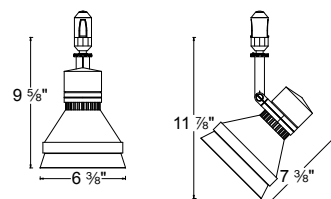
## PAR20, PAR30, PAR38



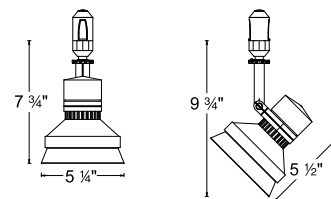
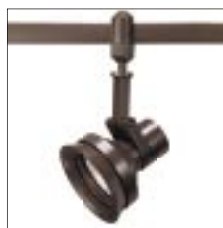
HM-737 PAR38

- Ideal for retail and commercial applications where lockable aiming, high performance, fit and finish are important.
- Specification grade die cast aluminum track heads ensure solid construction and superior heat dissipation.
- Precise directional adjustment (350° horizontal and 90° vertical) with integral aiming indicators.
- Die cast threaded lens cap allows the simultaneous use of up to two captive lens accessories.
- Durable abrasion resistant paint finish.
- Wide variety of PAR lamp beam patterns and wattages available for application specific lighting.

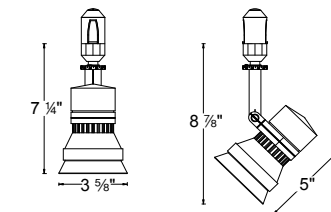
MODEL	FINISH	LAMP	MAX WATT
HM-737-PT	Platinum	PAR38	150w
HM-737-BZ	Bronze	PAR38	150w



MODEL	FINISH	LAMP	MAX WATT
HM-727-PT	Platinum	PAR30	75w
HM-727-BZ	Bronze	PAR30	75w



MODEL	FINISH	LAMP	MAX WATT
HM-715-PT	Platinum	PAR20	50w
HM-715-BZ	Bronze	PAR20	50w



### Accessories for series 715, 727 and 737

Cross Louver	<b>LENS-XX-CRL</b>
Honeycomb Louver	<b>LENS-XX-HCL</b>
Colored Lenses	<b>LENS-XX-COLOR</b>
Dichroic Lenses	<b>LENS-XX-DIC-COLOR</b>
Specify <i>COLOR</i>	<b>AMB</b> (Amber), <b>BLU</b> (Blue), <b>GRN</b> (Green), <b>RED</b> (Red), <b>YEL</b> (Yellow)

XX=Lamp size (20= PAR20, 30= PAR30, 38= PAR38)  
 Example **LENS-30-AMB**

# FLEXRAIL2 – LINE VOLTAGE

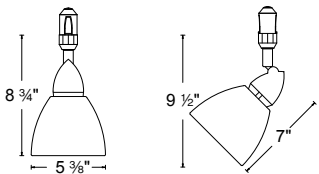
PAR20, PAR30, PAR38



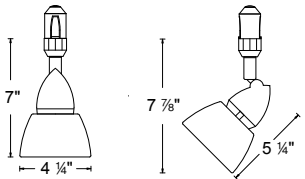
HM-785 PAR38

- Ideal for retail, commercial and presentation type applications where performance and easy adjustments are essential.
- Elegant form shields the lamp from lateral viewing angles.
- Easy use swivel element provides positive aiming position.
- Spun aluminum body with decorative vents for cooler operation.
- Lamp beam spreads available from 10° spot to 60° wide flood to allow for application specific lighting.

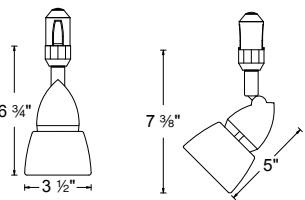
MODEL	FINISH	LAMP	MAX WATT
HM-785-PT	Platinum	PAR38	150w
HM-785-BZ	Bronze	PAR38	150w



MODEL	FINISH	LAMP	MAX WATT
HM-784-PT	Platinum	PAR30	75w
HM-784-BZ	Bronze	PAR30	75w



MODEL	FINISH	LAMP	MAX WATT
HM-783-PT	Platinum	PAR20	50w
HM-783-BZ	Bronze	PAR20	50w



# FLEXRAIL2 – LINE VOLTAGE

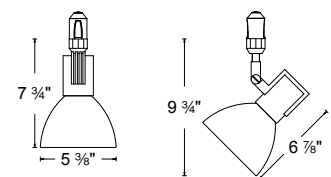
## PAR20, PAR30, PAR38



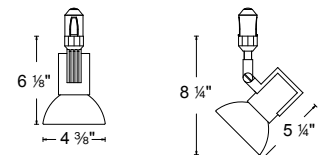
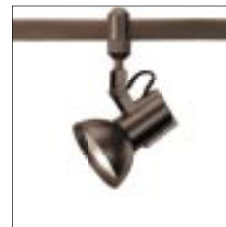
HM-775 PAR38

- Ideal for retail, commercial and presentation type applications where high performance and maximum adjustability is desired.
- Specification grade track head with lockable aiming capabilities.
- Lamp beam spreads available from 10° spot to 60° wide flood to allow for application specific lighting.
- Durable abrasion resistant powder coat paint finish.
- Die cast fins provide superior heat dissipation while providing track heads with a modern look.

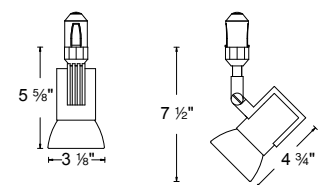
MODEL	FINISH	LAMP	MAX WATT
HM-775-PT	Platinum	PAR38	150w
HM-775-BZ	Bronze	PAR38	150w



MODEL	FINISH	LAMP	MAX WATT
HM-774-PT	Platinum	PAR30	75w
HM-774-BZ	Bronze	PAR30	75w



MODEL	FINISH	LAMP	MAX WATT
HM-773-PT	Platinum	PAR20	50w
HM-773-BZ	Bronze	PAR20	50w



# FLEXRAIL2 – LINE VOLTAGE

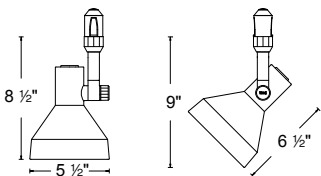
## PAR20, PAR30, PAR38



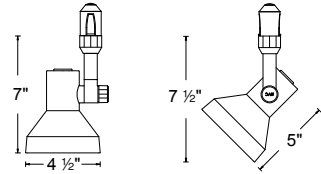
HM-738 PAR38

- Ideal for retail, commercial and presentation type applications where high performance and maximum adjustability are important.
- Patented cast swivel, stem and locking knob provides positive aiming positions.
- Lamp beam spreads available from 10° spot to 60° wide flood to allow for application specific lighting.
- Classical form blends into many environments.

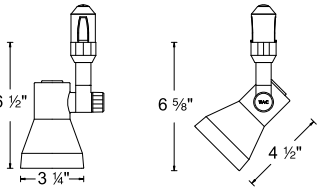
MODEL	FINISH	LAMP	MAX WATT
HM-738-PT	Platinum	PAR38	150w
HM-738-BZ	Bronze	PAR38	150w



MODEL	FINISH	LAMP	MAX WATT
HM-730-PT	Platinum	PAR30	75w
HM-730-BZ	Bronze	PAR30	75w



MODEL	FINISH	LAMP	MAX WATT
HM-720-PT	Platinum	PAR20	50w
HM-720-BZ	Bronze	PAR20	50w





# FLEXRAIL2 – LINE VOLTAGE

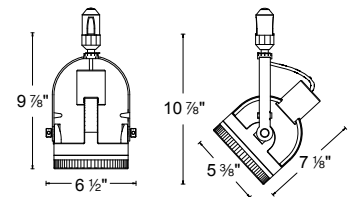
## PAR30, PAR38



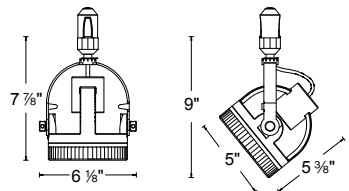
HM-757 PAR38

- Ideal for retail and presentation type applications where maximum adjustability is needed.
- Each track head is equipped with integral degree indicators for precise aiming angles.
- Lamp beam spreads available from 10° spot to 60° wide flood to allow for application specific lighting.
- Die cast decorative lens cap allows the use of two captive lens accessories simultaneously.

