



Project:	
Location:	
Model#: HBX10040KPM-WRV	Type:
Client:	Qty:
Prepared by:	Date:

## SERIES SPECIFICATIONS

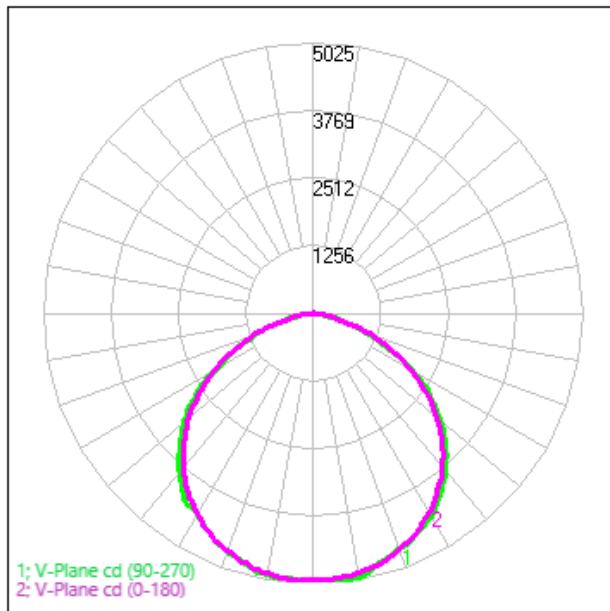


To supply TamLite HBX series of LED fixtures as specified. The luminaire shall operate at 120-347Vac. The housing shall be constructed of powder-coated steel with a heat and impact resistant polycarbonate lens. All parts shall be corrosion resistant. The fixture shall be cULus Listed.

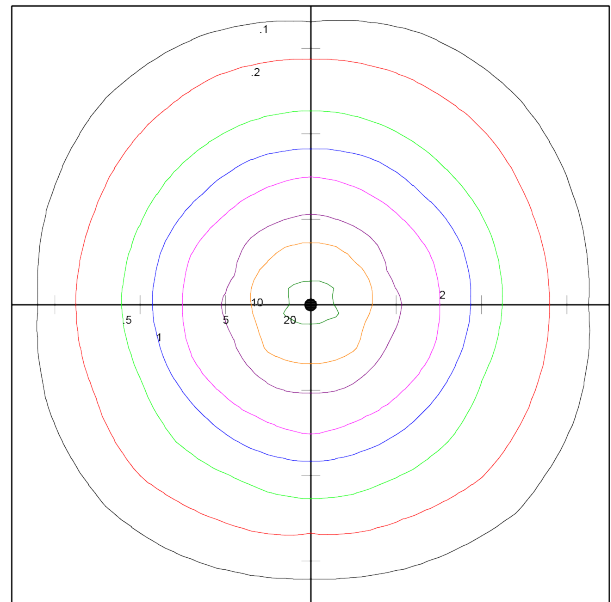


## PERFORMANCE SPECIFICATIONS

### Luminance Distribution Chart



### Isolux Diagram



TAMLITE LIGHTING  
HBX10040K-WRV

Horizontal Footcandles  
Scale: 1 Inch = 15 Ft  
Light Loss Factor = 1.00  
Lumens Per Lamp = N.A. (absolute photometry)  
Luminaire Lumens = 14533  
Mounting Height = 15.00 Ft  
Maximum Calculated Value = 23.93 Fc  
Arrangement: Single



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Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens
0-10	474.44	30-40	2569.88	60-70	1574.83	90-100	1.26	120-130	6.47	150-160	4.85
10-20	1373.77	40-50	2674.61	70-80	655.75	100-110	3.17	130-140	7.48	160-170	3.12
20-30	2102.36	50-60	2348.68	80-90	62.08	110-120	5.14	140-150	6.57	170-180	1.17

#### 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	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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	71	67	63	61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28			
10	54	41	33	28	52	40	33	27	39	32	27	38	32	27	37	31	27	25			

**Initial Lumen Output:** 14533lm

**Beam Angle:** 120 deg

**Spacing Criteria:** 1.32 (0-180), 1.30(90-270)

**Ambient Operating Temp:** -20C to +40C

**CCN Number:** IFAM7.E359675

**Efficacy:** 140lm/W

**Field Angle:** 170 deg

**Environmental Rating(s):** IP20

**Certification Standards:** UL Safety US-CA , DLC\_5.1

**Limited Product Warranty:** 5 Year(s)

**CBCP:** 5024

**Luminaire Type:** Direct

**UL Classification:** Dry Location Listed

**DLC Number:** PKAEQWHK

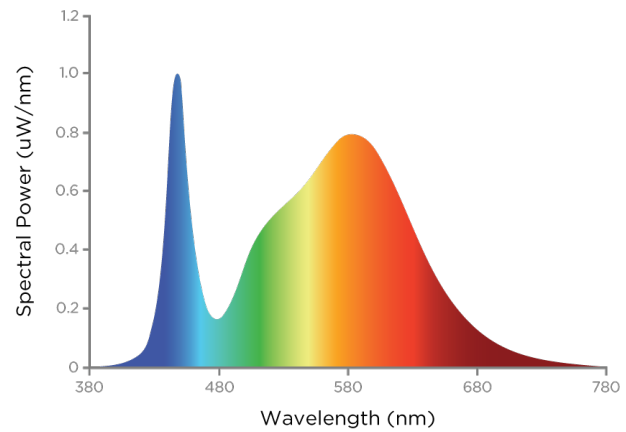
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## LED SPECIFICATIONS

