CATALOG NO. _____

TYPE NO. _____ JOB NAME _____

MCL Series
Medium Cutoff Roadway Luminaire
(Type III Distribution)

ORDERING INFORMATION

Catalog Number: Example: MCL38584INDTLR/PC-1

MCL	3	175	PMA		1
FIXTURE	DISTRIBUTION	WATTAGE	LAMP SOURCE	OPTIONS	VOLTAGE

FIXTURE
MCL-Medium Cutoff Roadway Luminaire

DISTRIBUTION
3-Type III

WATTAGE
8584-85W 4000K
150-150W
175-175W
250-250W
320-320W
350-350W
400-400W

LAMP SOURCE
IND-Induction*
LX-High Pressure Sodium
PMA-Super constant wattage auto regulated Pulse Start Metal Halide

OPTIONS
A-Adjustable arm 15° max.
F-Single fusing 120V, 277V
FFS-Double fusing 208V, 240V, 480V
TLR/PC-Twist lock photocontrol
PCB-Button type photocontrol (not available with "A" option)

VOLTAGE
1-120V
2-208V
3-240V
4-277V
5-480V
8-120V 208V 240V 277V

* 120V and 277V only

ACCESSORIES

MCLVS-MCL Vandal Shield (Lexan).
MCLGS-MCL Glare Shield.
MCLS52-Replacement Lens Kit.

MOUNTING ACCESSORIES

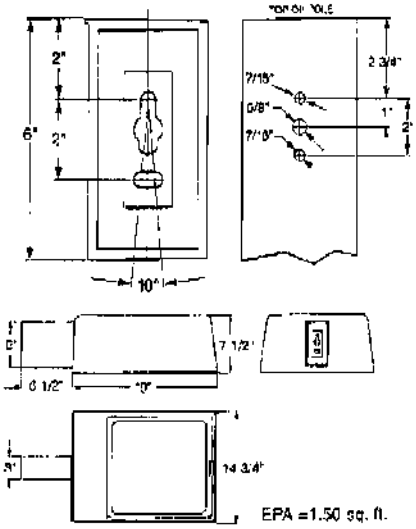
MCLTA25R-two @ 90°
MCLTA35R-three @ 120°
MCLRPA4-MCL 4" Round Pole Adapter
MCLTA10R-MCL Tenon Adapter (2 3/8 OD) drilled for one
MCLTA20R-MCL Tenon Adapter (2 3/8 OD) drilled for two @ 180°
MCLTA30R-MCL Tenon Adapter (2 3/8 OD) drilled for three
MCLTA40R-MCL Tenon Adapter (2 3/8 OD) drilled for four
MCLTA25S-two @ 90°
MCLTA10S-MCL Tenon Adapter (2 3/8 OD) drilled for one SQ
MCLTA20S-MCL Tenon Adapter (2 3/8 OD) drilled for two @ 180° SQ
MCLTA30S-MCL Tenon Adapter (2 3/8 OD) drilled for three SQ
MCLTA40S-MCL Tenon Adapter (2 3/8 OD) drilled for four SQ
MC10-MCL 5" SQ Wall Mounting Plate
206WBR-MCL 5" SQ Thru Wire Box
MCLARMTLRSC-MCL 6" arm with Twist Lock Photocontrol and Shorting Cap
MCLHSS-House Side Shield

See page 3-A for mounting accessories.

UL Wet Location Listed
UL File Number: E86021

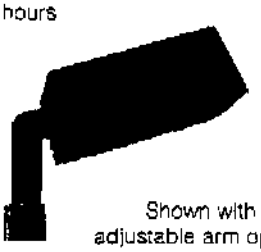
TECHNICAL INFORMATION

LX		PMA	
150W	ED-23	175W	ED-28
250W	ED-18	250W	ED-28
400W	ED-18	400W	ED-37



PRODUCT SPECIFICATIONS

- MCL Cutoff Luminaire is ideal for any outdoor application where tight light control is needed to prevent glare and light trepass. Perfect for roadways and parking lots
- One piece die-cast aluminum housing is finished in Duraplex II bronze polyester
- Lens frame assembly is fully gasketed with silicone to prevent dust and bug entry
- Heat and shock resistant tempered glass lens
- One piece hydroformed reflector
- Tool-less entry for relamping. Lens frame opens by releasing a stainless steel latch
- All internal electrical components are installed on a ballast tray that swings down for easy access and replacement
- 6" die-cast aluminum arm, factory installed, with integral wiring compartment. Side access cover allows wiring connections to be made in arm.
- Key slot design allows for single person hook and placement of fixture leaving hands free for wiring
- Induction rated for 100,000 hours



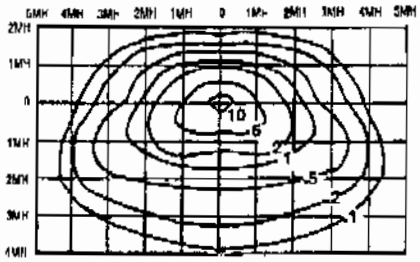
Shown with adjustable arm option

Stonco is a Philips group brand

PHILIPS

3-20 MCL Series Medium Cutoff Roadway Luminaire

PHOTOMETRICS



MCL3400LX
MOUNTING HEIGHT: 25', Tilt Angle 0°
IES CLASS: Type III Cut-Off, Medium

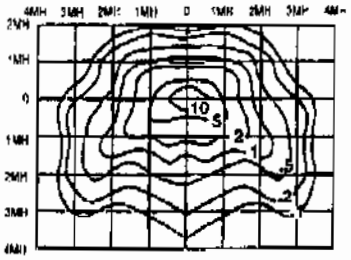
FOOTCANDLE CORRECTION
Multiply the following factors times the footcandle values for changes in mounting height.

