

PowerArc Modular

Elegance. Performance. Flexibility.

Energy Smart® Lighting

PowerArc Modular advances the state of the art in Energy Smart lighting. The newest addition to the Lytespan track family uses the wide range of Ceramic Metal Halide lamps to deliver crisp white light with outstanding flexibility.

Harnessing efficient metal halide light sources, PowerArc Modular can replace incandescent spotlights and save 50-70% of the energy. Alternatively, PowerArc can increase illumination two-to-three times at the same energy level as incandescent.

Ceramic Metal Halide Technology

Ceramic Metal Halide lamps deliver a crisp white light with excellent color rendering and long lamp life. PowerArc's slim electronic ballasts drive the lamps optimally, assuring high luminous efficacy, full rated lamp life and color stability. PowerArc Modular handles four different lamp types: PAR lamps, ED17, and new T4 and T6, for maximum performance. Lightolier's precise reflector optics create smooth, high intensity beams and washes from the ED and T lamps. Whichever lamp best meets the needs of your project, you will find a PowerArc Modular fixture designed expressly for it.

Flexibility in Application

With wattages from 20W to 100W and beam spreads from 8° to 52°, PowerArc Modular easily serves retail, display, and accent applications in spaces up to 30' high. Companion wall washers smoothly light vertical surfaces.

PowerArc's unique construction separates the ballast from the lighting element. Add extension cables, wands, remote brackets, and pipe clamps to locate PowerArc light elements up to 6' from the ballast and the track itself.

Elegance and Engineering

PowerArc Modular features sharply articulated components in die-cast and extruded aluminum. Reflectors for different beam spreads are precisely spun on automated equipment and are fully interchangeable. PowerArc Modular looks as good as it lights. And it lights superbly.

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PowerArc Modular Features



Enclosed Lighting Module

Die-cast aluminum with 90° vertical and infinite horizontal adjustment. 6" power cord with polarized plug connects to ballast module. Twist on mechanical adapter attaches to ballast module, Lytespan track, pipe clamp, mounting bracket, and other mounting accessories. Each lighting element is sized to a specific lamp, from the 4 5/8" deep T4 to the 7" deep ED17.

PowerArc Modular T & ED System

The PowerArc Modular System permits easy modification of lighting effects or equipment as needs change.

T4, T6, and ED17 luminaires consist of the lighting module (specified for the lamp type), reflector (specified for the desired beam spread), and ballast module (specified for the lamp wattage). A complete luminaire consists of three catalog numbers. All compatible options are shown on the appropriate product page.

Captive Retaining Clips

Positive-action clips slide in to secure protective glass shield for T4 and T6 units and facilitate easy relamping.

Precision Formed Reflector

High purity aluminum is buffed to high specularity and anodized for permanent reflectivity. Each reflector is precisely contoured for the lamp and desired beam spread; they are easily interchanged to adjust the lighting effects.

Ceramic Metal Halide Lamp

T6 lamp, shown, features a rugged G12 base. For information on T4, ED17, and PAR types see pages 16-17.



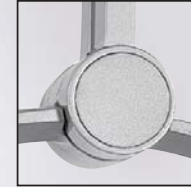
Socket Husk

Die-cast aluminum. Venting assures that lamps operate well within their rated parameters.



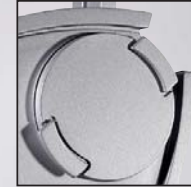
Adapter

Injection-molded polycarbonate. Attaches to track and other mounting hardware. Provides infinite horizontal adjustment.



Swivel

Die-cast aluminum cover. Permanently tensioned. Provides 90° vertical adjustment.



Lamp Cartridge

Die-cast aluminum. Provides simple relamping for wall washers without removing protective glass shield.

Slim Electronic Ballast Module

Slim electronic ballast module attaches to any Lytespan track (Advent®, Basic®, or Radius®), as well as Multipoint. Housing of extruded and die-cast aluminum includes on/off switch (for safe relamping) and polarized power cable receptacle. Mini Slim case for 20W and 39W lamps; slim case for 39W and 70W lamps.