MODEL	FINISH	LAMP	MAX WATT
HM-757-PT	Platinum	PAR38	150w
HM-757-BZ	Bronze	PAR38	150w



MODEL	FINISH	LAMP	MAX WATT
HM-747-PT	Platinum	PAR30	75w
HM-747-BZ	Bronze	PAR30	75w



### Accessories for series 747 and 757

Cross Louver	<b>LENS-XX-CRL</b>
Honeycomb Louver	<b>LENS-XX-HCL</b>
Colored Lenses	<b>LENS-XX-COLOR</b>
Dichroic Lenses	<b>LENS-XX-DIC-COLOR</b>
Specify <b>COLOR</b>	<b>AMB</b> (Amber), <b>BLU</b> (Blue), <b>GRN</b> (Green), <b>RED</b> (Red), <b>YEL</b> (Yellow)

XX=Lamp size (30= PAR30, 38= PAR38)  
 Example **LENS-30-AMB**

# FLEXRAIL2 – LINE VOLTAGE

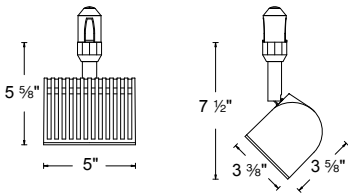
## J-150-S



- Ideal for retail and commercial applications where high FC levels or large area of coverage is required.
- Die cast body and baffle provide a decorative element and superior heat dissipation.
- Easy use swivel element provides positive adjustability and aiming position.
- Wide flood beam spread for wall washing applications.
- Innovative design allows tool-less relamping.
- Uses double ended quartz halogen J-150-S lamp (included).

MODEL	FINISH	LAMP	MAX WATT
HM-150-PT	Platinum	J-150-S	150w
HM-150-BZ	Bronze	J-150-S	150w

HM-150 J-150-S



## FLEXRAIL2 – LOW VOLTAGE



# FLEXRAIL2 – LOW VOLTAGE

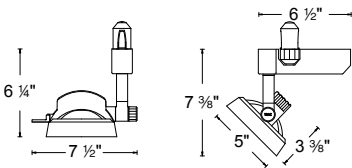
## AR111, PAR36



HM-936 PAR36 / AR111

- Ideal for retail, commercial and presentation type applications where high performance and maximum adjustability are important.
- Features patented cast swivel, stem and locking knob to provide positive aiming.
- These track heads feature an integral electronic low voltage transformer with auto reset, soft start and short circuit protection technologies.

MODEL	FINISH	LAMP	MAX WATT
HM-936-PT	Platinum	AR111/PAR36	50w
HM-936-BZ	Bronze	AR111/PAR36	50w
HM-936L-PT	Platinum	AR111	75w
HM-936L-BZ	Bronze	AR111	75w



# FLEXRAIL2 – LOW VOLTAGE

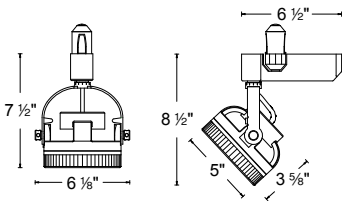
## ARIII



HM-935L ARIII

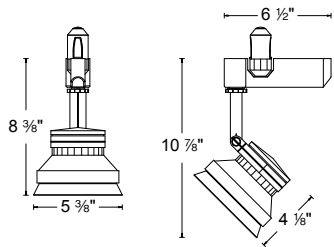
- Ideal for retail and presentation type applications where maximum adjustability is desired.
- Each track head is equipped with integral degree indicators to show precise aiming angle.
- Lamp beam spreads available from 10° spot to 60° wide flood to allow for application specific lighting.
- Features a threaded lens cap with die cast cap ring allowing the use of up to two captive lens accessories simultaneously.
- These track heads feature an integral electronic low voltage transformer with auto reset, soft start and short circuit protection technologies.

MODEL	FINISH	LAMP	MAX WATT
HM-935L-PT	Platinum	ARIII	75w
HM-935L-BZ	Bronze	ARIII	75w



HM-939 ARIII

MODEL	FINISH	LAMP	MAX WATT
HM-939-PT	Platinum	ARIII	50w
HM-939-BZ	Bronze	ARIII	50w
HM-939L-PT	Platinum	ARIII	75w
HM-939L-BZ	Bronze	ARIII	75w



### Accessories for series 935 and 939

Cross Louver	LENS-III-CRL
Honeycomb Louver	LENS-III-HCL
Colored Lenses	LENS-III-COLOR
Dichroic Lenses	LENS-III-DIC-COLOR
Snoot	LENS-III-SNOOT
Specify COLOR	AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)

Example LENS-III-AMB



# FLEXRAIL2 – LOW VOLTAGE

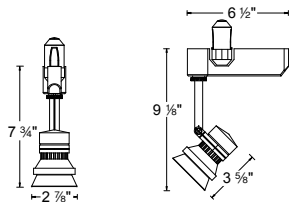
## MR16



HM-163 MR16

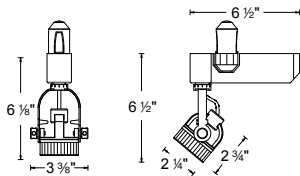
- Ideal for retail, commercial and presentation type applications where precise beam control and maximum adjustability are important.
- Precise directional adjustment (350° horizontal and 90° vertical) with integral aiming indicators.
- These track heads feature a threaded lens cap with die cast cap ring allowing the use of up to two captive lens accessories simultaneously.
- These track heads feature an integral electronic low voltage transformer with auto reset, soft start and short circuit protection technologies.

MODEL	FINISH	LAMP	MAX WATT
HM-163-PT	Platinum	MR16	50w
HM-163-BZ	Bronze	MR16	50w
HM-163L-PT	Platinum	MR16	75w
HM-163L-BZ	Bronze	MR16	75w



HM-164 MR16

MODEL	FINISH	LAMP	MAX WATT
HM-164L-PT	Platinum	MR16	75w
HM-164L-BZ	Bronze	MR16	75w



### Accessories for series 163 and 164

Cross Louver	LENS-16-CRL
Honeycomb Louver	LENS-16-HCL
Colored Lenses	LENS-16-COLOR
Dichroic Lenses	LENS-16-DIC-COLOR
Specify COLOR	AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)

Example LENS-16-AMB

# FLEXRAIL2 – LOW VOLTAGE

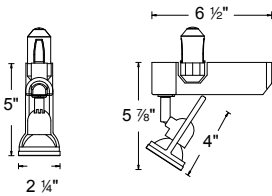
## MR16



HM-826 MR16

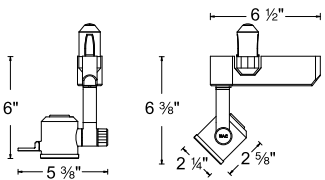
- Ideal for retail, commercial and presentation type applications where decorative low profile luminaires are desired.
- Die cast aluminum track heads with durable abrasion resistant powder coat paint finish.
- These units feature an integral electronic low voltage transformer with auto reset, soft start and short circuit protection.
- Easy use swivel element provides positive adjustability and aiming position.

MODEL	FINISH	LAMP	MAX WATT
HM-826-PT	Platinum	MR16	50w
HM-826-BZ	Bronze	MR16	50w
HM-826L-PT	Platinum	MR16	75w
HM-826L-BZ	Bronze	MR16	75w



HM-846 MR16

MODEL	FINISH	LAMP	MAX WATT
HM-846-PT	Platinum	MR16	50w
HM-846-BZ	Bronze	MR16	50w
HM-846L-PT	Platinum	MR16	75w
HM-846L-BZ	Bronze	MR16	75w



### Accessories for series 826 and 846

Honeycomb Louver	<b>LENS-I6-HCL</b>
UV Filter	<b>LENS-I6-UVF</b>
Colored Lenses	<b>LENS-XX-COLOR</b>
Dichroic Lenses	<b>LENS-XX-DIC-COLOR</b>
Specify <i>COLOR</i>	<b>AMB</b> (Amber), <b>BLU</b> (Blue), <b>GRN</b> (Green), <b>RED</b> (Red), <b>YEL</b> (Yellow)
<i>XX=Lamp size</i>	(I6= MR16)
<i>Example</i>	<b>LENS-I6-AMB</b>



# FLEXRAIL2 – LOW VOLTAGE

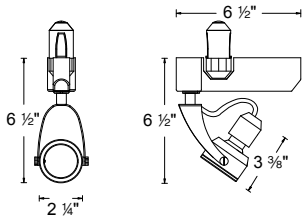
## MR16



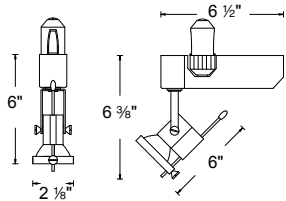
HM-849 MR16

- Ideal for retail, commercial and presentation type applications where modern and unique styling are desired.
- These units feature an integral electronic low voltage transformer with auto reset, soft start and short circuit protection.
- Lens cap allows the use of a single captive lens accessory.
- Wide variety of MR16 lamp beam patterns and wattages available for application specific lighting.

