

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

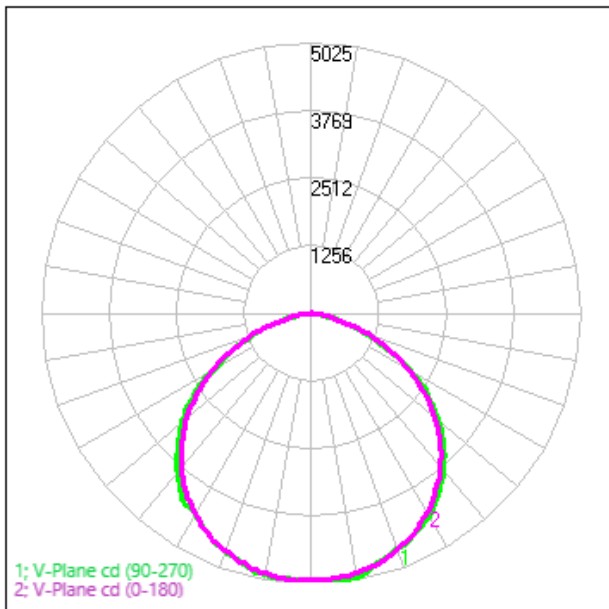
SERIES SPECIFICATIONS

To supply Tamlite HBX series of LED fixtures as specified. The luminaire shall operate at 120-277Vac. 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. The fixture shall be DLC Approved

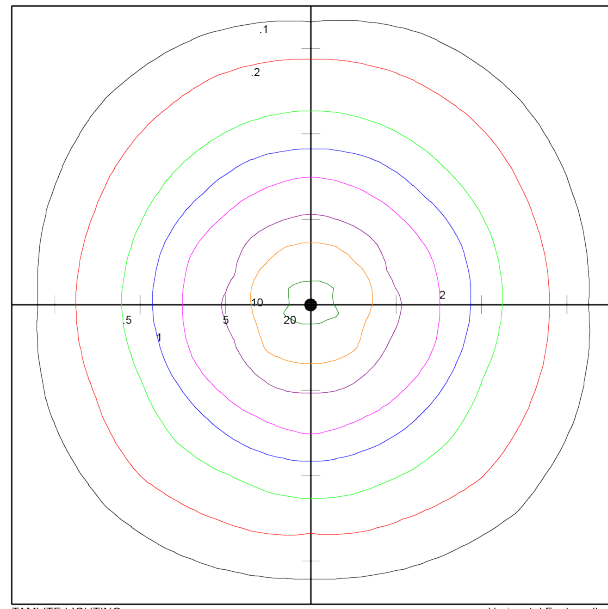


PERFORMANCE SPECIFICATIONS

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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Zonal Lumen Summary

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	0			
RF	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: 13777lm

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: 132.22lm/W

Field Angle: 170 deg

Environmental Rating(s): IP20

Certification Standards: UL Safety US-CA , DLC_5.0

Limited Product Warranty: 5 Year(s)

CBCP: 5024cd

Luminaire Type: Direct

UL Classification: Damp Location Listed

DLC Number: PL3DIFVVTDOM

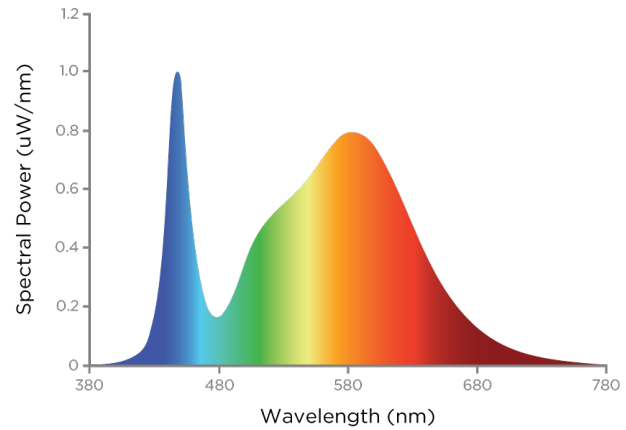
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LED SPECIFICATIONS

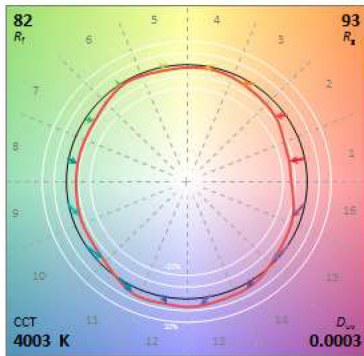
R Tables

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

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.

Driver Part Number: ARC-DI-50I1000-MUV-D1R

Fixture Draw: 104.3W

Inrush Current: 0.25A2S

Driver MTBF: 320,000hrs

Dimming: 1-10Vdc, (10% Min Light Level)

Short Circuit Protection: Auto recovery. The output recovers when short is removed.

Input Voltage: 120~277Vac

Current Draw at 120Vac: 0.8667

Power Factor at 120Vac: >.90

Max Operating Case Temperature: 90C

Dimming Current mA: .5mA draw

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

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-UNV, HBX-PM

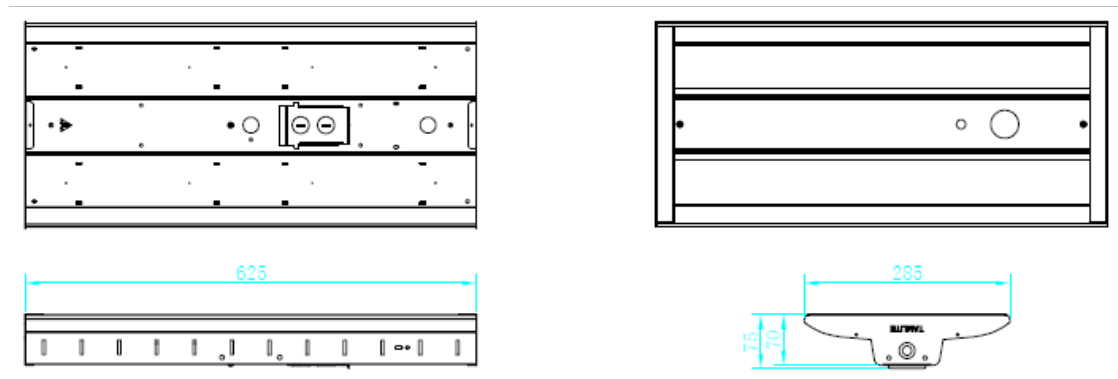
Box Weight: 5.5 kg

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: EM-HBOS, HBX-OC, HBX100-WG, HBX-C10, HBX100-SLQ