

MINILITER[®] LED SERIES

Cat.#

Job

Type



HUBBELL
Outdoor Lighting

Approvals

SPECIFICATIONS

Intended Use:

Sign, facade, area, accent and general security lighting

Construction:

- Die-cast aluminum housing and door, rugged, corrosion resistant and compact
- Tempered, impact resistant glass lens
- Tool-free entry for easy maintenance – twin stainless steel latches
- Protective powder paint finish
- Effective Projected Area (EPA) is 1.4 sq. ft.

LED:

- 30 high powered LEDs driven at 700mA
- Different lenses offer a variety of beam spreads – Narrow (3x3), Medium (3x3), Rectangular (5x5) and Wide (6x6)
- 3000K, 4000K, and 5000K CCT
- Up to 112 LPW
- Minimum operating temperature -40°C/ -40°F

Optical/Electrical

- Silicone lens/door gasket provides positive seal
- Electronic driver 70w system. 0.4 AMPS max, 120-277V, 50/60Hz

Optical/Electrical (cont.)

- 0-10V dimming driver standard, order as special to have dimming leads pulled
- Flat lens protects LEDs and allows debris removal
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- 10KA surge protection included

Installation:

- Heavy duty steel yoke with adjustable stainless steel hardware, mounting holes for one center - 3/4" bolt or two side - 3/8" bolts
- Cast aluminum knuckle (MHS-K) slip-fits 2-3/8" OD tenons/pipe, provides concealed wiring for appearance and safety.

Listings:

Listed to UL 1598 for use in wet locations, CSA 22.2 No. 250.0-00, suitable for wet locations. U.S. Patent No. 6,461,026.
• 4K and 5K models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details:
<http://www.designlights.org/QPL>

Warranty:

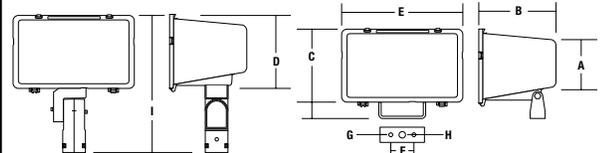
For more information visit:
<http://www.hubbelloutdoor.com/resources/warranty/>

PRODUCT IMAGE(S)



MHS YOKE MOUNT

DIMENSIONS



MHS KNUCKLE MOUNT

MHS YOKE MOUNT

A	B	C	D	E	F	G	H	I
6 1/2"	14 1/2"	12"	9 7/8"	16 1/4"	3 1/8"	17/32"	7/8"	17"
165 mm	368 mm	305 mm	251 mm	413 mm	79 mm	14 mm	22 mm	432 mm

SHIPPING INFORMATION

Catalog Number	G.W(kg)/CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
MHS-Y	20 (9.1)	17 (43)	14.5 (36.8)	14.5 (36.8)
MHS-K	25 (11.4)	17 (43)	14.5 (36.8)	14.5 (36.8)

CERTIFICATIONS/LISTINGS



ORDERING INFORMATION

ORDERING EXAMPLE: MHS-Y-30LU-5K-W-BZ



FAMILY	MOUNTING	# LEDS	VOLTAGE ¹	LED COLOR ²	BEAM	DRIVE CURRENT	FIXTURE COLOR	PC	OPTIONS
MHS	Y Yoke K Knuckle	30L	U 120V-277V 1 120V 2 208V 3 240V 4 277V 5 480V F 347V	3K ² 3000K 4K 4000K 5K 5000K	N Narrow (Narrow 3x3) M Medium (Wide 3x3) RM Rectangular (5x5) W Wide (Wide 6x6)	BLANK 700mA	BZ Bronze BL Black WH White GR Gray PS Platinum CC Custom Color	PC ¹ Photo control (voltage specified and determined by voltage field) PR Twist lock PC receptacle	F ¹ Fusing (voltage specified and determined by voltage field)