Open Lighting Module

Open-back housing reveals the exterior of the reflector optics for T and ED lamps or the back of the PAR lamp itself. Square die-cast panel frames the aperture.



PowerArc Modular PAR System

PAR luminaires consist of the lighting module (specified for the lamp size) and the ballast module (specified for the lamp wattage). A complete luminaire consists of two catalog numbers. All compatible options are shown on the appropriate product page.



T4 Enclosed

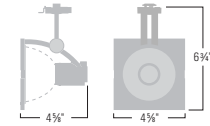
The most compact PowerArc Modular units with the best performance, using T4 lamps.

PowerArc Modular T4

T4 Open Lighting Module



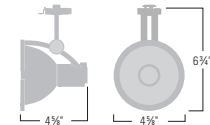
8304
20W, 39W or 70W T4 CMH
Finishes: WH, BK, AL
Accessory Holder: 83T4AH
Accessories: Two AF3, ADF3 or AL3 Series



T4 Enclosed Lighting Module



8314
20W, 39W or 70W T4 CMH
Finishes: WH, BK, AL
Accessory Holder: 83T4AH
Accessories: Two AF3, ADF3 or AL3 Series



T4 Reflector



MHT4RS
10° Spot



MHT4RNF
25° Narrow Flood



MHT4RF
40° Flood

Electronic Ballast Module



83B20E
20W Mini Slim Electronic Ballast
Finishes: WH, BK, AL

83B39E
39W Mini Slim Electronic Ballast
Finishes: WH, BK, AL

7 3/4" x 2 3/4" x 2 1/8"



83B39LE
39W Slim Electronic Ballast
Finishes: WH, BK, AL

83B70E
70W Slim Electronic Ballast
Finishes: WH, BK, AL

9 3/4" x 2 3/4" x 2 1/8"

T4 luminaires consist of the **lighting module**, **reflector**, and **ballast module**. A complete luminaire consists of three catalog numbers. Order each separately.

Magnetic and Surface Mounted Canopy ballast modules are also available. (See page 14)



T6 Open

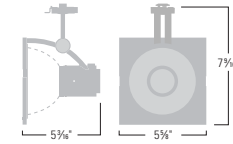
PowerArc Modular optics with rugged T6 lamps offer superior performance and extended lamp life.

PowerArc Modular T6

T6 Open Lighting Module



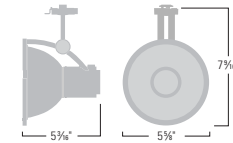
8306
39W or 70W T6 CMH
Finishes: WH, BK, AL
Accessory Holder: 83T6AH
Accessories: Two AF4, ADF4 or AL4 Series



T6 Enclosed Lighting Module



8316
39W or 70W T6 CMH
Finishes: WH, BK, AL
Accessory Holder: 83T6AH
Accessories: Two AF4, ADF4 or AL4 Series



T6 Reflector



MHT6RS
10° Spot



MHT6RNF
25° Narrow Flood



MHT6RF
40° Flood

Electronic Ballast Module



83B39E
39W Mini Slim Electronic Ballast
Finishes: WH, BK, AL
7 3/8 x 2 3/8 x 2 1/8



83B39LE
39W Slim Electronic Ballast
Finishes: WH, BK, AL

83B70E
70W Slim Electronic Ballast
Finishes: WH, BK, AL
9 3/8 x 2 3/8 x 2 1/8

T6 luminaires consist of the **lighting module**, **reflector**, and **ballast module**. A complete luminaire consists of three catalog numbers. Order each separately.

Magnetic and Surface Mounted Canopy ballast modules are also available. (See page 14)



ED17 Enclosed

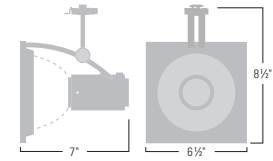
PowerArc Modular ED17 units offer long life and the lowest lamp replacement costs.

