

7.5" MID-OUTPUT CYLINDER

MC7

LED

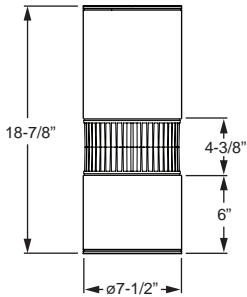
CATALOG #:	TYPE:
PROJECT:	NOTES:

EXAMPLE → **MC7** - **L63/835** - **BLK** - **CS/M** - **OPTIONS** - **CM** - **DIM** - **UNV**

SERIES LUMEN PACKAGE CRI & CCT HOUSING FINISH REFLECT. COLOR DIST. COLOR OPTIONS MOUNTING DRIVER VOLTAGE



CROSS SECTION



ORDERING INFORMATION

SERIES
MC7 7.5" Mid-Output LED Cylinder

LED PACKAGE
 Nominal lumens based on CS reflector finish and W distribution. See page 2 for fixture performance data.

Example: L63/835			
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	WATTAGE
80 CRI			
L42	4,200	830 = 80 CRI, 3000K 835 = 80 CRI, 3500K	71
L63	6,300	840 = 80 CRI, 4000K	106
90 CRI			
L34	3,400	927 = 90 CRI, 2700K 930 = 90 CRI, 3000K	71
L50	5,000		106

HOUSING FINISH
 For custom color options, visit the MC7 at www.hew.com.¹

ALUM Satin silver aluminum
BLK Textured black
BRZ Textured bronze
NKL Textured nickel
SLV Textured silver
WHT Textured white

REFLECTOR FINISH

CS Clear semi-specular (standard)
SPC Clear specular
CG Champagne gold
GD Gold
PW Pewter
SG Satin-glow
STR Straw
WT Wheat
WH Painted white reflector, textured

DISTRIBUTION

W 70° Wide
M 60° Medium
N 40° Narrow

OPTIONS

EM drivers not available.
LAD Acrylic luminous disk
LADO Acrylic luminous disk open
LAR Acrylic luminous ring

MOUNTING
 See page 3 for cord options and mounting details.

CM__ Adjustable aircraft cable mount, specify length (24", 48", or 96" available; not for use on sloped ceilings). Canopy and cord painted white unless specified otherwise, must specify cord, see page 3.
Example: 24" cable = **CM24**.

PM__ Pendant mount (specify length in 1" increments, minimum 4"), see back. Canopy and pendant match fixture housing color unless specified otherwise.
Example: 24" pendant = **PM24**.

QM Quick installation canopy surface mount
WM Wall mount

DRIVER
 Additional dimming drivers available, see [Technical Info](#).

DRV Driver prewired for non-dimming applications
DIM 10% dimming driver prewired for 0-10V low voltage applications
SD Driver pre-wired for stepped dimming (See page 2 for dimming levels)

VOLTAGE

120 120V
277 277V
UNV 120-277V
347 347V (DRV and DIM only)

FEATURES

- ▶ Mid-output illumination for 12'-36' mounting heights.
- ▶ Self-flanged aluminum reflector prevents light leaks and is available in assorted colors.
- ▶ Wide, medium, and narrow distributions to tailor performance to the application.
- ▶ Available in six standard finish colors.
- ▶ Optional 90 CRI provides long-life alternative to tungsten halogen.
- ▶ Passive aluminum heat sink for reliable thermal management.
- ▶ Multiple driver options to adapt to a variety of control systems.
- ▶ Multi-channel LED board allows for stepped switching configurations.
- ▶ All-aluminum cylinder components dissipate heat for cooler operation.
- ▶ This fixture is proudly made in the USA.

¹ For custom colors other than RAL, manufacturers' code plus two swatches (minimum 1" square) required.



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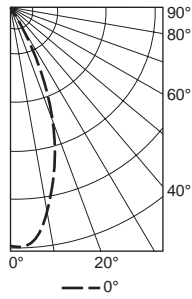
LED

SPECIFICATIONS

Housing – Extruded aluminum.
Finish – Polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
Electrical – High power LEDs on aluminum circuit board. L70 >60,000 hours. 40°C maximum ambient operating temperature.
Mounting – Surface, cable, pendant or wall mount. Indoor applications only. Max weight approximately 16 lbs. Max weight with SD transformer and 347V approximately 22 lbs.
Labels – cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
Warranty – 5-year limited warranty, see hew.com/warranty.

