

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

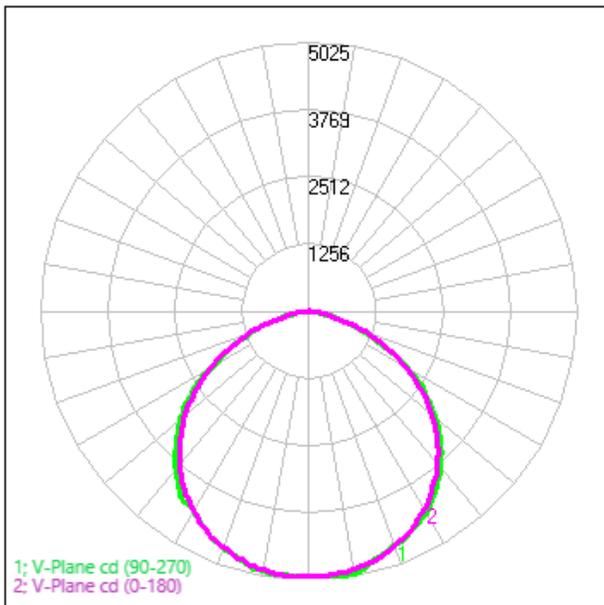
SERIES SPECIFICATIONS

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

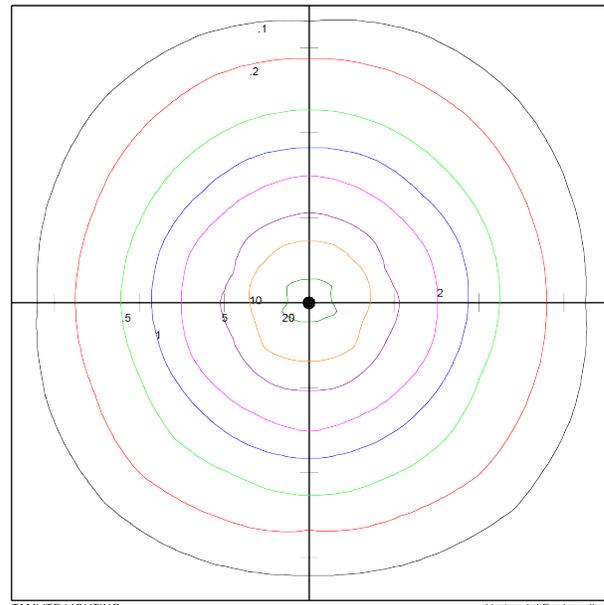


PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Isolux Diagram





| | |
|-------------------------|-------|
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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

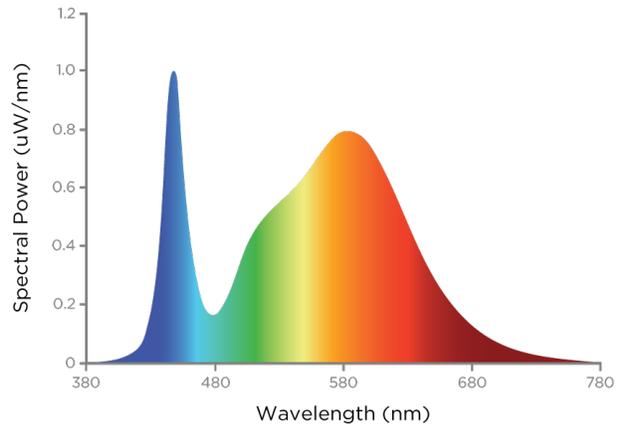
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LED SPECIFICATIONS

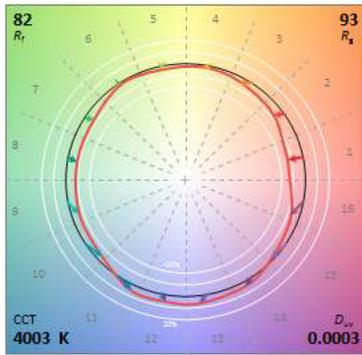
R Tables

| | | | |
|----|----|-----|----|
| 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

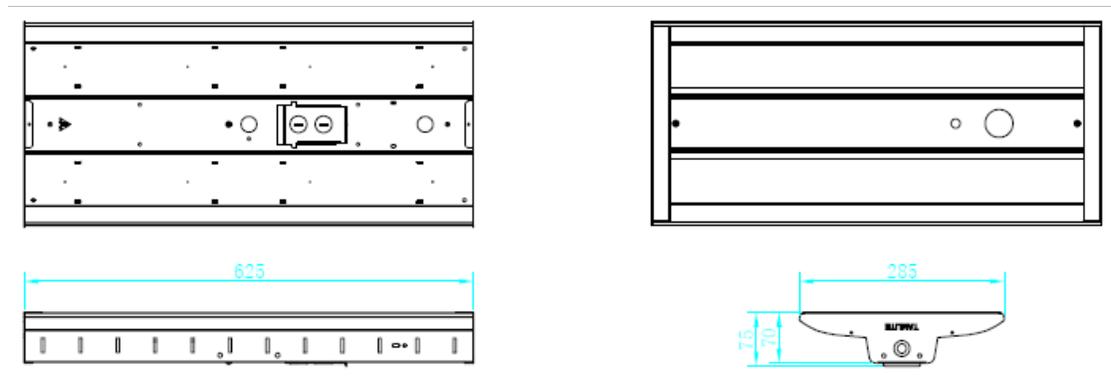
Box Weight: 5.5 kg

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 Programmer |

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