PowerArc Modular ED17

ED17 Open Lighting Module



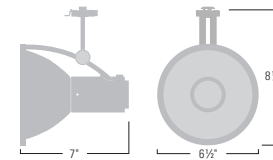
8307
70W or 100W ED-17P CMH
Finishes: WH, BK, AL
Accessory Holder: 8784
Accessories: Two AF4, ADF4 or AL4 Series



ED17 Enclosed Lighting Module



8317
70W or 100W ED-17P CMH
Finishes: WH, BK, AL
Accessory Holder: 8784
Accessories: Two AF4, ADF4 or AL4 Series



ED17 Reflector



83ED17RNS
8° Narrow Spot



83ED17RS
13° Spot



83ED17RF
32° Flood



83ED17RWF
52° Wide Flood

Electronic Ballast Module



83B70E
70W Slim Electronic Ballast
Finishes: WH, BK, AL
9 7/8 x 2 3/8 x 2 1/8



83B10E
100W Square Electronic Ballast
Finishes: WH, BK, AL
7 1/2 x 4 1/4 x 2 1/8

ED17 luminaires consist of the **lighting module**, **reflector**, and **ballast module**. A complete luminaire consists of three catalog numbers. Order each separately.

Magnetic and Surface Mounted Canopy ballast modules are also available. (See page 14)



PAR Open

PowerArc Modular brings a new elegance to PAR Metal Halide lighting.

PowerArc Modular PAR

PAR Open Lighting Module



8300 Open Husk
39W PAR20 CMH
39W or 70W PAR30L CMH
70W or 100W PAR38 CMH
Finishes: WH, BK, AL



8303
39W or 70W PAR30L CMH
Finishes: WH, BK, AL
Accessory Holder: 8783
Accessories: Two AF3, ADF3 or AL3 Series



8308
70W or 100W PAR38 CMH
Finishes: WH, BK, AL
Accessory Holder: 8784
Accessories: Two AF4, ADF4 or AL4 Series

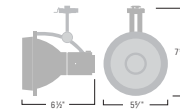
PAR Enclosed Lighting Module



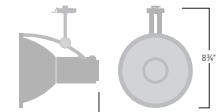
8313
39W or 70W PAR30L CMH
Finishes: WH, BK, AL
Accessory Holder: 8783
Accessories: Two AF3, ADF3 or AL3 Series



8318
70W or 100W PAR38 CMH
Finishes: WH, BK, AL
Accessory Holder: 8784
Accessories (70W): Two AF4, ADF4 or AL4 Series
Accessories (100W): One AL4HC only



8313



8318

Electronic Ballast Module



83B39E
39W Mini Slim Electronic Ballast
Finishes: WH, BK, AL
7 3/4 x 2 3/8 x 2 1/16



83B39LE
39W Slim Electronic Ballast
Finishes: WH, BK, AL



83B70E
70W Slim Electronic Ballast
Finishes: WH, BK, AL
9 3/8 x 2 3/8 x 2 1/16



83B10E
100W Square Electronic Ballast
Finishes: WH, BK, AL
7 1/8 x 4 1/4 x 2 1/16

PAR luminaires consist of the **lighting module** and the **ballast module**. A complete luminaire consists of two catalog numbers. Order each separately.

Magnetic and Surface Mounted Canopy ballast modules are also available. (See page 14)



Asymmetrical Wall Washer

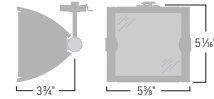
Asymmetric reflector optics deliver a smooth wash for lighting vertical surfaces.

PowerArc Modular Wall Wash

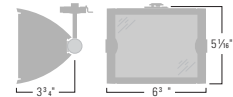
Wall Wash Lighting Module



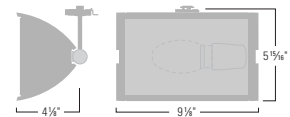
83W4 Wall Washer
20W, 39W or 70W T4 CMH
Finishes: WH, BK, AL



83W6 Wall Washer
39W or 70W T6 CMH
Finishes: WH, BK, AL



83W7 Wall Washer
70W or 100W ED-17P CMH
Finishes: WH, BK, AL



Electronic Ballast Module



83B20E
20W Mini Slim Electronic Ballast
Finishes: WH, BK, AL



83B39LE
39W Slim Electronic Ballast
Finishes: WH, BK, AL



83B10E
100W Square Electronic Ballast
Finishes: WH, BK, AL

Wall wash luminaires consist of the **lighting module** and the **ballast module**. A complete luminaire consists of two catalog numbers. Order each separately.

