TAMLITE LIGHTING

Project:	
Location:	
Model#: HBM150SW-WRV-BK	**Type:**
Client:	**Qty:**
Prepared by:	**Date:**

SERIES SPECIFICATIONS

To supply the Tamlite HBM Series selectable white LED high bay luminaire as specified. The luminaire shall operate at 120-347Vac. The fixture is 0-10Vdc dimmable with optional sensor. Wattage is field selectable to three levels. CCT is filed selectable to three levels. The housing shall be constructed of aluminum with a prismatic lense. LEDs shall be as specified Lumileds® LED chips. The luminaire shall be cULus Listed.

cULus LISTED — DLC LISTED — IP65 — WET LOCATION — WRV 120-347 VAC — SELECTABLE WATTAGE — DIM 1-10V — LED — SELECTABLE WHITE — 5 YEAR LIMITED WARRANTY

PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart

#1 V-plane cd (90-270)
#2 V-plane cd (0-180)

Isolux Diagram

Horizontal FC
Mtg.Ht. = Grid = 20ft
.1 .2 .5 1 2 5 10
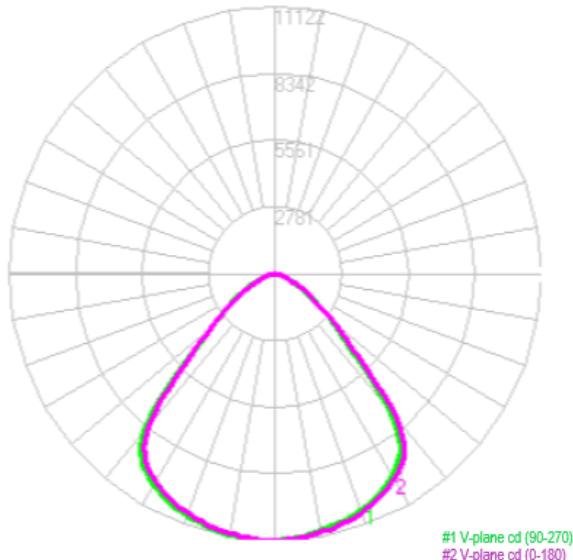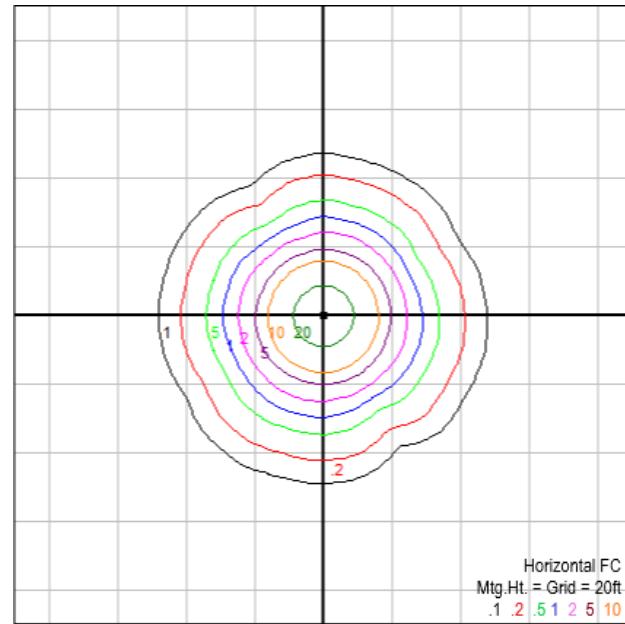
Zonal Lumen Summary

Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens
0-10	1053.75	30-40	5791.91	60-70	847.51	90-100	0.4	120-130	2.32	150-160	3.51
10-20	3059.11	40-50	4101.35	70-80	316.87	100-110	0.76	130-140	3.32	160-170	2.44
20-30	4767.01	50-60	1939.17	80-90	42.91	110-120	1.31	140-150	3.75	170-180	0.86

Total Initial Lumen Output; 21938.26 lm

Co-efficient of Utilization

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RF	20				20				20			20			20			20
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62
5	84	73	65	60	82	72	65	59	70	64	59	68	62	58	66	61	58	56
6	78	66	59	53	76	66	58	53	64	57	53	62	57	52	61	56	52	50
7	73	61	53	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45
8	68	56	49	43	67	55	48	43	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	51	44	39	50	44	39	49	43	39	48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34