MODEL	FINISH	LAMP	MAX WATT
HM-849-PT	Platinum	MR16	50w
HM-849-BZ	Bronze	MR16	50w
HM-849L-PT	Platinum	MR16	75w
HM-849L-BZ	Bronze	MR16	75w



MODEL	FINISH	LAMP	MAX WATT
HM-876-PT	Platinum	MR16	50w
HM-876-BZ	Bronze	MR16	50w
HM-876L-PT	Platinum	MR16	75w
HM-876L-BZ	Bronze	MR16	75w



HM-876 MR16

### Accessories for series 849 and 876

Honeycomb Louver	<b>LENS-I6-HCL</b>
UV Filter	<b>LENS-I6-UVF</b>
Colored Lenses	<b>LENS-I6-COLOR</b>
Dichroic Lenses	<b>LENS-I6-DIC-COLOR</b>
Specify <i>COLOR</i>	<b>AMB</b> (Amber), <b>BLU</b> (Blue), <b>GRN</b> (Green), <b>RED</b> (Red), <b>YEL</b> (Yellow)
Example	<b>LENS-I6-AMB</b>





# FLEXRAIL2 – LOW VOLTAGE

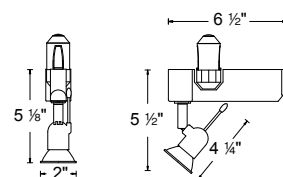
## MR16/MRI1



HM-816 MRI6G/MRI1G

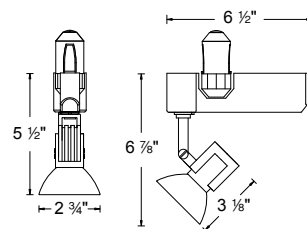
- Ideal for retail, commercial and presentation type applications where precise beam control and maximum adjustability are important.
- These units feature an integral electronic low voltage transformer with auto reset, soft start and short circuit protection.
- Die cast aluminum track heads with durable abrasion resistant powder coat paint finish.
- Series 816 has an aiming wand which allows easy adjustment and positioning.
- Series 856 features die cast fins that provide a modern look and superior heat dissipation.

MODEL	FINISH	LAMP	MAX WATT
HM-816-PT	Platinum	MR16G/MRI1G	50w
HM-816-BZ	Bronze	MR16G/MRI1G	50w
HM-816L-PT	Platinum	MR16G	75w
HM-816L-BZ	Bronze	MR16G	75w



HM-856 MRI6G

MODEL	FINISH	LAMP	MAX WATT
HM-856-PT	Platinum	MR16G	50w
HM-856-BZ	Bronze	MR16G	50w
HM-856L-PT	Platinum	MR16G	75w
HM-856L-BZ	Bronze	MR16G	75w



### Accessories for series 816 and 856 w/Lens Clip\*

Honeycomb Louver	LENS-XX-HCL
UV Filter	LENS-XX-UVF
Colored Lenses	LENS-XX-COLOR
Dichroic Lenses	LENS-XX-DIC-COLOR
Specify COLOR	AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)
XX=Lamp size	(11 = MRI1, 16 = MRI6)
Example	LENS-16-AMB

\*Lens clip available in MRI6 only (LENS-16-CLIP)

# FLEXRAIL2 – LOW VOLTAGE

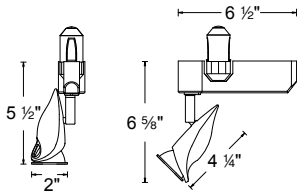
## MR16



HM-847 MR16G

- Ideal for retail, commercial and presentation type applications where modern and unique styling are preferred.
- This unit features an integral electronic low voltage transformer with auto reset, soft start and short circuit protection.
- Wide variety of MR16 lamp beam patterns and wattages available for application specific lighting.
- Swivel element provides positive adjustability and aiming.

MODEL	FINISH	LAMP	MAX WATT
HM-847-PT	Platinum	MR16G	50w
HM-847-BZ	Bronze	MR16G	50w
HM-847L-PT	Platinum	MR16G	75w
HM-847L-BZ	Bronze	MR16G	75w



**FLEXRAIL2 – METAL HALIDE HID**



# FLEXRAIL2 – METAL HALIDE HID

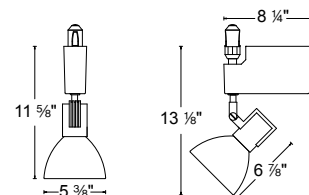
## CDM PAR20, PAR30, PAR38



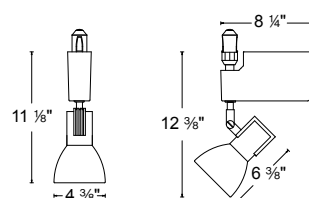
HM-775 CDM PAR38

- Ideal for retail, commercial and presentation type applications where high FC levels and crisp white light are preferred.
- Specification grade track head with lockable aiming position.
- Wide variety of PAR lamp beam patterns and wattages available for application specific lighting.
- Ceramic metal halide lamps provide long life, optimum CRI and color uniformity.
- Built-in ballast enclosure with on/off switch for easy maintenance and adjustability unique to W2 track heads.

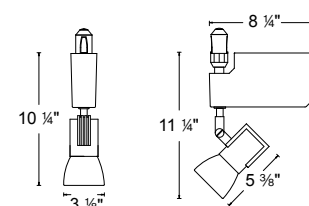
MODEL	FINISH	LAMP	MAX WATT
HM-775-MH70E-PT	Platinum	CDM PAR38	70w
HM-775-MH70E-BZ	Bronze	CDM PAR38	70w
HM-775-MH100E-PT	Platinum	CDM PAR38	100w
HM-775-MH100E-BZ	Bronze	CDM PAR38	100w



MODEL	FINISH	LAMP	MAX WATT
HM-774-MH39E-PT	Platinum	CDM PAR30	39w
HM-774-MH39E-BZ	Bronze	CDM PAR30	39w
HM-774-MH70E-PT	Platinum	CDM PAR30	70w
HM-774-MH70E-BZ	Bronze	CDM PAR30	70w



MODEL	FINISH	LAMP	MAX WATT
HM-773-MH39E-PT	Platinum	CDM PAR20	39w
HM-773-MH39E-BZ	Bronze	CDM PAR20	39w



# FLEXRAIL2 – METAL HALIDE HID

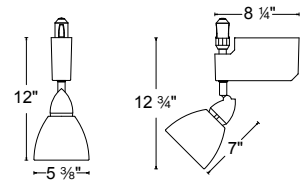
## CDM PAR20, PAR30, PAR38



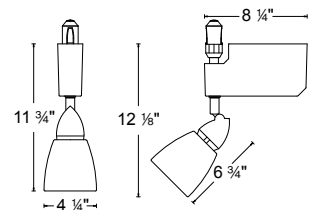
HM-785 CDM PAR38

- Ideal for retail, commercial and presentation type applications where high FC levels and crisp white light are essential.
- Spun aluminum body with decorative vents provide cooler operation.
- Easy directional adjustment (350° horizontal and 90° vertical).
- Ceramic metal halide lamps provide long life, optimum CRI and color uniformity.
- Built-in ballast enclosure with on/off switch for easy maintenance and adjustability not found in most types of HID track heads.

