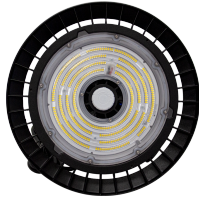




Project:	
Location:	
Model#: HBM150SW-WRV-BK	Type:
Client:	Qty:
Prepared by:	Date:

**SERIES SPECIFICATIONS**

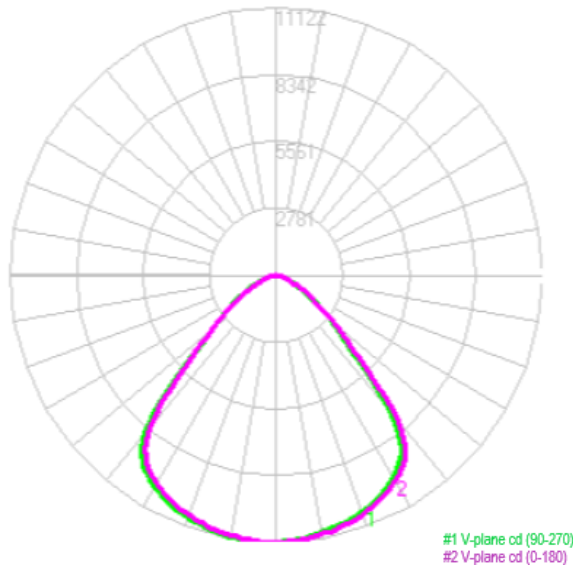


To supply the Tamlite HBM Series selectable white LED high bay luminaire as specified. The luminaire shall operate at 120-347Vac. The fixture is 0-10Vdc dimmable with optional sensor. Wattage is field selectable to three levels. CCT is field selectable to three levels. The housing shall be constructed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

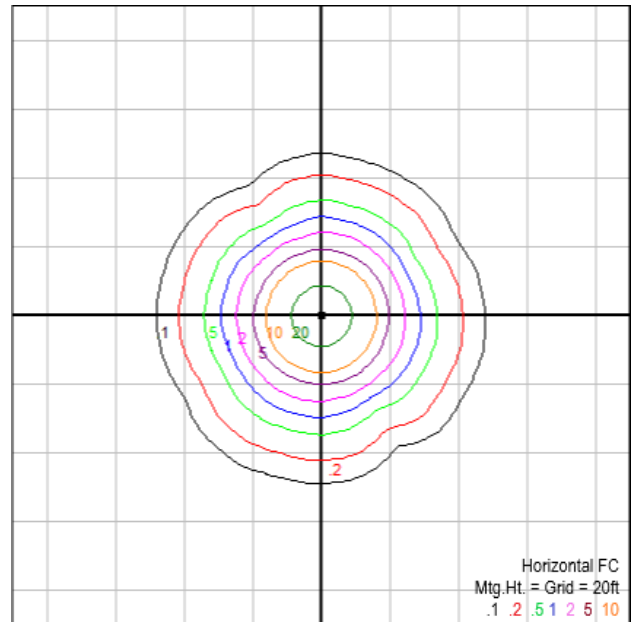


**PERFORMANCE SPECIFICATIONS**

**Luminance Distribution Chart**



**Isolux Diagram**



**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



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

**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

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

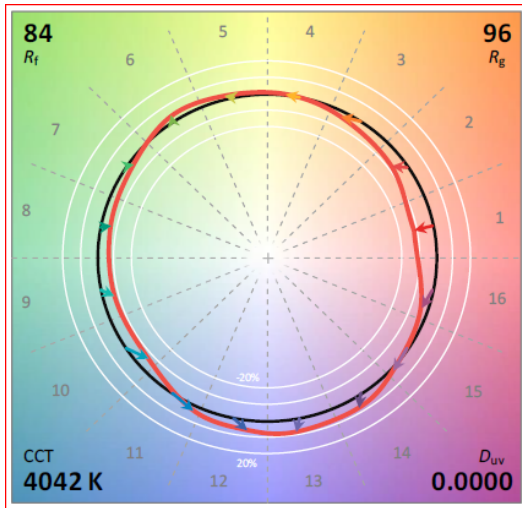
LED SPECIFICATIONS

R Tables

<b>R1</b>	83
<b>R2</b>	90
<b>R3</b>	94
<b>R4</b>	83
<b>R5</b>	83
<b>R6</b>	85
<b>R7</b>	87
<b>R8</b>	68

<b>R9</b>	17
<b>R10</b>	75
<b>R11</b>	82
<b>R12</b>	61
<b>R13</b>	85
<b>R14</b>	97
<b>R15</b>	78
<b>Ra</b>	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)



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

### 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

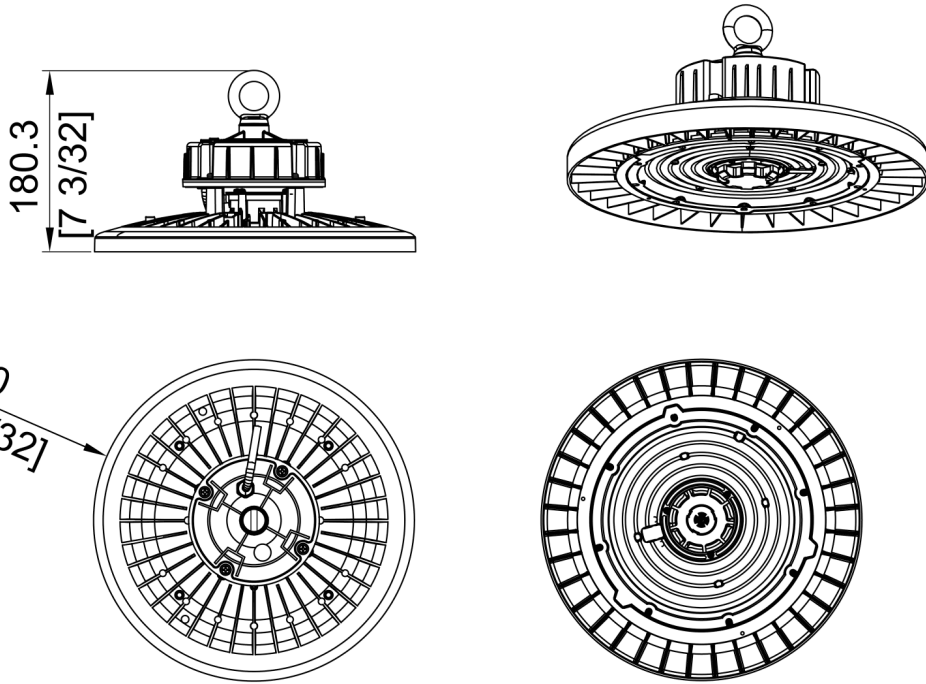
**Box Quantity:** 1

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

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

LINE DRAWING

Line Drawings



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

SERIES ARCHITECTURE

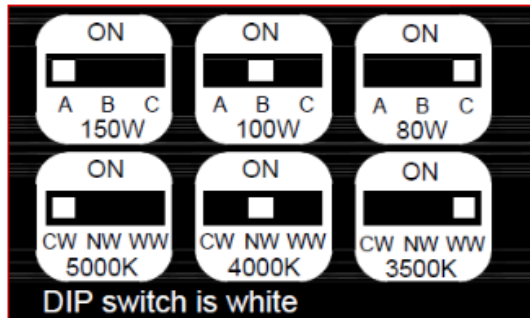
Series Architecture

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	Reflector
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 LumenOutput			
	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 reflector), 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)