Magnetic and Surface Mounted Canopy ballast modules are also available. (See page 14)

PowerArc Modular Mounting Accessories & Ballast Modules

Mounting Accessories

PowerArc Modular's unique "cord and plug" construction allows the lighting element to be located up to 10' away from the ballast module and the track itself. Additionally, the PowerArc Modular family includes an extensive array of accessories to easily customize the mounting configuration to fit the application.

In an open-ceiling application, the ballast module can be attached to any Lytespan track or Multipoint above while the lighting module is mounted below to a pipe or Unistrut® using the Pipe Clamp or Mounting Bracket accessories. PowerArc lighting modules can also be suspended from the 18" or 48" extension wands in high ceiling applications.

Note: 83B20E and 83B39E Mini Slim Ballast Modules should not be used in remote mounting applications.

83EC24 2' Extension Cord
83EC72 6' Extension Cord
83MPT Mounting Bracket
83PC Mechanical Pipe Clamp
 Finishes: WH, BK

83EW18 18" Extension Wand
83EW48 48" Extension Wand
 Finishes: WH, BK, AL



ED17 Lighting Module remote mounted from the Ballast Module using Extension Cord and Pipe Clamp accessories.



PAR38 Lighting Module suspended from the Ballast Module using Extension Wand accessory.

Ballast Modules

In addition to the electronic ballasts shown on the previous product pages, PowerArc Ballast Modules are also available in magnetic and surface mounted canopy versions. The complete PowerArc Ballast Module offering is shown below. Slim Electronic, Square Electronic and Magnetic Ballast Modules can be remote mounted up to 10 feet away using Lightolier accessories. Mini Slim Ballast Modules cannot be remote mounted.

Magnetic Ballast Module



83B39M 39W Magnetic Ballast
 Finishes: WH, BK, AL
 6 1/4" x 4 1/2" x 2 1/2"

83B10M 100W Magnetic Ballast
 Finishes: WH, BK, AL
 6 1/4" x 4 1/2" x 3 3/8"

83B70M 70W Magnetic Ballast
 Finishes: WH, BK, AL
 6 1/4" x 4 1/2" x 2 1/2"

Surface Mounted Canopy



83CY39E 39W Electronic Ballast
 Finishes: WH, BK, AL

83CY70E 70W Electronic Ballast
 Finishes: WH, BK, AL
 7 1/4" x 4 1/2" x 3 3/8"

Shown here with 83WB6WH (order separately).

Electronic Ballast Module



83B20E 20W Mini Slim Electronic Ballast
 Finishes: WH, BK, AL

83B39E 39W Mini Slim Electronic Ballast
 Finishes: WH, BK, AL
 7 3/4" x 2 3/8" x 2 1/4"



83B39LE 39W Slim Electronic Ballast
 Finishes: WH, BK, AL

83B70E 70W Slim Electronic Ballast
 Finishes: WH, BK, AL
 9 3/4" x 2 3/8" x 2 1/4"



83B10E 100W Square Electronic Ballast
 Finishes: WH, BK, AL
 7 1/4" x 4 1/2" x 2 1/4"

PowerArc Modular Light Control Accessories

PowerArc Modular offers a full range of high performance accessories for tinting, coloring and shaping of the light beam.

All accessories are attached with an accessory holder that snaps onto the face of the shade or square frame. The accessory holder holds up to two accessories, simply choose the correct size needed for the attached shade. A full range of snoots are also available that can be used alone or with accessories.

Accessory Holders:



Cat. No. Size Finish
8783 PAR30 Black
83T4AH T4 Black

Accepts 2 - AL3, AF3 or ADF3 (3 3/4" dia.) series accessories.