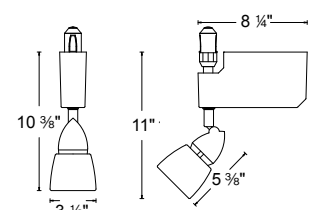
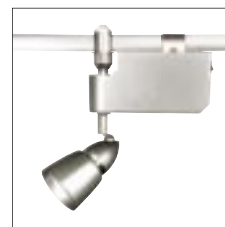
MODEL	FINISH	LAMP	MAX WATT
HM-785-MH70E-PT	Platinum	CDM PAR38	70w
HM-785-MH70E-BZ	Bronze	CDM PAR38	70w
HM-785-MH100E-PT	Platinum	CDM PAR38	100w
HM-785-MH100E-BZ	Bronze	CDM PAR38	100w



MODEL	FINISH	LAMP	MAX WATT
HM-784-MH39E-PT	Platinum	CDM PAR30	39w
HM-784-MH39E-BZ	Bronze	CDM PAR30	39w
HM-784-MH70E-PT	Platinum	CDM PAR30	70w
HM-784-MH70E-BZ	Bronze	CDM PAR30	70w



MODEL	FINISH	LAMP	MAX WATT
HM-783-MH39E-PT	Platinum	CDM PAR20	39w
HM-783-MH39E-BZ	Bronze	CDM PAR20	39w



## FLEXRAIL2 – COMPACT FLUORESCENT



# FLEXRAIL2 – COMPACT FLUORESCENT

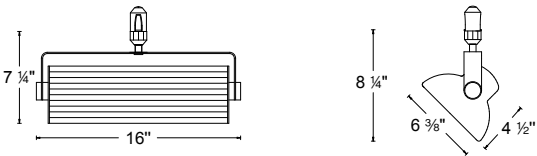
## TWIN TUBE T5 COMPACT FLUORESCENT



HM-W227 2 x 27w

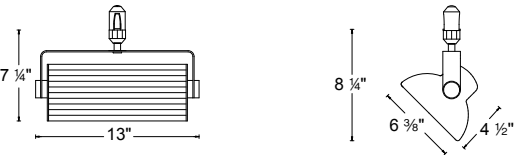
- High efficiency electronic ballasts provide cool and quiet lamp operation.
- Lumen output from 2100 lumens to 5400 lumens are available.
- Extruded aluminum body with decorative ridges.
- Specular aluminum reflector and matte louver included.
- Used for energy-efficient wall washing applications.

MODEL	FINISH	LAMP	MAX WATT
HM-W227-PT	Platinum	Twin-tube 4-pin	2 x 27w
HM-W227-BZ	Bronze	Twin-tube 4-pin	2 x 27w



HM-W218 2 x 18w

MODEL	FINISH	LAMP	MAX WATT
HM-W218-PT	Platinum	Twin-tube 4-pin	2 x 18w
HM-W218-BZ	Bronze	Twin-tube 4-pin	2 x 18w





# FLEXRAIL2 – COMPACT FLUORESCENT

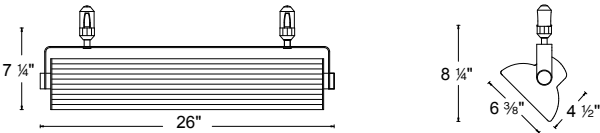
## TWIN TUBE T5 COMPACT FLUORESCENT



- High efficiency electronic ballasts provide cool and quiet lamp operation.
- Lumen output from 2100 lumens to 5400 lumens are available.
- Extruded aluminum body with decorative ridges.
- Specular aluminum reflector and matte louver included.
- Ideal for energy-efficient wall washing applications.

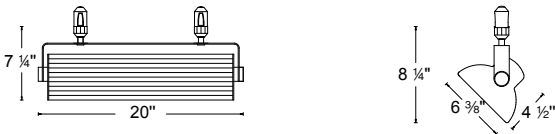
MODEL	FINISH	LAMP	MAX WATT
HM-W240-PT	Platinum	Twin-tube 4-pin	2 x 40w
HM-W240-BZ	Bronze	Twin-tube 4-pin	2 x 40w

HM-W240 2 x 40w



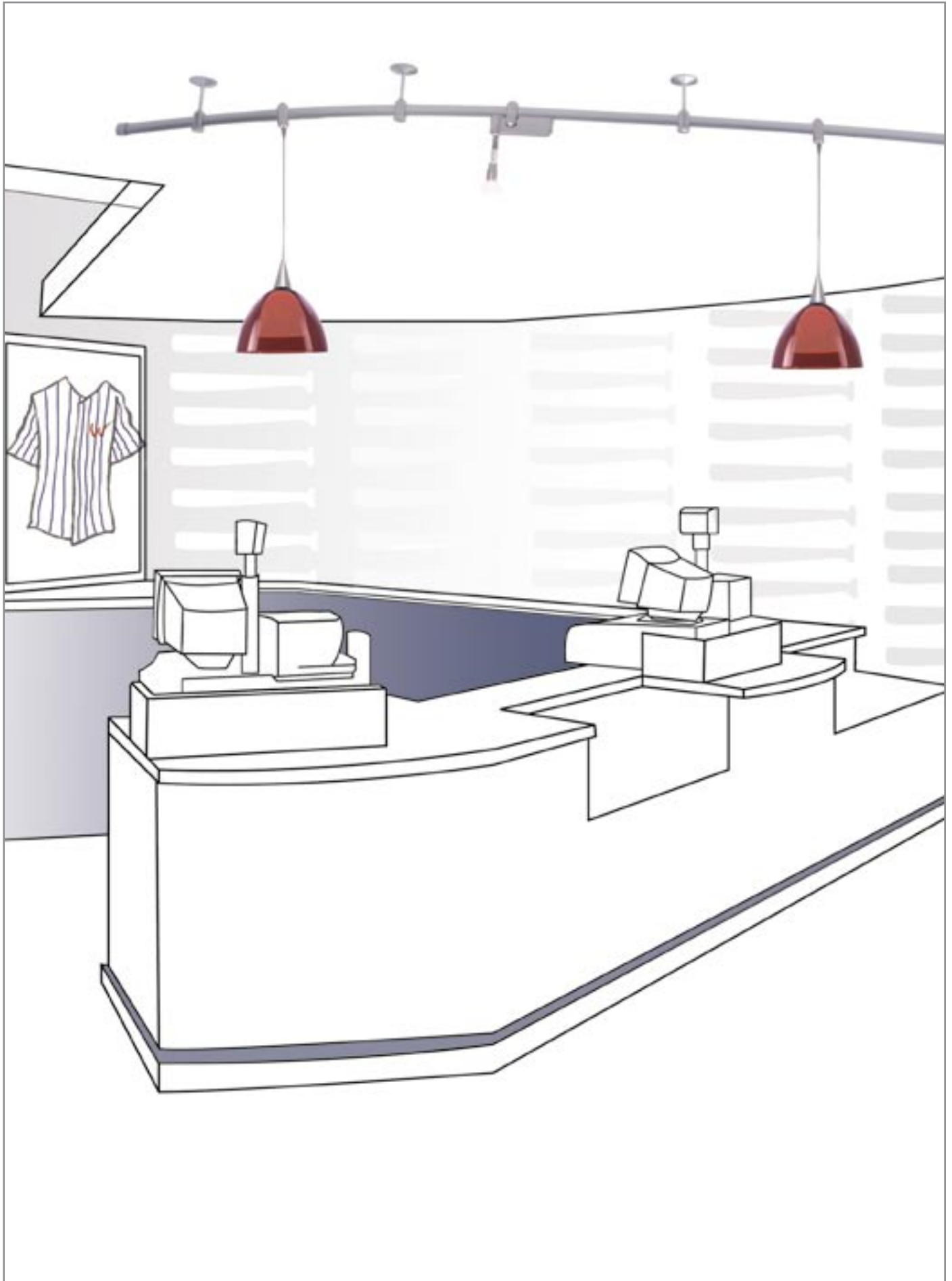
MODEL	FINISH	LAMP	MAX WATT
HM-W239-PT	Platinum	Twin-tube 4-pin	2 x 39w
HM-W239-BZ	Bronze	Twin-tube 4-pin	2 x 39w

HM-W239 2 x 39w





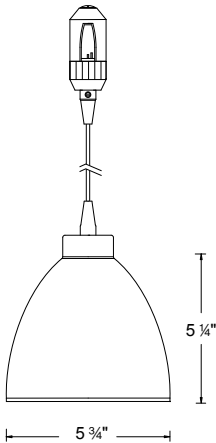
## FLEXRAIL2 – LINE VOLTAGE PENDANTS



# FLEXRAIL2 – FLEXRAIL2 PENDANT



- Series 415 pendant was designed exclusively for the Flexrail2 system.
- The provided diffuser lens softens the light.
- Shipped complete with the cord set, diffusion lens and track adapter.
- The provided 96" cord set can be field adjusted.