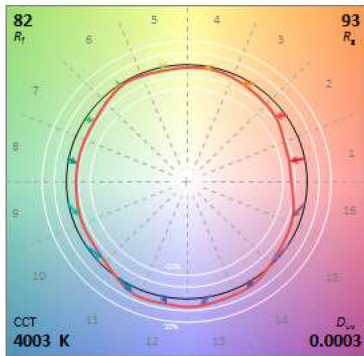
### R Tables

R1	80	R9	2
R2	91	R10	77
R3	95	R11	77
R4	79	R12	60
R5	80	R13	83
R6	86	R14	98
R7	84	R15	74
R8	61	--	--

### SPD



### TM-30



**Source Type:** LED

**Rf:** 82

**Colour Temperature:** 4000K

**Duv:** 0.0004

**Part Number:** Array Type

**Rg:** 93

**Chromaticity:** x=0.3805 y=0.3776

**CRI:** >80

**L90:** 50,000 Hrs.

**Colour Tolerance:** 5 SDCM

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## ELECTRICAL SPECIFICATIONS

**Driver Manufacturer:** ARC Smart Electronic Co., Ltd.

**Input Frequency:** 50-60Hz

**Current Draw at 277Vac:** 0.3755

**Power Factor at 120Vac:** >.90

**Max Operating Case Temperature:** 90C

**Dimming Current mA:** 0.45

**Driver Certifications:** c-RU-us Class 2, FCC Part 15 Class B, RoHS

**Driver Part Number:** ARC-D1-96I2000-MUV-D1-S

**Fixture Draw:** 103.8W

**Current Draw at 347Vac:** 0.2997

**THD at 120Vac(%):** <20%

**Surge Suppression:** Line to line 2kV, line to ground 4kV, IEC 61000-4-5

**Over Temperature Protection:** Auto recovery. The output recovers when the temperature returns to normal.

**Input Voltage:** 120~347Vac

**Current Draw at 120Vac:** 0.8667

**Inrush Current:** 0.25A2S

**Driver MTBF:** 320,000hrs

**Dimming:** 0-10Vdc, (0% Min Light Level)

**Short Circuit Protection:** Auto recovery.

The output recovers when short is removed.

## PHYSICAL SPECIFICATIONS

**Finish Colour:** White

**Mounting:** Pendant Mounted, Kit Sold Separately

**Lens Type:** Frosted

**Finish Type:** Painted Steel

**Housing Material:** Steel

**Reflector Material:** Steel with UV Painting

**Wiring:** Rear Access Plate

**Lens Material:** Polycarbonate

**Entries:** Rear and end entries

## SHIPPING INFORMATION

**OrderingCode(s):** HBX10050K-WRV, HBX-PM

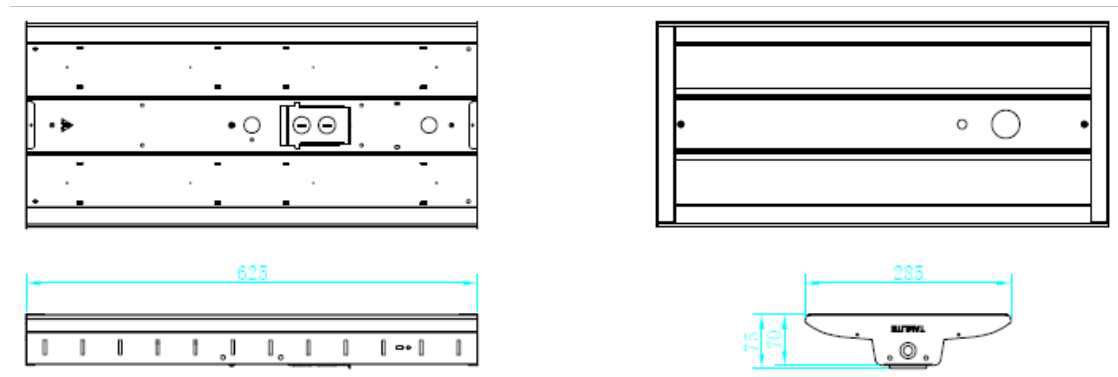
**Box Weight:** 5.5 kg

**Box Quantity:** 1

**Box Dimensions (L-W-H):** 655 x 295 x 85 mm

## LINE DRAWING

### Line Drawings





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SERIES ARCHITECTURE

Series Architecture

HBX - - - - -													
Part	Wattage		CCT		Mounting		Voltage		Finish		Accessories		
HBX	50	50W	30K	3000K	[Blank]	Suspended	UNV	120-277 VAC	WH	White	O	Occupancy Sensor	
	100	100W	40K	4000K	SM	Surface Mount	347	347 VAC			WG	Wire Guard	
	150	150W	50K	5000K	PM	Pendant Mount	WRV	120-347 VAC			SM	Surface Mount Kit	
	200	200W									PM	Pendant Mount Kit	
											C10	10 ft Cabtire Set	
											OC-REM	PIR Programer	

Optional Extras: HBX100-WG, HBX-C10, HBX100-SLQ