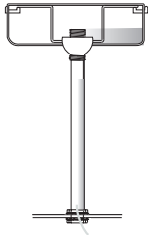## HM*- HANG-STRAIGHT

45° SWIVEL 1/2" STEM
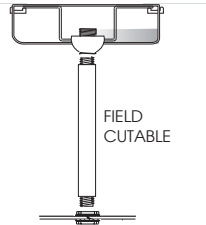3/8" NPT

ORDER: HM(length)
SPECIFY LENGTH:
HM3-3"(MINIMUM)
HM6-6"
HM12-12"
HM18-18"
HM24-24"
HM36-36"
HM48-48"
HM72-72"
HMLC(12, 16, 22)
P13-Custom Length
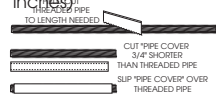(specify in inches)

FINISH
Canopy / Stem Finish
Matches Fixture Finish.

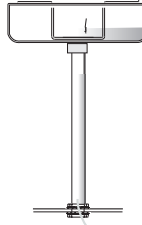## HMAT- HANG-STRAIGHT ALL THREAD

45° SWIVEL 1/2" STEM
1/4" IP

FIELD CUTABLE

ORDER: HMAT (length)
SPECIFY LENGTH:
HMAT12-12"
HMAT24-24"
HMAT36-36"
HMAT48-48"
HMAT72-72"
HMATLC(12, 16, 22)-Custom Length (specify in inches)

CUT THREADED PIPE TO LENGTH NEEDED

CUT "PIPE COVER" 3/4" SHORTER THAN THREADED PIPE

SLIP "PIPE COVER" OVER THREADED PIPE

FINISH
Canopy / Stem Finish
Matches Fixture Finish.

PM*- PENDANT MOUNT

RIGID 1/2" STEM
3/8" NPT

ORDER: PM (length)
SPECIFY LENGTH:
PM3-3"(MINIMUM)
PM6-6"
PM12-12"
PM18-18"
PM24-24"
PM36-36"
PM48-48"
PM72-72"
PMLLC(12, 16, 22)-Custom Length (specify in inches)

FINISH
Canopy / Stem Finish
Matches Fixture Finish.

CD*- CORD/CABLE MOUNT

SJ CORD/1/16 SS CABLE
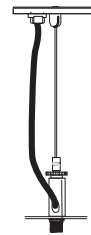
ORDER: CD(length)
SPECIFY LENGTH:
CD36CP13 -36"
CD72-72"
CD144-144"
CD(12, 16, 22)-Custom Length (specify in inches)

FIXTURE COLOR	CORD COLOR
White	White
Silver	Gray
All others	Black

HCP- HOOK CORD AND PLUG

FOR INDEPENDANT MOUNTING

ORDER: HCP(plug)
Specify Plug: 120v **L120**
277v **L27**.

SC1- SAFETY CABLE
ORDER: **SC1**
1/16″ Stainless steel safety cable for added support. Standard kit is 18″and is provided with double barrel locks. Rated at 50lbs. Approved for California seismic requirements.

SPECTRUM LIGHTING LUMEN MAX FINISH OPTIONS

GW gloss white	**GB** gloss black	**BZ** bronze	**OB** oil rubbed bronze	**PT** platinum	**SI** silver	**GA** galvanized	**GH** graphite	**CH** charcoal

AM anodic malachite	**SN** sun gold	**EG** evergreen	**VE** verde green	**BL** blue streak	**RD** red baron	**OR** orange	**CO** copper metallic	**CC** custom color

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SPECTRUM LIGHTING INC.

PROJECT:

TYPE:

CAT. NO.:

MADE IN THE USA

DRIVER	USE DIAGRAM	WIRING DIAGRAM
DS2W1- Spectrum ELV MLV 10% Phase Dimming 120v	1	**DIAGRAM 1 -** 2 WIRE PHASE DIMMING
DE011- Spectrum .01% 0-10V Dimming 120v	2	
DE022- Spectrum .01% 0-10V Dimming 277v	2	
DO101- Spectrum 1% 0-10V Dimming 120v	2	**DIAGRAM 2 -** 0-10 VOLT DIMMING
DO102- Spectrum 1% 0-10V Dimming 277v	2	
DS101- Spectrum 10% 0-10V Dimming 120v	2	
DS102- Spectrum 10% 0-10V Dimming 277v	2	
DLTE1- Lutron ELV MLV 1% Phase Dimming 120v	1	**DIAGRAM 3-** LUTRON™ HI LUME
DL33X- Lutron Hi Lume 1% Dimming 120v/277v	3	
DL3EX- Lutron ECO System 1% Dimming120v/277v	4	
LDE1- Lutron ECO System 1% Fade to Black Dimming120v/277v	4	**DIAGRAM 4-** LUTRON™ ECOSYSTEM
LDE5- Lutron ECO System 5% Dimming120v/277v	4	
DALI- Spectrum DALI Control Dimming 120V/277V	DALI	
DMX- Spectrum DMX Control Dimming 120V/277V	DMX	

Dimming systems not available on all fixtures, Consult individual specification sheets for availability.

OTHER CONTROLS

DE011/2- For Theatrical Use 0-10V Dimming Controls. Smooth dimming to **.01%**

DS101/2- 0-10V Dimming Controls. Smooth dimming to **10%**

DO101/2- 0-10V Dimming Controls. Smooth dimming to **1%**

WZIG- ZigBee Wireless Control Protocol

WEND- EnOcean Wireless Control Protocol

DLTE1- 120/277LUTRON™ELV/MLV Dim s smoothly to **1%** with standard Phase Cut controls

LDE1- LUTRON™ ECOSYSTEM Smooth dimming to **1%** fades to black.

