

7.5" HIGH OUTPUT CYLINDER

HC7

LED

CATALOG #:

TYPE:

PROJECT:

NOTES:

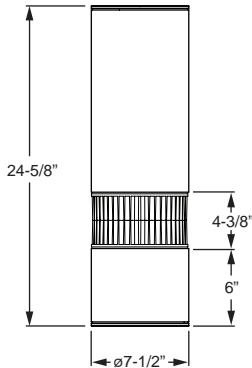
EXAMPLE

HC7 - L102/835 - BLK - CS/M - OPTIONS - CM - DIM - UNV

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



CROSS SECTION



ORDERING INFORMATION

SERIES

HC7 7.5" High Output LED Cylinder

LED PACKAGE

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

Example: L102/835			WATTAGE
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	
80 CRI			
L81	8,100	830 = 80 CRI, 3000K	141
L102	10,200	835 = 80 CRI, 3500K 840 = 80 CRI, 4000K	177
90 CRI			
L65	6,500	927 = 90 CRI, 2700K	141
L81	8,100	930 = 90 CRI, 3000K	177

HOUSING FINISH

For custom color options, visit the HC7 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 battery 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.

PM Pendant mount (specify length in 1" increments, minimum 4"), see back. Canopy and pendant match fixture housing color unless specified otherwise.

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

- ▶ High output illumination for 20'-60' 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.

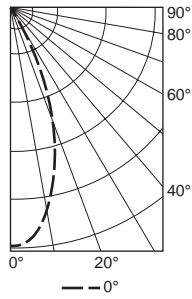


¹ For custom colors other than RAL, manufacturers' code plus two swatches (minimum 1" square) required.

LED

PHOTOMETRY

HC7-L102/835-WHT-CS/N-PM-DRV-UNV Report #: 19626.0; 12/20/16 | Total Luminaire Output: 11379 lumens; 177 Watts
Efficacy: 64.6 lm/W | 83.2 CRI; 3495K CCT | IES Spacing Criteria: Adjacent = .7, Diagonal = .5



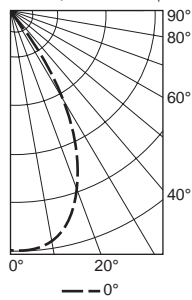
CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle 0°	Zonal Lumens
	0	21604	
	5	21144	2018.3
	15	15386	4361.3
	25	7175	3320.9
	35	2205	1385.2
	45	303	234.4
	55	37	33.3
	65	19	19.1
	75	6	6.7
	85	0	0
	90	0	0

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	9701	85.2
	0 - 40	11086	97.4
	0 - 60	11353	99.8
	0 - 90	11379	100.0
	0 - 180	11379	100.0

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 20 lbs. Max weight with SD transformer and 347V approximately 26 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.

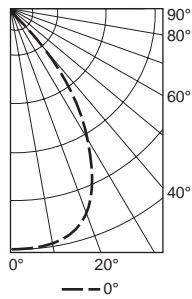
HC7-L102/835-WHT-CS/M-PM-DRV-UNV Report #: 19625.0; 12/20/16 | Total Luminaire Output: 10011 lumens; 176.4 Watts
Efficacy: 56.7 lm/W | 83.0 CRI; 3512K CCT | IES Spacing Criteria: Adjacent = .9, Diagonal = .6



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle 0°	Zonal Lumens
	0	11635	
	5	11554	1102.9
	15	10702	3033.8
	25	7387	3419.3
	35	3157	1983.0
	45	497	385.0
	55	61	54.4
	65	24	24.0
	75	8	8.3
	85	0	0
	90	0	0

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	7556	75.5
	0 - 40	9539	95.3
	0 - 60	9978	99.7
	0 - 90	10011	100.0
	0 - 180	10011	100.0

HC7-L102/835-WHT-CS/W-PM-DRV-UNV Report #: 19624.0; 12/20/16 | Total Luminaire Output: 10180 lumens; 176.4 Watts
Efficacy: 57.7 lm/W | 82.9 CRI; 3525K CCT | IES Spacing Criteria: Adjacent = 1.0, Diagonal = .7



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle 0°	Zonal Lumens
	0	8779	
	5	8830	842.9
	15	8477	2403.0
	25	7040	3258.7
	35	4005	2515.9
	45	1197	927.3
	55	172	153.9
	65	56	55.2
	75	20	21.5
	85	2	1.7
	90	0	0

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	6505	63.9
	0 - 40	9020	88.6
	0 - 60	10102	99.2
	0 - 90	10180	100.0
	0 - 180	10180	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	1.00
3000K/90CRI	1.00

STEP DIMMING LEVELS

LUMEN PACKAGE	DIM LEVEL
80 CRI	
L81	50%
L102	40%
90 CRI	
L65	50%
L81	40%

FIXTURE PERFORMANCE DATA

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
80 CRI				
L81	W	8145	141	58
	M	8011		57
	N	9123		65
L102	W	10180	177	58
	M	10011		57
	N	11379		65
90 CRI				
L65	W	6518	141	46
	M	6411		46
	N	7301		52
L81	W	8148	177	46
	M	8012		45
	N	9107		52

- 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.
- Hard ceiling anchor provided by others.
- Not for use on sloped ceilings.
- See [instruction sheet](#) for more information.



PENDANT MOUNT (PM_)

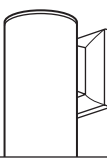
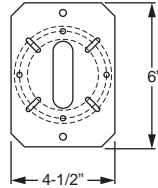
Swivel pendant mount fixtures are provided with:

- 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.



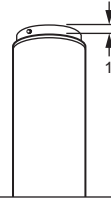
WALL MOUNT (WM)

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		