MODEL	FINISH
HM-PLD-G415-PT	Platinum
HM-PLD-G415-BZ	Bronze

LAMP	MAX WATT
A19	100w
PAR20	50w
PAR30	75w

# FLEXRAIL2 – LINE VOLTAGE PENDANT SELECTOR

## LINE VOLTAGE PENDANTS

**Series 401** 150w A21/G40 9"H x 11¾"Ø



**Series 402** 150w A21/G40 9¾"H x 11"Ø



**Series 403** 150w A21 10½"H x 8"Ø



**Series 404** 150w A21/G40 10"H x 11½"Ø **Series 405** 150w A21/G40 12¾"H x 12½"Ø



**Series 406** 150w A21/G40 10¾"H x 8½"Ø **Series 407** 150w A21/G40 10¾"H x 15¾"Ø



**Series 408** 150w A21/G40 11¾"H x 11"Ø



Ø = Diameter

W2 **LINE VOLTAGE PENDANTS** are adaptable to the Flexrail2 system with the HM-SOC96 96" socket set. The HM-SOC96 socket set is available in platinum finish with white cord or bronze finish with black cord.

Our collection of Line Voltage Pendants range from cased glass in basic shapes to more contemporary glass-over-glass designs. They feature attractive transparent colors, opals, opal-clear combinations and a variety of beautiful shapes.

### PENDANT SOCKET SET

For use with 400 series line-voltage pendant glass on this page.

Cord: 96" long and can be field shortened to custom lengths.

Diameter: 1½"

Order shades separately.

MODEL	FINISH	CORD
HM-SOC96-PT	Platinum	White
HM-SOC96-BZ	Bronze	Black

### Finish Key:

AM	Amber
BL	Blue
BN	Brushed Nickel
CB	Cobalt Blue
CO	Copper
GL	Gold
GR	Green
LB	Light Blue
OC	Opal/Clear
OPL	Opal
PR	Purple
RD	Red
TQ	Turquoise
WM	White Marble
WT	White

# FLEXRAIL2 – QUICK CONNECT ADAPTER

---



The **FLEXRAIL2 QUICK CONNECT (QC)** transformer adapter allows the use of any of the Quick Connect track heads and pendants with the **FLEXRAIL2** system. This allows for design continuity where the same QC track heads and pendants may be placed throughout an environment utilizing the W2 **FLEXRAIL2, MONOPOINT/ MULTIPOINT** and other track lighting systems.

We currently have over two hundred QC elements available for use with the **HM-EN50** transformer adapter. See our Quick Connect catalog to view the full track head and pendant selections or visit [w2lighting.com](http://w2lighting.com).

# FLEXRAIL2 – QUICK CONNECT ADAPTER



## HM-EN50 12V 50W TRANSFORMER

QC system transformer adapts Quick Connect elements for use with the FLEXRAIL2. Electronic transformers are equipped with auto-reset, soft start and short-circuit protection features. Finish: Platinum, Bronze

Low Voltage Quick Connect pendants provide good ambient light and the decorative touch desired by today's diverse lighting applications. See the W2 Quick Connect catalog or visit [w2lighting.com](http://w2lighting.com) for the full selection of elements.



Low Voltage Quick Connect track heads are multi-functional lighting design tools that meet the needs of your most demanding applications. See the W2 Quick Connect brochure or visit [w2lighting.com](http://w2lighting.com) for the full selection of elements.

# FLEXRAIL2 – RAIL & COMPONENTS

## Flexrail2 Rail

HM-T4 4' RAIL

HM-T8 8' RAIL

Finish: PT-Platinum, BZ-Bronze

Includes two end caps.



## End Cap

HM-EC

Finish: PT-Platinum, BZ-Bronze



## Flexrail2 Bending Machine

HM-BM

Used to make smooth, consistent bends in FLEXRAIL2.



## PRE-CURVED RAIL\*

		Radius†	Circle†	To Build A Circle	Rail Length
HM-T30D	30° Curved Rail	35"	70"	12 pieces	22"
HM-T45D	45° Curved Rail	23"	46"	8 pieces	22"
HM-T60D	60° Curved Rail	17"	34"	6 pieces	22"
HM-T90D	90° Curved Rail	12"	24"	4 pieces	22"

Finish: PT-Platinum, BZ-Bronze

\* Used when precise shapes (ie., rounded designs, etc.) are needed

† Nominal Dimensions



## SUSPENSION & POWER FEEDS



### Standard Standoff Suspension

MODEL	OAH
HM-X6	6"
HM-X12	12"
HM-X24	24"
HM-X36	36"
HM-X48	48"

Finish: PT-Platinum, BZ-Bronze

Canopy: 3"Ø



### Stem Power Feed Connector

MODEL	OAH
HM-PCT6	6"
HM-PCT12	12"
HM-PCT24	24"
HM-PCT36	36"
HM-PCT48	48"

Finish: PT-Platinum, BZ-Bronze

Canopy: 4½"Ø



### Sloped Ceiling Suspension

MODEL	OAH
HM-XS6	7¾"
HM-XS12	13¾"
HM-XS24	25¾"
HM-XS36	37¾"
HM-XS48	49¾"

Finish: PT-Platinum, BZ-Bronze

Canopy: 3"Ø



### Flexible Power Feed

MODEL	OAH
HM-PCC12	12"
HM-PCC24	24"
HM-PCC36	36"
HM-PCC48	48"
HM-PCC96	96"

Finish: PT-Platinum, BZ-Bronze

Canopy: 4½"Ø



### T-bar Ceiling Standoff Suspension

MODEL	OAH
HM-TB6	6"
HM-TB12	12"
HM-TB24	24"
HM-TB36	36"
HM-TB48	48"

Finish: PT-Platinum, BZ-Bronze

Canopy: 3"Ø

(T-BAR CLIP supplied)



### Suspended Ceiling Brace

HM-DCB-PT

Use in conjunction with standoffs and/or cable suspension supports.

OAH = Over All Height

Finish key: BZ-Bronze, PT-Platinum

# FLEXRAIL2 – COMPONENTS

## CONNECTORS



### Jumper Set

Flexible connection of two tracks WITH electrical continuity.

**HM-JSC12**  $\frac{7}{8}$ "H x 14  $\frac{3}{4}$ "L (12" wire)

**HM-JSC24**  $\frac{7}{8}$ "H x 26  $\frac{3}{4}$ "L (24" wire)

**HM-JSC36**  $\frac{7}{8}$ "H x 38  $\frac{3}{4}$ "L (36" wire)

Finish: PT-Platinum, BZ-Bronze



### "I" Connector

Connects two sections of track WITH electrical continuity.

MODEL	OAH
HM-I6	6"
HM-I12	12"
HM-I24	24"
HM-I36	36"
HM-I48	48"

Finish: PT-Platinum, BZ-Bronze

Canopy: 3"Ø



### "I" Dead-End Connector

Connects two sections of track with NO electrical connection.

MODEL	OAH
HM-IDEC6	6"
HM-IDEC12	12"
HM-IDEC24	24"
HM-IDEC36	36"
HM-IDEC48	48"

Finish: PT-Platinum, BZ-Bronze

Canopy: 3"Ø



### Variable Angle "I" Connector

Connects two sections of track WITH electrical continuity. Track can be connected at any angle up to 270°.

MODEL	OAH
HM-VA6	6"
HM-VA12	12"
HM-VA24	24"
HM-VA36	36"
HM-VA48	48"

Finish: PT-Platinum, BZ-Bronze

Canopy: 3"Ø



### Sloped Ceiling Adapter

**SK-I4S**

Used for "I" connector rods.

Finish: PT-Platinum, BZ-Bronze



### Field Shortening Adapter

**HM-XADJ**

Used for standoffs or "I" connector rods.

Finish: PT-Platinum, BZ-Bronze



### Rod Coupler

**XI**

Connects two standoffs or "I" connector rods together to form a longer drop.