1 - Specify voltage for PC and Fusing options

2 - DLC qualification 4K and 5K models only

PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	NEMA	FIELD ANGLE H° x V°	5K (5000K nominal, 70 CRI)			4K (4000K nominal, 70 CRI)			3K (3000K nominal, 80 CRI)		
						LUMENS	LPW ¹	MAX BEAM CANDLEPOWER	LUMENS	LPW ¹	MAX BEAM CANDLEPOWER	LUMENS	LPW ¹	MAX BEAM CANDLEPOWER
30	700mA	70w	N	3 x 3	33° x 33°	7,556	108	56,676	6,913	99	54,593	5,625	80	43,698
			M	3 x 3	40° x 40°	7,860	112	30,663	7,495	107	29,239	5,790	83	23,773
			RM	5 x 5	99° x 80°	6,969	99.5	11,558	6,569	94	11,355	5,099	73	8,933
			W	6 x 6	107° x 105°	7,707	110	5,730	7,240	103.5	5,673	5,586	80	4,694

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

ELECTRICAL DATA

# OF LEDS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
30	STD. 700mA	120	70	0.56
		277	70	0.26

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS					L70 (hours)
	0	25,000	50,000	TM-21-11 ¹ L96 60,000	100,000	
25°C / 77°F	1.00	0.98	0.96	0.96	0.94	>696,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.92	>565,000

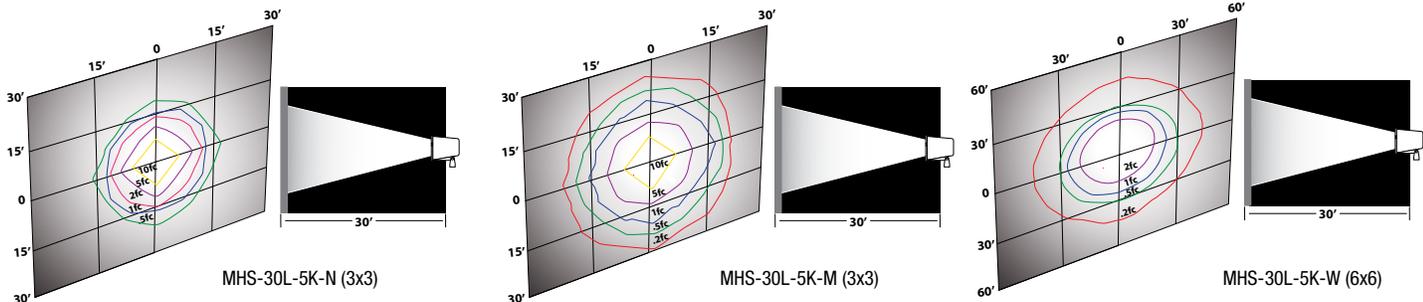
1. Projected per IESNA TM-21-11 * (Nichia 219B, 700mA, 85°C Ts, 10,000hrs)
Data references the extrapolated performance projections for the MHS base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE	LUMEN MULTIPLIER
0° C	1.02
10° C	1.01
20° C	1.00
25° C	1.00
30° C	1.00
40° C	0.99
50° C	0.98

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

PHOTOMETRICS For additional photometric information and IES downloads, visit our web site at www.hubbelloutdoor.com



ACCESSORIES - Order Separately

Catalog Number	Description
PBT-1	Photocontrol, button type, 120V
PBT-234	Photocontrol, button type, 208, 240, 277V
MHS4-SPC	Polycarbonate shield (for independent use only)
MHS4-G	Wire guard, 2" square grid (for independent use only)
4024C	Steel slipfitter for 2" pipe, 2 3/8" OD yoke mount, bronze finish
MHS4-GS	Glare shield, black finish (for independent use only)
MHS4-VGS	Vertical glare shield, black finish (for independent use only)
MHS4-HGS	Horizontal glare shield, black finish (for independent use only)
MHS-21	Two light bracket, bolt on yoke mount, slipfits 2 3/8" OD tenons, bronze finish
SSB-21-M51	Two light bracket, knuckle mount units, slipfits 2 3/8" OD tenons, bronze finish
TWK-11	Steel wall bracket with 2 3/8" tenon, bronze finish (use with MHS-K)

REPLACEMENT PARTS - Order Separately

Catalog Number	Description
93011267	Replacement lens door
93044764	40w driver
93022563	10KA surge protector
REP30LX ¹ KX ² PS	30LED replacement module

1 - Replace X with CCT (3= 3000K, 4= 4200K, 5= 5100K)
2 - Replace X with Distribution (N= 2x2, M= 4x4, RM= 5x3, W= 6x6)