DMX- DMX CONTROLS Can Be Ordered Installed In Each Fixture For Multi-Channel (4 Channel) Remote Dimming. Consult factory for details.

MOT- Motion Sensor

PHO- Photo Control

LUMEN MAX ADDITIONS

FUSING

MODEL NO.: FS

Slow blow type fuse protects fixture against voltage surges. Factory installed.

SURGE PROTECTOR

MODEL NO.: LSP10-SM

surge protector

Surge protector absorbs transient electrical spikes and protects fixtures and electronics. Re-sets after surge. 120/277v. Factory Installed.

SAFETY CABLE

MODEL NO.: SC1

1/16" Stainless steel safety cable for added support. Standard kit is 18"and is provided with double barrel locks. Rated at 50lbs. Approved for California seismic requirements.

EMERGENCY BATTERY OPTIONS

CHOOSE EM BATTERY

EMRMLED5W- 5 watts Remote Emergency Battery for LED 120v/277

EMRMLED7W- 7 watts Remote Emergency Battery for LED120v/277

EMRMLED12W- 12 watts Remote Emergency Battery for LED 120v/277

CP CONSTANT POWER EMERGENCY OUTPUT

Emergency systems may be integral on some Lumen Max Fixtures-Consult Specification Sheets.

LED SERIES	LED EMITTER SOURCE LUMENS	EMLED5W SOURCE LUMENS (90 MIN)	EMLED7W SOURCE LUMENS (90 MIN)	EMLED12W SOURCE LUMENS (90 MIN)
LEDXI	900-3000 lms	300 lms	500 lms	800 lms
LEDGV	1500-6050 lms	700 lms	900 lms	1600 lms

PROJECT:

TYPE:

CAT. NO.:

MADE IN THE USA

SPECTRUM LIGHTING INC.

LUMEN MAX-REFLECTOR OPTIONS

PR(12,16,22) - Clear Prismatic Acrylic Refractor

DF(12,16,22) - Diffuse Prismatic Acrylic Refractor

OP(12,16,22) - Opal White Acrylic Refractor

**AL (12,16,22) -** Aluminum Reflector

**POLY-**Polycarbonate Option for **PR(12,16,22)** available.

LUMEN MAX-WIRE GUARD/REFLECTOR SHIELD

WIRE GUARDS LED Fixtures typically do not require wireguards as fixture has no glass or lamp to damage in sports facilities. We offer traditional wireguards **(WAG)** as well as Half-Fixture wire guards **(HWG)**.
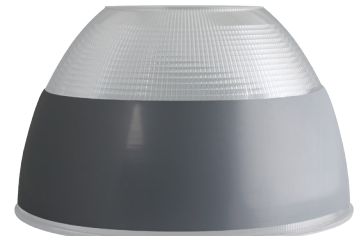
REFLECTOR SHIELDS:
Used on PR refractor to minimize side-light.**(RS)** for 22" only. Fished to match fixture
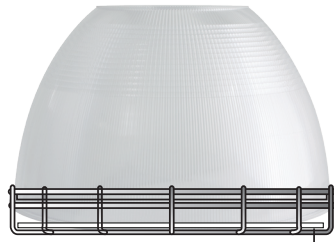
FACE WIRE GUARDS (WAG12,16, 22)
Guard Covers opening of reflector. May be combined with flat lenses **(OP)** and **(PA).**

LENS
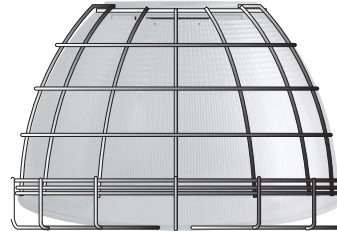
HALF WIRE GUARD (HWG 12,16, 22)
Covers and protects opening of reflector and exterior. Chrome plated #14 ga wire.

REFLECTOR SHIELD (RS 12,16, 22)
Reflector Shield minimizes side light output while allowing up light (30%)

LUMEN MAX-DIFFUSER OPTIONS

DIFFUSING LENS OPTIONS
Spectrum offers several lens options for visual comfort, light distribution and interior protection. There are 2 retaining options:

Band Clamp: (BC12, BC16,C22)-
Stainless Steel for simple clean fit (PR Reflector only)

Door: (DR12, DR16, DR22)
Spun Aluminum door with thumb screws. Paint finish matches fixture for a unified look.
(PR and AL Reflectors)

Safety Cable: (SC2)
1/16" Stainless steel cable holds door to fixture.
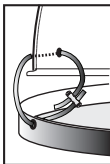
BC(12, 16, 22)CN - Conical Lens
BC(12, 16, 22)CNFR - Frosted Conical Lens

BC(12, 16, 22)DL - Drop Lens

BC(12, 16, 22)OA - Opal Acrylic

BC(12, 16, 22)FO90 - Matte White Lens use with LED

BC(12, 16, 22)CL - Clear Acrylic

BC(12, 16, 22)PP - Prismatic Polycarbonate

DR(12, 16, 22)CN - Conical Lens
DR(12, 16, 22)CNFR - Frosted Conical Lens

DR(12, 16, 22)DL - Drop Lens

DR(12, 16, 22)OA - Opal Acrylic

DR(12, 16, 22)FO90 - Matte White Lens use with LED

DR(12, 16, 22)CL - Clear Acrylic

DR(12, 16, 22)PP - Prismatic Polycarbonate

Dimensions shown are nominal. Spectrum Lighting is continually improving products and reserves the right to make changes that will not alter performance or appearance with or without written notice.

SPECTRUM LIGHTING INC.

PROJECT:	TYPE:
CAT. NO.:	

MADE IN THE USA