CHANNEL HIGH BAY INDUSTRIAL

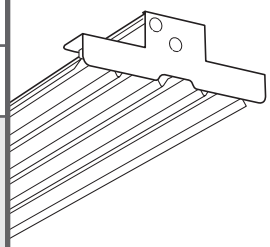
HL

SUBMITTAL:

JOB:

TYPE: **VOLTAGE:**

4-Lamp T8

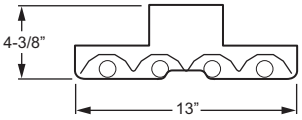


EXAMPLE **HL - 4 - 4 32 - MD - OPTIONS - EBHW4 - UNV**

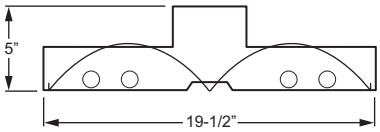
SERIES	NOMINAL LENGTH	TOTAL LAMPS	WATTAGE/ TYPE	DISTRIBUTION	OPTIONS/ ACCESSORIES	BALLAST TYPE	VOLTAGE
HL	4	4	32	MD	OPTIONS	EBHW4	UNV

FEATURES

- Up to **96.3% optical efficiency.**
- Consumes less energy than metal halide or HPS and delivers comparable light levels when replaced one-for-one.
- Multiple distributions and uplight options available.
- Medium distribution using precision-formed highly reflective aluminum reflector is standard.
- Wide distribution option features a highly reflective white painted aluminum reflector.
- Quick-wire access plate in back of fixture housing for easy attachment of incoming power supply.
- Versatile mounting options available.
- This fixture is proudly made in the USA.



Medium (MD) or Wide (WD) Distribution



Narrow Distribution (ND)[1]

NOTE: HL ships without lamps. For lamp options please consult factory.

SPECIFICATIONS

Housing – 20-gauge die-formed C.R.S.
Reflector – Precision-formed 95% reflective highly specular aluminum.
Finish – 92% minimum average reflective white 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 – Electronic ballast standard, instant start T8, rated Class P.
Mounting – Suspended (see options in ordering information).
Labels – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations.

ORDERING INFORMATION

SERIES

HL	Channel High Bay Industrial

NOMINAL LENGTH

4	4′

TOTAL LAMPS

4	

LAMP WATTAGE/TYPE

32	4′, 32-watt T8

DISTRIBUTION (Must specify)

MD	Medium distribution, specular reflector (standard)
ND[1]	Narrow distribution, specular reflector[1]
WD	Wide distribution, white reflector
MDUP	Medium distribution with uplight, specular reflector
NDUP[1]	Narrow distribution with uplight, specular reflector[1]
WDUP	Wide distribution with uplight, white reflector

OPTIONS/ACCESSORIES

Due to limited ballast space, please consult factory for EM ballast options.

For **occupancy sensor**[2] options (must specify voltage), see Fluorescent Information section.

VBY	(2) Y-hangers
VBY-2	(2) Y-hangers and (2) 2′ chains
GC2/Y18/5	Cable suspension kit, 5′ length (1 pair)
GC2/Y18/10	Cable suspension kit, 10′ length (1 pair)

OPTIONS/ACCESSORIES (Continued)

HUB MT 3/4"	Cast iron hub and junction box for single 3/4" pendant mount (shipped not attached)
HUB/HOOK MT	Cast iron hub with mounting hook (shipped not attached)
HOOK/CABLE S7238/B	Hook and cable mounting kit, 10′ 72" cord, 3 conductor, No. 18 AWG, black
6CPI/L5-15P/TWLK	6′ cord and NEMA twistlock 15 AMP plug, 120V
6CPI/L7-15P/TWLK	6′ cord and NEMA twistlock 15 AMP plug, 277V
WG11	11-gauge wireguard, white powder coated (not recommended for high abuse areas)

BALLAST TYPE

Due to size restrictions, ballast options restricted **ONLY to combinations listed below.**

EB4	4-lamp electronic ballast
EBHW4	4-lamp high-wattage electronic ballast
EB2/2	(2) 2-lamp electronic ballasts
EBHW2/2	(2) 2-lamp high-wattage electronic ballasts

VOLTAGE

Must specify voltage (not UNV) if using modular wiring, cord and plug, or occupancy sensor.