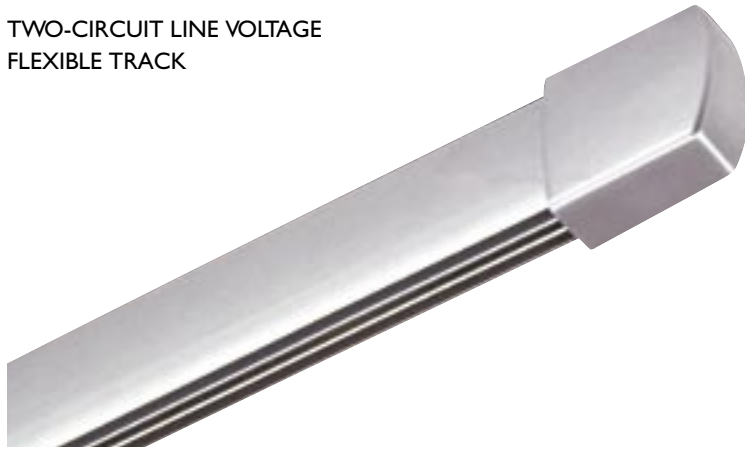
Finish: PT-Platinum, BZ-Bronze

OAH = Over All Height

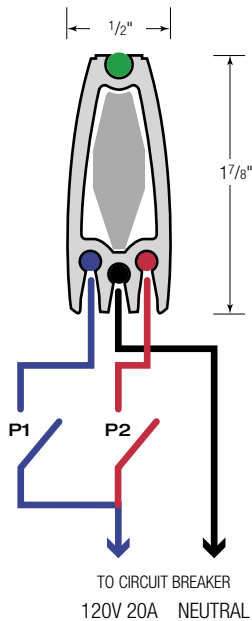
Finish key: BZ-Bronze, PT-Platinum

# FLEXRAIL2 – 2 CIRCUIT WIRING

## TWO-CIRCUIT LINE VOLTAGE FLEXIBLE TRACK

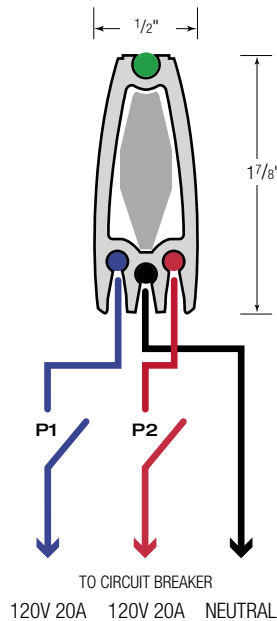


**W2 FLEXRAIL2** line voltage track enables the use of two separately controlled circuits on one section or run of track. Each circuit is rated at 2400 WATT (4800 WATT with two 20A feed) and allows the control of two individual sets of track heads. **FLEXRAIL2**, two-circuit track saves on installation costs by eliminating the need for long runs with separate electrical feeds.



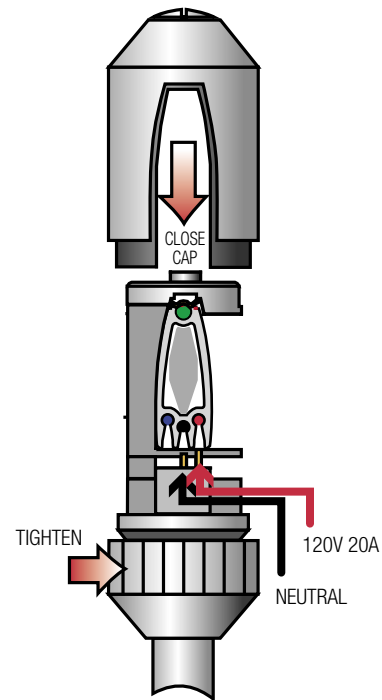
### One Feed Circuit two switches

Two switches on one feed circuit provide the convenience and flexibility to use two sets of track heads on a single run of track. Two sets of track heads may be used to light two areas or for two applications such as spot lighting and wall washing, all on a single run of track from a single feed point. Two circuit track is an economical way to light two areas from a single feed point, eliminating the need to run additional wiring and creating additional holes in the ceiling or wall. One circuit is limited to 120V 20A (2400 WATT).



### Two Feed Circuits two switches

Two switches with two feed circuits provide the same benefits of convenience and economy with the added benefit of doubling the electrical load capacity to 4,800 WATT (2 x 2400 WATT). This is ideal where long runs with many track heads are anticipated or for applications where many high-wattage track heads are to be used. Rated 3 wire, two circuit 120/240V, 60Hz, single phase with grounded neutral.

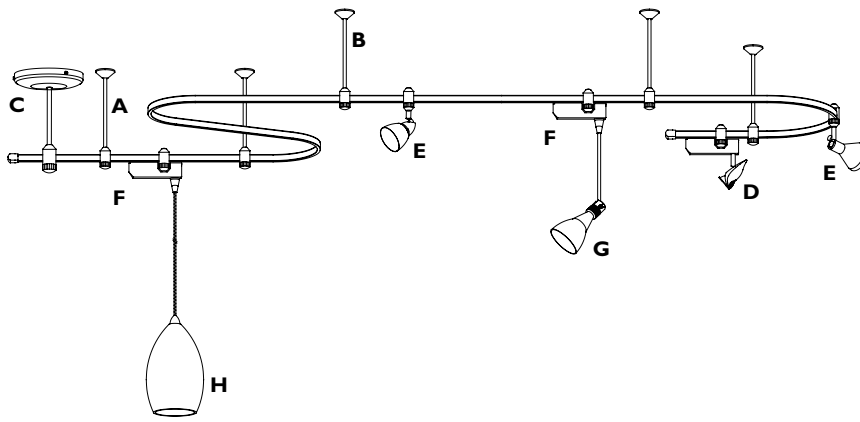


### Select Polarity two contacts

Each track head is equipped with two electrical contacts. Connecting the track head to the FLEXRAIL2 from the left will engage one circuit – Neutral + Red (shown). Connecting the track head to the FLEXRAIL2 from the opposite side will engage the other circuit – Neutral + Blue (not shown).



# FLEXRAIL2 – DESIGN CONSIDERATIONS



**LAYOUT** – With the Flexrail2 system you can create a layout that will provide an interesting design to light your application with the quality and quantity of light required. Straight track is available in four and eight-foot lengths. Pre-curved sections of track are available in four different radii (12", 17", 23" and 35"). It is strongly suggested the Flexrail2 bending machine (HM-BM) be used when a smooth curve is desired. Consistent curved sections can be made in the field using the bending machine with a minimum recommended radius of 23".

We suggest you draw a full size layout on the floor, and use a length of rope to trace the layout. Measure the length of the rope to determine how much track will be required. An alternative is to make a scale drawing and trace the layout with a piece of string.



**SUSPENSION** – It is recommended that straight sections of Flexrail2 be supported at a minimum of every 42". Curved sections and runs with HID or CFL units should use additional suspension standoffs at a 32" minimum. Suspension standoffs (A) and "I" connectors (B) are available in fixed lengths (6", 12", 24", 36" and 48"). They allow for field cutting with the use of the (HM-XADJ) adapters. "I" connectors have a dual function, they join two sections of track and provide a suspension standoff at the same time. Using pre-curved track sections requires an "I" connector at each joint. Suspension standoffs are offered for flat ceilings, sloped ceilings and T-bar ceilings. "I" connectors are available in the flat ceiling configuration. A SK-14S-PT adapts the connector for sloped ceilings. When determining the finished height of the track. Be sure to allow for the size of the track heads to be suspended from the track as well as the length of the suspension standoffs.

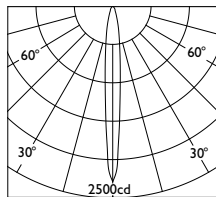
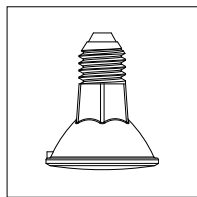


**POWER** – The electrical power runs through a flexible power feed cable (HM-PCC) or stem power connector (HM-PCT). The cable feed is not a support and may be positioned anywhere along the track. Cable power feeds are available in twelve inch increments from 12" to 48" plus a 96" model and may be field shortened at the canopy end. The cable power feed must be used on sloped ceilings. Power canopies attach to standard 4" junction boxes. The stem power connector (C) functions as a support point and is not field adjustable. Stem Power Connectors are available in lengths from 6" to 48" to provide mechanical support to the rail as well as electrical connection. Low voltage track heads require low voltage electronic dimmers for dimming applications. Flexrail2 systems with CFL or HID track heads can not be dimmed. Only one of the two circuits may be dimmed (use grounded neutral dimmers).

