

| Project: | | | | | | | | | | |
|------------------------|-------|--|--|--|--|--|--|--|--|--|
| Location: | | | | | | | | | | |
| Model#: HBX10040K-347V | Туре: | | | | | | | | | |
| Client: | Qty: | | | | | | | | | |
| Prepared by: | Date: | | | | | | | | | |

SERIES SPECIFICATIONS

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







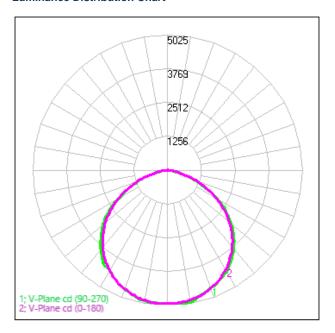




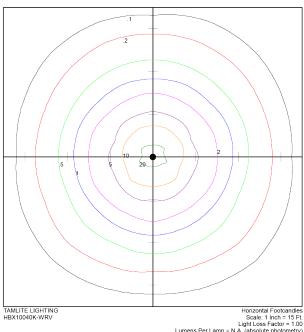


PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Isolux Diagram



Horizontal Footcandles
Scale: 1 Inch = 15 FL
Light Loss Factor = 1,00
Lumens Per Lamp = N A (absolute photomer)
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 | 0 |
| RF | | 2 | 0 | | 20 | | | 20 | | | 20 | | | 20 | | | 20 | |
| 0 119 119 119 119 | | 116 | 116 | 116 | 116 | 111 | 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: Damp Location Listed

DLC Number: PLZQPU6WG5PU



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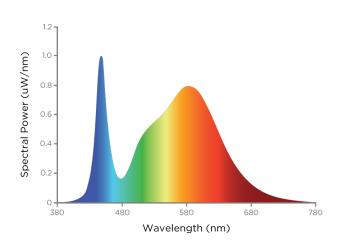
LED SPECIFICATIONS

R Tables

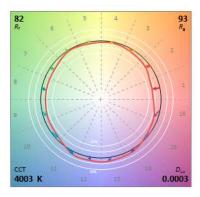
| R1 | 80 |
|----|----|
| R2 | 91 |
| R3 | 95 |
| R4 | 79 |
| R5 | 80 |
| R6 | 86 |
| R7 | 84 |
| R8 | 61 |

| 2 |
|----|
| 77 |
| 77 |
| 60 |
| 83 |
| 98 |
| 74 |
| |
| |

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 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.

Driver Part Number: ARC-DI-50I1000-

MUV-D1R

Fixture Draw: 103.8W 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

Input Voltage: 347Vac

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.

PHYSICAL SPECIFICATIONS

Finish Colour: White

Mounting: Suspended with chain included

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

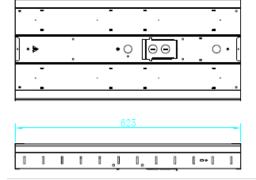
OrderingCode(s): HBX10050K-347V

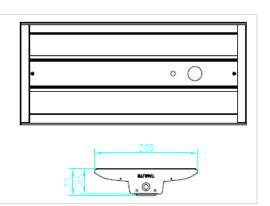
Box Weight: 5.5 kg **Box Quantity: 1 Box Dimensions (L-W-H):** 655 x 295 x 85

mm

LINE DRAWING

Line Drawings







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SERIES ARCHITECTURE

Series Architecture

| _ | HBX - | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------|-----|--------|-----|-------|---------|------------------|-----|-------------|-----|-------|--------|-------------------|-----|--|-----|--|----------|--|--|---------|--------|--|-------------|--|
| | Part | W | attage | ССТ | | ССТ | | CCT | | ССТ | | ССТ | | ССТ | | ССТ | | Mounting | | | Voltage | Finish | | Accessories | |
| | HBX | 50 | 50W | 30K | 3000K | [Blank] | Suspended | UNV | 120-277 VAC | WH | White | 0 | Occupancy Sensor | | | | | | | | | | | | |
| | | 100 | 100W | 40K | 4000K | SM | Surface Mount | 347 | 347 VAC | | | WG | Wire Guard | | | | | | | | | | | | |
| | | 150 | 150W | 50K | 5000K | PM | PM Pendant Mount | | 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, HBX100-WG, HBX-C10, HBX-SM, HBX-PM, HBX100-SLQ