120	120V	**UNV**	120-277V
208	208V	**347**	347V
240	240V	**480**	480V
277	277V		

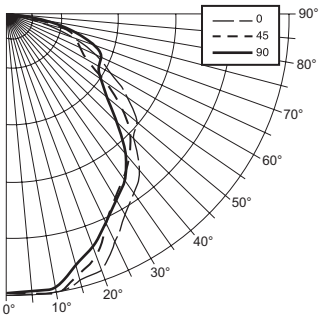
[1] 4-lamp fixture with ND option uses 6-lamp fixture housing.
[2] Program start ballast recommended to avoid shortened lamp life.

PHOTOMETRY

Catalog #: **HL-4-432-MD-EBHW4**

TEST REPORT INFORMATION

- Test Report #: 14063.0
- Date: 04/14/08
- Lamp Type: F32T8/835/RS
- Lamp Quantity: 4



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle 0°	45°	90°	Zonal Lumens
0°	5119.	5119.	5119.	
5°	5149.	5137.	5094.	490.2
15°	5038.	4923.	4744.	1393.2
25°	4584.	4217.	4206.	2002.7
35°	3983.	3653.	3691.	2342.3
45°	3215.	3131.	2771.	2340.0
55°	2657.	2146.	2047.	1994.5
65°	1771.	1439.	1865.	1629.1
75°	856.	1129.	1271.	1099.7
85°	138.	352.	373.	349.9
90°	0.	0.	0.	

ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	1.15	1.15	1.15	1.12	1.12	1.12	1.07	1.07	1.07
	1	1.05	1.01	.97	1.03	.99	.95	.95	.92	.89
	2	.96	.89	.82	.94	.87	.81	.83	.78	.74
	3	.88	.78	.71	.86	.77	.70	.74	.68	.63
	4	.81	.70	.62	.79	.69	.61	.66	.60	.54
	5	.74	.62	.53	.72	.61	.53	.59	.52	.46
	6	.68	.56	.47	.66	.55	.47	.53	.46	.40
	7	.63	.50	.42	.61	.49	.41	.48	.41	.35
	8	.58	.45	.37	.57	.44	.37	.43	.36	.31
	9	.54	.40	.32	.52	.40	.32	.39	.32	.27
	10	.50	.37	.29	.49	.36	.29	.35	.29	.24

Effective Floor Cavity Reflectance = .20

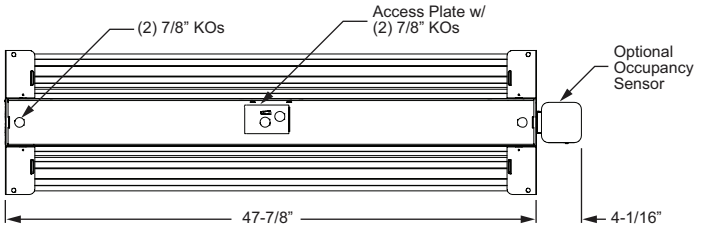
LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	3886.	27.4	28.5
0 - 40	6229.	44.0	45.7
0 - 60	10563.	74.6	77.4
0 - 90	13642.	96.3	100.0
Total Luminaire:			
0 - 180	13642.	96.3	100.0

Total Luminaire Optical Efficiency: **96.3%**
IES Spacing Criteria: End = 1.2
Diagonal = 1.1
Across = 1.1

FIXTURE DETAILS

BACK VIEW



FIXTURE INFORMATION

Distribution	Spacing Criteria		
	End	Diagonal	Across
Narrow	1.2	1.3	1.2
Medium	1.3	1.5	1.4
Wide	1.2	0.8	0.5