**LIGHT SOURCE** – Flexrail2 may be fitted with any of the featured track heads. They include low voltage (D) and line voltage (E) accent lights as well as compact fluorescent wall washers. Using the Flexrail2 QC transformer (F) (HM-EN50) allows access to over 200 choices of QC track heads (G) and pendants (H). You may attach track heads anywhere along the track to meet task, accent and ambient/decorative lighting needs.

# FLEXRAIL2 – PHOTOMETRICS

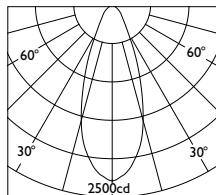
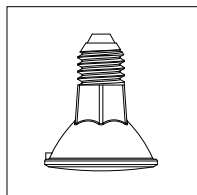
## 40W PAR20 HALOGEN NSP-10°



0° AIMING ANGLE			
d (ft)	fc	w	l
3	559	0'6"	0'6"
6	140	1'1"	1'1"
9	62	1'7"	1'7"
12	79	2'1"	2'1"
15	22	2'7"	2'7"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	198	0'9"	1'1"
6	49	1'6"	2'1"
9	22	2'3"	3'2"
12	12	3'0"	4'3"
15	8	3'9"	5'3"

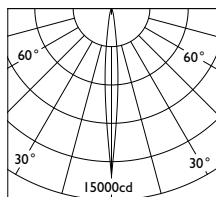
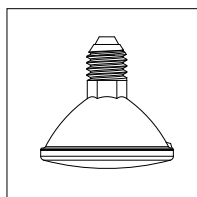
## 40W PAR20 HALOGEN WFL-40°



0° AIMING ANGLE			
d (ft)	fc	w	l
3	112	2'2"	2'2"
6	28	4'4"	4'4"
9	12	6'7"	6'7"
12	7	8'9"	8'9"
15	4	10'11"	10'11"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	40	3'1"	5'0"
6	10	6'2"	10'1"
9	4	9'3"	15'1"
12	2	12'4"	20'2"
15	2	15'5"	25'2"

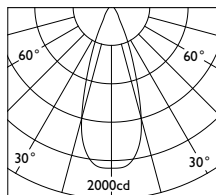
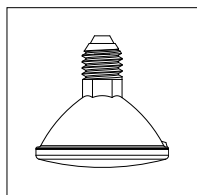
## 75W PAR30 HALOGEN NSP-10°



0° AIMING ANGLE			
d (ft)	fc	w	l
3	1457	0'6"	0'6"
6	364	1'1"	1'1"
9	162	1'7"	1'7"
12	91	2'1"	2'1"
15	58	2'7"	2'7"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	515	0'9"	1'1"
6	129	1'6"	2'1"
9	57	2'3"	3'2"
12	32	3'0"	4'3"
15	21	3'9"	5'3"

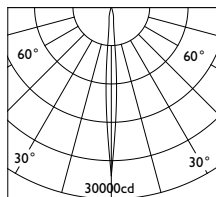
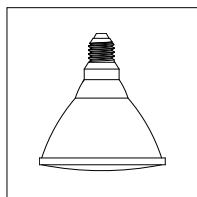
## 75W PAR30 HALOGEN FL-40°



0° AIMING ANGLE			
d (ft)	fc	w	l
3	187	2'2"	2'2"
6	47	4'4"	4'4"
9	21	6'7"	6'7"
12	12	8'9"	8'9"
15	7	10'11"	10'11"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	66	3'1"	5'0"
6	16	6'2"	10'1"
9	7	9'3"	15'1"
12	4	12'4"	20'2"
15	3	15'5"	25'2"

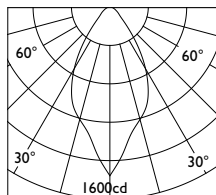
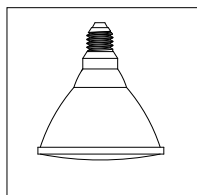
## 90W PAR38 HALOGEN SP-12°



0° AIMING ANGLE			
d (ft)	fc	w	l
3	2929	0'8"	0'8"
6	732	1'3"	1'3"
9	325	1'11"	1'11"
12	183	2'6"	2'6"
15	117	3'2"	3'2"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	1035	0'11"	1'3"
6	259	1'9"	2'7"
9	115	2'8"	3'10"
12	65	3'7"	5'1"
15	41	4'6"	6'5"

## 90W PAR38 HALOGEN WFL-60°

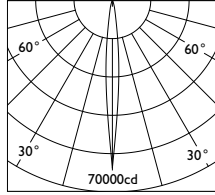
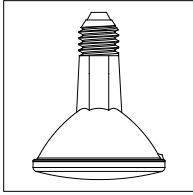


0° AIMING ANGLE			
d (ft)	fc	w	l
3	156	3'6"	3'6"
6	39	6'11"	6'11"
9	17	10'5"	10'5"
12	10	13'10"	13'10"
15	6	17'4"	17'4"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	55	4'11"	10'5"
6	14	9'10"	20'9"
9	6	14'8"	31'2"
12	3	19'7"	41'7"
15	2	24'6"	52'0"

# FLEXRAIL2 – PHOTOMETRICS

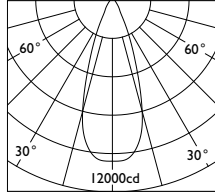
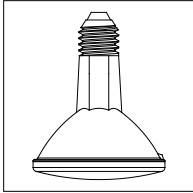
## 70W CDM PAR30 HID-10°



0° AIMING ANGLE			
D (Ft)	FC	W	L
3	7111	0'5"	0'5"
6	1778	0'10"	0'10"
9	790	1'3"	1'3"
12	444	1'8"	1'8"
15	284	2'1"	2'1"

45° AIMING ANGLE			
D (Ft)	FC	W	L
3	2514	0'7"	0'10"
6	629	1'2"	1'8"
9	279	1'9"	2'6"
12	157	2'4"	3'4"
15	101	3'0"	4'3"

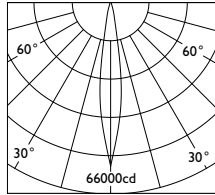
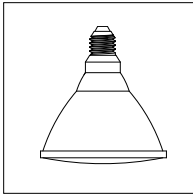
## 70W CDM PAR30 HID-40°



0° AIMING ANGLE			
D (Ft)	FC	W	L
3	1111	1'11"	1'11"
6	278	3'9"	3'9"
9	123	5'8"	5'8"
12	69	7'7"	7'7"
15	44	9'6"	9'6"

45° AIMING ANGLE			
D (Ft)	FC	W	L
3	393	2'8"	4'2"
6	98	5'4"	8'5"
9	44	8'0"	12'7"
12	25	10'8"	16'10"
15	16	13'5"	21'0"

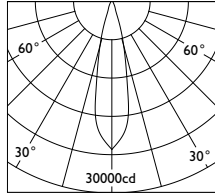
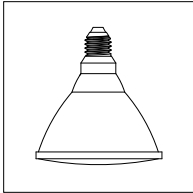
## 100W CDM PAR38 HID-15°



0° AIMING ANGLE			
D (Ft)	FC	W	L
3	6264	0'8"	0'8"
6	1566	1'3"	1'3"
9	696	1'11"	1'11"
12	392	2'6"	2'6"
15	251	3'2"	3'2"

45° AIMING ANGLE			
D (Ft)	FC	W	L
3	2215	0'11"	1'3"
6	554	1'9"	2'7"
9	246	2'8"	3'10"
12	138	3'7"	5'1"
15	89	4'6"	6'5"

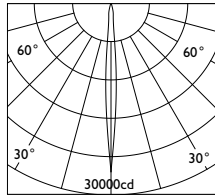
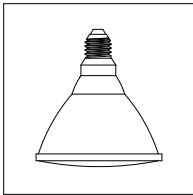
## 100W CDM PAR38 HID-30°



0° AIMING ANGLE			
D (Ft)	FC	W	L
3	2576	1'4"	1'4"
6	644	2'8"	2'8"
9	286	4'0"	4'0"
12	161	5'4"	5'4"
15	103	6'8"	6'8"

45° AIMING ANGLE			
D (Ft)	FC	W	L
3	911	1'11"	2'10"
6	228	3'9"	5'7"
9	101	5'8"	8'5"
12	57	7'6"	11'2"
15	36	9'5"	14'0"