Initial Lumen Output: 21937lm

CBCP: 11122cd

Luminaire Type: Direct

UL Classification: Wet Location Listed

CCN Number: IFAM7.E359675

Efficacy: 145.62lm/W

Beam Angle: 120 deg

Spacing Criteria: 1.32(0-180) 1.32(90-270)

Ambient Operating Temp: -40C to +50C

Limited Product Warranty: 5 Year(s)

Max Candela: 11122cd (270 h, 3V)

Field Angle: 170 deg

Environmental Rating(s): IP65

Certification Standards: UL Safety US-CA , DLC

R Tables

R1	83		R9	17
R2	90		R10	75
R3	94		R11	82
R4	83		R12	61
R5	83		R13	85
R6	85		R14	97
R7	87		R15	78
R8	68		Ra	85

TM-30
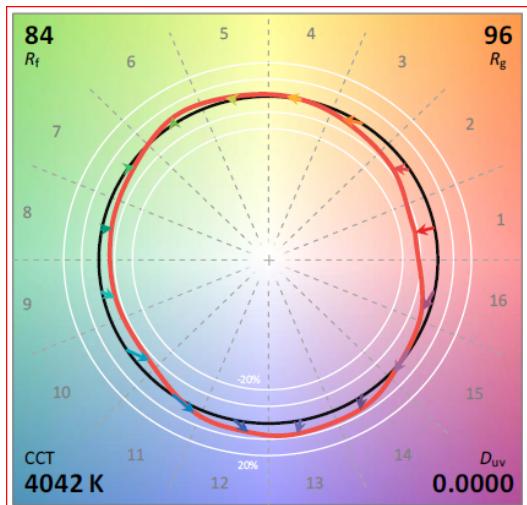
Source Type: LED
CRI: >80
L70: > 54000 hrs.

Manufacturer: Lumileds®
Rf: 84
L90: 50,000 hrs.

Part Number: L128
Rg: 96
Colour Temperature: Selectable White (3500K, 4000K, 5000K)

ELECTRICAL SPECIFICATIONS

Driver Manufacturer: Sosen
Input Frequency: 50/60 hz
Current Draw at 347Vac: 0.4323A
Power Factor at 120Vac: > 0.95
THD at 347Vac(%): < 10%
Surge Suppression: 6KV
Over Temperature Protection: Auto Recovery, The fixture shall shut down and return to operation when the temperature returns to normal.

Driver Part Number: SS-150M-XXXX
Fixture Draw: 150W (100,80,50W)
Inrush Current: 70 A2S
Power Factor at 347Vac: > 0.95
Driver MTBF: 200,000 hrs
Dimming: 0-10Vdc, (0% Min Light Level)
Short Circuit Protection: Auto Recovery. The output shall return to normal when the fault condition is removed.

Input Voltage: 120-347Vac
Current Draw at 120Vac: 1.2500A
Max On-Delay: < 0.5 S
THD at 120Vac(%): < 10%
Max Operating Case Temperature: 90C
Dimming Current mA: 0.11
Driver Certifications: c-RU-us Class 2, FCC Part 15 Class B, RoHS

PHYSICAL SPECIFICATIONS

Finish Colour: Black
Mounting: 1/2" NPS Threaded fitting, Loop standard
Lens Type: Refractor

Finish Type: Textured powder coat over chromate conversion coat
Housing Material: Die-cast Aluminium
Weight: 2.9 kg

Wiring: 3M length, UL STW 18#/3C, -40 +105°C, 600V, Black
Lens Material: Polycarbonate

## SHIPPING INFORMATION

OrderingCode(s): HBM150SW-UN4-BK

Box Weight: 3.9 kg

Box Quantity: 1

**Box Dimensions (L-W-H):** 355 x 355 x 185 mm

LINE DRAWING

Line Drawings

180.3
[7 3/32]