PHOTOMETRY

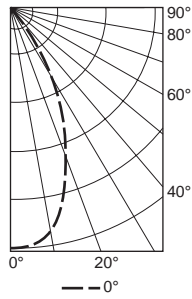
MC7-L63/835-WHT-CS/N-PM-DRV-UNV Report #: 19623.0; 12/19/16 | Total Luminaire Output: 7043 lumens; 106.4 Watts
 Efficacy: 66.2 lm/W | 83.3 CRI; 3474K CCT | IES Spacing Criteria: Adjacent = .6, Diagonal = .5



	Vertical Angle	Horizontal Angle 0°	Zonal Lumens
CANDLEPOWER DISTRIBUTION	0	14577	
	5	14271	1362.2
	15	10093	2861.0
	25	4242	1963.7
	35	1098	689.9
	45	169	130.6
	55	22	19.5
	65	11	10.7
	75	5	5.5
	85	0	0.3
	90	0	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	6187	87.8
	0 - 40	6877	97.6
	0 - 60	7027	99.8
	0 - 90	7043	100.0
	0 - 180	7043	100.0

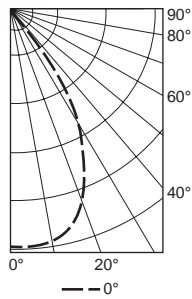
MC7-L63/835-WHT-CS/M-PM-DRV-UNV Report #: 19628.0; 12/21/16 | Total Luminaire Output: 6179 lumens; 106.4 Watts
 Efficacy: 58.1 lm/W | 83.3 CRI; 3515K CCT | IES Spacing Criteria: Adjacent = .8, Diagonal = .6



	Vertical Angle	Horizontal Angle 0°	Zonal Lumens
CANDLEPOWER DISTRIBUTION	0	8509	
	5	8445	806.1
	15	7204	2042.1
	25	4268	1975.6
	35	1697	1066.0
	45	307	237.4
	55	34	30.7
	65	16	15.6
	75	5	5.8
	85	0	0
	90	0	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	4824	78.1
	0 - 40	5890	95.3
	0 - 60	6158	99.7
	0 - 90	6179	100.0
	0 - 180	6179	100.0

MC7-L63/835-WHT-CS/W-PM-DRV-UNV Report #: 19627.0; 12/21/16 | Total Luminaire Output: 6304 lumens; 106.4 Watts
 Efficacy: 59.2 lm/W | 83.2 CRI; 3520K CCT | IES Spacing Criteria: Adjacent = 1.0, Diagonal = .7



	Vertical Angle	Horizontal Angle 0°	Zonal Lumens
CANDLEPOWER DISTRIBUTION	0	6017	
	5	6100	582.3
	15	5739	1626.7
	25	4448	2058.9
	35	2170	1363.5
	45	683	528.6
	55	107	96.0
	65	33	32.4
	75	13	14.2
	85	2	2.0
	90	0	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	4268	67.7
	0 - 40	5631	89.3
	0 - 60	6256	99.2
	0 - 90	6304	100.0
	0 - 180	6304	100.0

REFLECTOR FINISH MULTIPLIER		
CATALOG NUMBER	REFLECTOR FINISH	CONVERSION FACTOR
CS	Clear semi-specular	1.00
SPC	Clear specular	1.02
CG	Champagne Gold	0.96
GD	Gold	0.93
PW	Pewter	0.86
SG	Satin-glow	0.83
STR	Straw	0.97
WH	White, textured	0.90
WT	Wheat	0.88
MB	Micro-baffle	0.60

COLOR TEMPERATURE MULTIPLIER	
CCT/CRI	CONVERSION FACTOR
3000K/80CRI	0.96
3500K/80CRI	1.00
4000K/80CRI	1.05
2700K/90CRI	0.80
3000K/90CRI	0.80

STEP DIMMING LEVELS

LUMEN PACKAGE	DIM LEVEL
80 CRI	
L42	-
L63	33%
90 CRI	
L34	-
L50	33%

FIXTURE PERFORMANCE DATA

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
80 CRI				
L42	W	4203	71	59
	M	4120		58
	N	4695		66
L63	W	6304	106	60
	M	6179		58
	N	7043		66
90 CRI				
L34	W	3363	71	47
	M	3297		46
	N	3758		53
L50	W	5045	106	48
	M	4945		47
	N	5637		53

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Results based on 3500 CCT.



MOUNTING DETAILS

CABLE MOUNT (CM_)

- Cable mount fixtures are provided with:
- Adjustable length aircraft cable, must specify length in inches.
 - White cord, No. 18 AWG.
 - One 5" canopy.
 - T-bar clip with 1/4-20 stud.
 - Not for use on sloped ceilings.
 - See [instruction sheet](#) for more information.



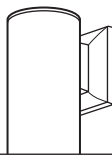
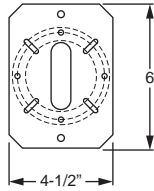
PENDANT MOUNT (PM_)

- Swivel pendant mount fixtures are provided with:
- Swivel canopy with 3/4" threaded stem (specify length of stem, 4" minimum, 24" default length)
 - T-bar clip with 1/4-20 stud.
 - Hard ceiling anchor provided by others.
 - See [instruction sheet](#) for more information.



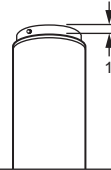
WALL MOUNT (WM)

- Mounts to 4" maximum J-box. Includes wall mounting plate and cast cover.



QUICK SURFACE MOUNT (QM)

- Quick installation canopy surface mount



FIXTURE DETAILS

CORD OPTIONS

Must specify cord when cable mounting.

EXAMPLE: S2438/W				
CORD TYPE	LENGTH	# OF CONDUCTORS	WIRE SIZE	COLOR
S = Straight	24 = 24"	3 = 3	8 = 18-gauge	/B = Black /W = White
	48 = 48"	4 = 4		
	96 = 96"	5 = 5		