To Change from 25'

New Height	15'	20'	25'	30'	35	40'
Factor	2.77	1.56	1.00	.69	.51	.39

WATTAGE CONVERSION
Multiply the following factors times the footcandle values for changes in mounting height.

200W HPS	.44
250W HPS	.55
175W PMA	.39
250W PMA	.57



MCL3400PMA
MOUNTING HEIGHT: 25', Tilt Angle 0°
IES CLASS: Type III Cut-Off, Medium

SUGGESTED SPECIFICATIONS

Fixture shall be outdoor weatherproof area lighter sharp cutoff luminaire, for HID lamps. Housing and lens frame shall each be one piece corrosion resistant die-cast aluminum with radiused edges and corners. The low E.P.A. of 1.30 luminaire shall be finished in Duraplex II™ dark bronze polyester powder. Fixture shall be furnished with an integral constant wattage high power factor ballast (type CWA), mounted to die-cast housing for heat dissipation.

Lens frame shall be one piece corrosion resistant die-cast aluminum with integral hinges and radiused corners held by two captive stainless steel fasteners. Lens frame will provide constant equal pressure on the neoprene gasket sealing the optical chamber from rain, dust and insects. Frame will retain an optically clear, heat and impact resistant tempered glass lens, silicone sealed and held in place with retainer clips.

The mounting arm construction shall allow for securing luminaire on a square pole, all mounting hardware shall be hidden inside the arm. Mounting arrangements on one, two, three or four way shall be possible. Two unique reflectors are available, one for high pressure sodium and one for metal halide lamps.

The hydroform reflector shall be one piece multi-faceted, high purity, aluminum with specular Alzak® finish.

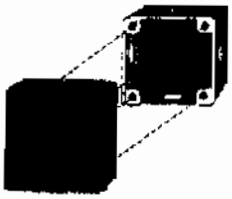
Fixture shall be equipped with deluxe, glazed porcelain lamp socket with nickel plated, vibration-proof "lamp-grip", screw shell and spring-loaded center contact. Sockets in high pressure sodium units shall be pulse-rated for 4KV.

Distribution shall be Type III medium as classified by IES with no trespass house side distribution.

Fixture shall be Stonco Cat. No. (specify).

For MCL Series (up to 400W) Shoebox Fixtures

206WBR



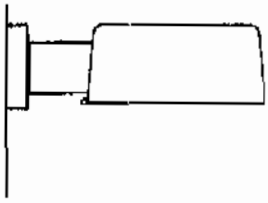
MC10

MC10

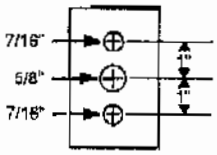
Die-cast aluminum adapter mounting plate with bronze powder finish. Fixture arm mounts to MC10 and can be surface mounted via 4 lag bolts.

206WBR

Die-cast aluminum J-Box for MC10. Has four 3/4" threaded holes. Finished in bronze powder.



MCL Template



MCLTA10R

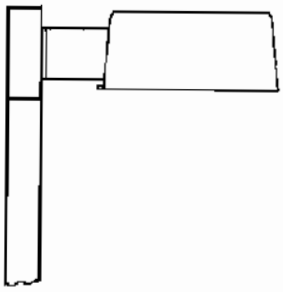
MCLTA10S

MCLTA10R and MCLTA10S

Sand-cast aluminum tenon adapters. Allows 1 to 4 fixtures to be mounted to a square or round pole with a 2 3/8" tenon.

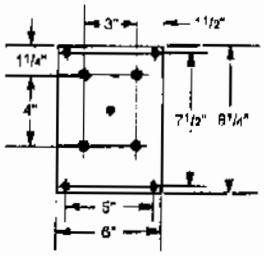
Number of Fixtures	Round Pole Adapters	Square Pole Adapters
1	MCLTA10R*	MCLTA10S
2	MCLTA20R*	MCLTA20S
3	MCLTA30R*	MCLTA30S
4	MCLTA40R*	MCLTA40S

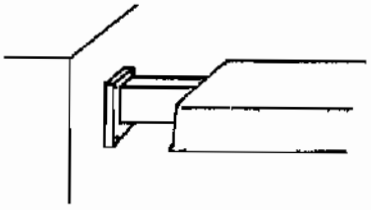
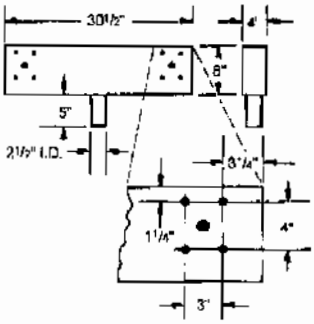
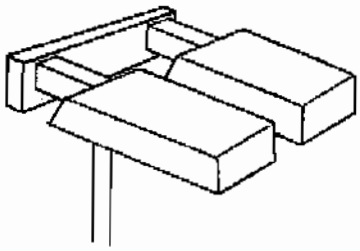
*Requires one MCLRPA4 round pole adapter per fixture.



For LCL Series (1000W) Shoebox Fixtures

RL100





RM2CA