

MTH SERIES HAZARDOUS LOCATION



CAT.#		APPROVALS
JOB	TYPE	

SPECIFICATIONS

Applications

The NEW Hubbell LED Machine Tool light is designed to efficiently light any tough or classified flood light applications. Excellent for any application requiring long life and low maintenance cost.

Construction -

- Die cast aluminum body designed for maximum heat dissipation
- Sealed tempered glass lens
- Advanced thermal management techniques and components.
- Standard gray finish

Optics/Electrical System -

- 12° Spotlight or 32° flood available

LED Light Engine -

- 5000K color temperature
- Available in 6, 12, and 18 chip configurations

LED Driver -

- Dedicated constant current driver
- MTH- 14w Spot 350mA (12 LEDs)
- MTH- 16w Spot 700mA (6 LEDs)

Listings -

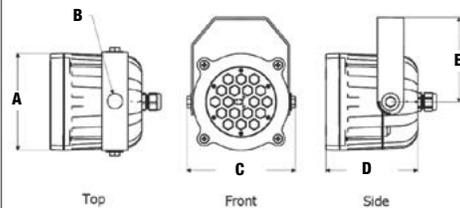
- CSA tested to UL1598 Wet Location, IP66
- UL844 Class I, Division 2, Groups A, B, C & D

Warranty -

- Five years from date of purchase



DIMENSIONS



MTH	A	B	C	D	E
	5 ⁵ / ₁₆ "	7 ⁷ / ₈ "	5 ⁵ / ₁₆ "	4 ¹³ / ₁₆ "	6 ¹ / ₄ "



ORDERING INFORMATION

ORDERING EXAMPLE: MTH-6LU-5K-SP-YK-C3GR

MTH	-		L	U	-	5K	-		-	YK	-	C3	GR
Series		# of LEDs	Source	Voltage		Color Temp		Distribution		Mount		Cord	Colors

SERIES

MTH Machine Tool LED Series

VOLTAGE

U 120 - 277V

MOUNT

YK Standard Yoke Mount

COLORS

GR Grey

NUMBER OF LEDS

6 6 LED Chips
12 12 LED Chips
18 18 LED Chips

COLOR TEMPERATURE

5K 5000° Kelvin

CORD

C3 Cord, 3' SO no plug
C6 Cord, 6' SO no plug
C9 Cord, 9' SO no plug

SOURCE

L LED

DISTRIBUTION

SP 12° Spot
FL 32° Flood

BASE MODEL	TOTAL WATTS	NUMBER OF LEDS	DRIVE MA	COLOR TEMPERATURE	T-CODE
MTH-12LU-5K-SP-CXX	14w	12	350MA	5000K	T5
MTH-12LU-5K-FL-CXX					
MTH-6LU-5K-SP-CXX	16w	6	700MA		
MTH-6LU-5K-FL-CXX					
MTH-18LU-5K-SP-CXX	21w	18	350MA		
MTH-18LU-5K-FL-CXX					

MTH LED PERFORMANCE DATA

LED SYSTEM CONFIGURATION	DRIVE CURRENT	LED CHIPS	AT 25°C (77°F) AMBIENT			AT 35°C (98°F) AMBIENT		
			INITIAL LUMENS	L70 HOURS	L90 HOURS	JUNCTION TEMP ¹	L70 HOURS	L90 HOURS
MTH - 14W SPOT	350mA	12	1163	210,000	60,000	59.1	140,000	40,000
MTH - 16W SPOT	700mA	6	825	100,000	32,000	71.2	80,000	24,000
MTH - 21W SPOT	350mA	18	1506	140,000	42,000	68.4	98,000	30,000

1. The junction temperature of the LED chip is the single most important factor determining expected life and lumen maintenance.

ENERGY SAVINGS DATA/OPERATING COST COMPARISON – MTH VS. TRADITIONAL MACHINE TOOL LIGHT

DOCK LIGHT SYSTEM	INPUT WATTS	RATED LAMP LIFE (HOURS)	AVERAGE ANNUAL COST OF OPERATION		
			ENERGY COST	MAIN COST	TOTAL COST
Q500 T3 Quartz	500	2,000	\$240	\$60	\$300
Q300 T3 Quartz	300	2,000	\$144	\$60	\$204
MH70 Med	88	12,000	\$42	\$27	\$69
MH100 Med	119	15,000	\$57	\$24	\$81
MH150 Med	186	15,000	\$89	\$24	\$113
100 PAR	100	3,000	\$48	\$47	\$95
MTH - 14w LED	14	210,000	\$7	-	\$7
MTH - 16w LED	16	100,000	\$8	-	\$8
MTH - 21w LED	21	140,000	\$10	-	\$10

1. All operating cost estimates are for general illustrative purposes. Actual values will vary on a site specific basis.
2. Annual maintenance and energy costs are estimated based upon 4,000 annual operating hours per year, for ten years.
3. Energy costs are based upon \$0.12 cents per kWh, maintenance cost estimates include lamps, ballasts and labor.