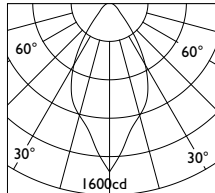
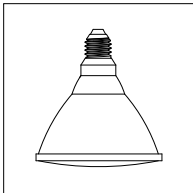
## 90W PAR38 HALOGEN-12°



0° AIMING ANGLE			
D (Ft)	FC	W	L
3	2929	0'8"	0'8"
6	732	1'3"	1'3"
9	325	1'11"	1'11"
12	183	2'6"	2'6"
15	117	3'2"	3'2"

45° AIMING ANGLE			
D (Ft)	FC	W	L
3	1035	0'11"	1'3"
6	259	1'9"	2'7"
9	115	2'8"	3'10"
12	65	3'7"	5'1"
15	41	4'6"	6'5"

## 90W PAR38 HALOGEN-60°

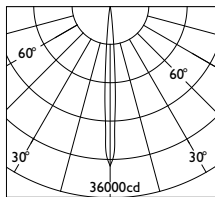
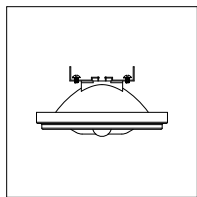


0° AIMING ANGLE			
D (Ft)	FC	W	L
3	156	3'6"	3'6"
6	39	6'11"	6'11"
9	17	10'5"	10'5"
12	10	13'10"	13'10"
15	6	17'4"	17'4"

45° AIMING ANGLE			
D (Ft)	FC	W	L
3	55	4'11"	10'5"
6	14	9'10"	20'9"
9	6	14'8"	31'2"
12	3	19'7"	41'7"
15	2	24'6"	50'0"

# FLEXRAIL2 – PHOTOMETRICS

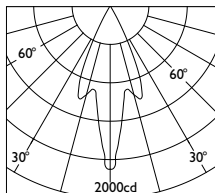
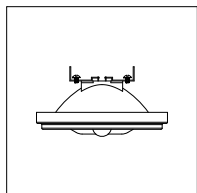
## 75W AR111 HALOGEN NSP-8°



0°AIMING ANGLE			
d (ft)	fc	w	l
3	3333	0'5"	0'5"
6	833	0'10"	0'10"
9	370	1'3"	1'3"
12	208	1'8"	1'8"
15	133	2'1"	2'1"

45°AIMING ANGLE			
d (ft)	fc	w	l
3	1179	0'7"	0'10"
6	295	1'2"	1'8"
9	131	1'9"	2'6"
12	74	2'4"	3'4"
15	47	3'0"	4'3"

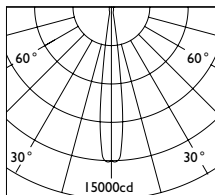
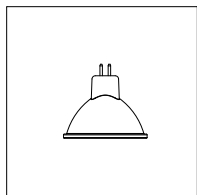
## 75W AR111 HALOGEN FL-45°



0°AIMING ANGLE			
d (ft)	fc	w	l
3	189	2'6"	2'6"
6	47	5'0"	5'0"
9	21	7'5"	7'5"
12	12	9'11"	9'11"
15	8	12'5"	12'5"

45°AIMING ANGLE			
d (ft)	fc	w	l
3	67	3'6"	6'0"
6	17	7'0"	12'0"
9	7	10'7"	18'0"
12	4	14'1"	24'0"
15	3	17'7"	30'0"

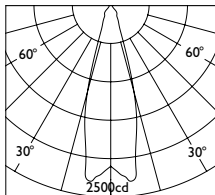
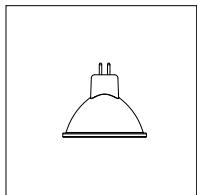
## 68W MR16 HALOGEN NSP-15°



0°AIMING ANGLE			
d (ft)	fc	w	l
3	1333	0'9"	0'9"
6	333	1'7"	1'7"
9	148	2'4"	2'4"
12	83	3'2"	3'2"
15	53	3'11"	3'11"

45°AIMING ANGLE			
d (ft)	fc	w	l
3	471	1'1"	1'7"
6	118	2'3"	3'3"
9	52	3'4"	4'10"
12	29	4'6"	6'5"
15	19	5'7"	8'0"

## 68W MR16 HALOGEN FL-40°



0°AIMING ANGLE			
d (ft)	fc	w	l
3	233	2'2"	2'2"
6	58	4'4"	4'4"
9	26	6'7"	6'7"
12	15	8'9"	8'9"
15	9	10'11"	10'11"

45°AIMING ANGLE			
d (ft)	fc	w	l
3	82	3'1"	5'0"
6	21	6'2"	10'1"
9	9	9'3"	15'1"
12	5	12'4"	20'2"
15	3	15'5"	25'2"

# FLEXRAIL2 – INDEX

G401 .....	26	HM-TB12.....	29	HM-783.....	5
G402 .....	26	HM-TB24 .....	29	HM-784.....	5
G403 .....	26	HM-TB36 .....	29	HM-785.....	5
G404 .....	26	HM-TB48 .....	29	HM-783-MH39E .....	20
G405 .....	26	HM-VA6 .....	30	HM-784-MH39E .....	20
G406 .....	26	HM-VA12 .....	30	HM-784-MH70E .....	20
G407 .....	26	HM-VA24 .....	30	HM-785-MH70E .....	20
G408 .....	26	HM-VA36 .....	30	HM-785-MHI00E .....	20
HM-BM.....	29	HM-VA48 .....	30	HM-816.....	16
HM-DCB-PT .....	29	HM-W218.....	22	HM-816L.....	16
HM-EC .....	29	HM-W227 .....	22	HM-826.....	14
HM-EN50.....	28	HM-W239 .....	23	HM-826L.....	14
HM-I6 .....	30	HM-W240 .....	23	HM-849.....	15
HM-II2 .....	30	HM-X6 .....	29	HM-849L .....	15
HM-I24 .....	30	HM-X12.....	29	HM-846 .....	14
HM-I36 .....	30	HM-X24 .....	29	HM-846L .....	14
HM-I48 .....	30	HM-X36 .....	29	HM-847.....	17
HM-IDEC6.....	30	HM-X48 .....	29	HM-847L .....	17
HM-IDEC12 .....	30	HM-XADJ.....	30	HM-856.....	16
HM-IDEC24.....	30	HM-XS6 .....	29	HM-856L .....	16
HM-IDEC36.....	30	HM-XS12 .....	29	HM-876.....	15
HM-IDEC48 .....	30	HM-XS24 .....	29	HM-876L.....	15
HM-JSCI2.....	30	HM-XS36 .....	29	HM-939.....	12
HM-JSC24.....	30	HM-XS48 .....	29	HM-939L.....	12
HM-JSC36.....	30	HM-I50.....	9	HM-935L.....	12
HM-PCCI2.....	29	HM-I63.....	13	HM-936.....	11
HM-PCC24.....	29	HM-I63L.....	13	HM-936L.....	11
HM-PCC36 .....	29	HM-I64L.....	13	SK-I4S .....	30
HM-PCC48.....	29	HM-715.....	4	XI.....	30
HM-PCC96 .....	29	HM-720.....	7		
HM-PCT6.....	29	HM-727.....	4		
HM-PCT12.....	29	HM-730.....	7		
HM-PCT24.....	29	HM-737.....	4		
HM-PCT36.....	29	HM-738.....	7		
HM-PCT48.....	29	HM-747.....	8		
HM-PLD-G415 .....	25	HM-757.....	8		
HM-SOC96 .....	26	HM-773.....	6		
HM-T4.....	29	HM-774.....	6		
HM-T8.....	29	HM-775.....	6		
HM-T30D.....	29	HM-773-MH39E .....	19		
HM-T45D .....	29	HM-774-MH39E .....	19		
HM-T60D .....	29	HM-774-MH70E .....	19		
HM-T90D.....	29	HM-775-MH70E .....	19		
HM-TB6 .....	29	HM-775-MHI00E .....	19		



# ARCHITECTURAL LIGHTING

A DIVISION OF W•A•C

615 South Street  
Garden City, NY 11530

168 Brea Canyon Road  
City of Industry, CA 91789

Tel: 866.788.2100  
Fax: 516.393.3084

w2lighting.com  
Copyright 2005