Ø 320
[Ø 12 19/32]
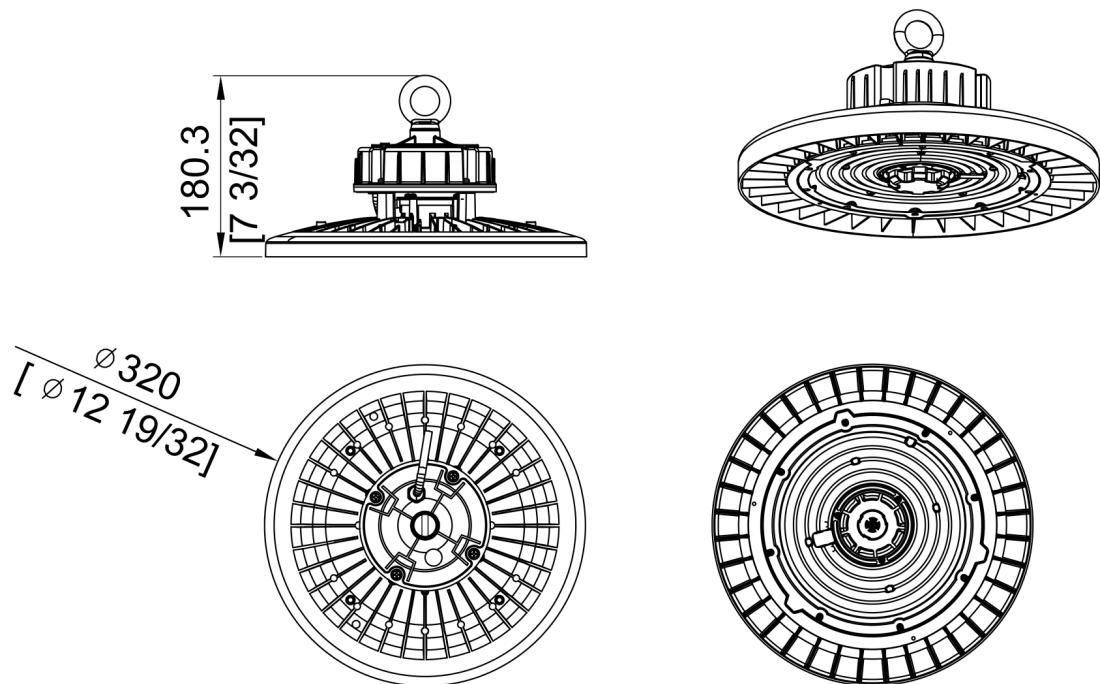
Series Architecture

HBM - _____ - _____ - _____ - _____

Part	Wattage		CCT		Voltage		Finish	
HBM	150	150W	SW	Selectable White	WRV	120-347VAC	BK	Black
	240	240W		3500K, 4000K, 5000K				

Options	
HBM-REF	Refractor
HBM-ACR	Lense
HBM-YK-__-BK	Yoke Mount (B, C, D) Sizing
HBM-HOOK	Mounting Hook with Safety Screw
HBM-PM	3/4" NPS Threaded Mount

Power Consumption vs Lumen Output			
	150W	100W	80W
3500K	21,105	14,070	11,256
4000K	21,937	14,625	11,700
5000K	21,750	14,500	11,600
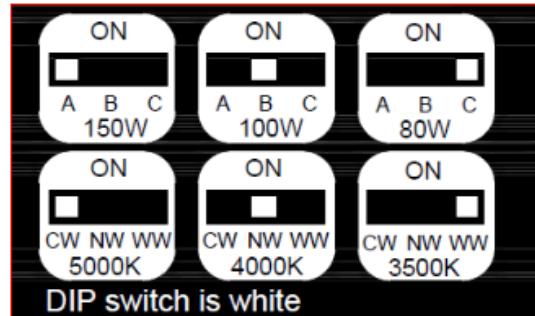
Optional Extras: HBM-REF(Acrylic refractor), HBM-ACR(Acrylic Lense), HBM-OC(Occupancy Sensor), HBM-OCREM(Occupancy sensor remote programmer), HBM-YK(Surface Mount Yoke), HBM-PM(3/4" NPT Adapter), HBM-HOOK(3/4" NPT Adapter)