Cat. No. Size Finish
83T6AH T6 Black
 Accepts 2 - AL4, AF4 or ADF4 (4 3/4" dia.) series accessories.

Cat. No. Size Finish
8784 PAR38 Black
 ED17

Accepts 2 - AL4 or AF4 (4 3/4" dia.) series accessories.

Snoots:



Cat. No. Size Finish
83P30S PAR30 Black
83T4S T4 Black

Accepts 2 - AL3, AF3 or ADF3 (3 3/4" dia.) series accessories.

Cat. No. Size Finish
83T6S T6 Black
 Accepts 2 - AL4, AF4 or ADF4 (4 3/4" dia.) series accessories.

Cat. No. Size Finish
83E17S PAR38 Black
 ED17

Accepts 2 - AL4, AF4 (4 3/4" dia.) series accessories.

A complete accessory consists of a **size** and **series suffix**. For example, AF3 + UV = AF3UV (3 3/4" UV Filter).

Hex Cell Louvers

Series: AL



AL3HC = 3 3/4" dia. Hex Cell Louver



AL4HC = 4 3/4" dia. Hex Cell Louver

Diffusion/Special Filters

Series: **AF3** = 3 3/4" dia., **AF4** = 4 3/4" dia.



UV Optivex™ UV Reduction*



LF Light Frost



PF Perimeter Frost



IR Infra-Red Reduction



SY 55° Symmetrical Spread



AS 5° x 55° Asymmetrical Spread

*Optivex® UV filters by Bausch & Lomb®

Color Filters

Series: **ADF3** = 3 3/4" dia., **ADF4** = 4 3/4" dia.

Primary Colors:



RD Red



BL Blue



GR Green

Secondary Colors:



MM Medium Magenta



BG Blue Green



YG Yellow Green



MA Medium Amber

Mixing Colors:*



SP Surprise Pink



SB Steel Blue



DA Daylight Color Correction



LS Light Straw



BA Bastard Amber



LP Light Pink

*Filters shown together mix to white.

PowerArc Modular Application Guide

This chart provides centerbeam candlepower (CBCP) and beam spread data for the wide range of Ceramic Metal Halide lamps used in the PowerArc Modular family. The beam spread in degrees is computed at 50% of centerbeam candlepower.

The footcandle charts on the adjacent page represent a sampling of the PowerArc Modular Wall Washer offering. Additional photometric information is available from the Comprehensive Lighting Selector at www.lightolier.com.



T4
Base: BiPin G8.5
Life: 6,000 to 9,000 hours
CCT: 3000K
CRI: 80 to 83

T6
Base: BiPin G12
Life: 10,000 to 15,000 hours
CCT: 3000K and 4200K
CRI: 80 to 83 (3000K)
90 to 92 (4200K)

ED17P
Base: E26 Med
Life: 10,000 to 12,500 hours
CCT: 3000K and 4000K
CRI: 82 to 88

Lamp	Beam Type				
20W Ceramic Arc Metal Halide	SP	Spread CBCP	9° 22,347		
	NFL	Spread CBCP	18° 8,959		
	FL	Spread CBCP	36° 2,356		
39W Ceramic Arc Metal Halide	SP	Spread CBCP	11° 36,169	10° 28,105	
	NFL	Spread CBCP	21° 14,208	21° 10,932	
	FL	Spread CBCP	40° 3,877	40° 3,849	
70W Ceramic Arc Metal Halide	SP	Spread CBCP	13° 53,205	10° 52,142	11° 46,419
	NFL	Spread CBCP	23° 22,703	21° 19,929	
	FL	Spread CBCP	42° 6,514	40° 6,994	32° 9,635
	WFL	Spread CBCP			52° 4,312
100W Ceramic Arc Metal Halide	SP	Spread CBCP			11° 69,629
	NFL	Spread CBCP			
	FL	Spread CBCP			32° 14,452
	WFL	Spread CBCP			52° 6,468