

LUS Series

Ultra Suspended with replaceable light engine

Current's Lumination LED fixtures with TriGain® Technology—**LUS Series Suspended** fixtures are designed to offer lighting designers the efficacy of 80 CRI. With R9>50, these fixtures optimally display objects like produce, fabric, skintones and artwork all - with high LPW, reducing maintenance & operating costs. All fixtures are available with Daintree's complete portfolio of wireless control options. Daintree One & Daintree EZ Connect offer the ability to upgrade disconnected fixtures into a complete enterprise based energy management solution.

CONSTRUCTION

Heatsink: Fully recyclable heatsink

Paint: White, Black, Silver, Red

Weight: <15lb

OPTICAL SYSTEM

Lumens: 4,200–24,000

Distribution: Aisle, Wide, Very Wide, Uplight

Efficacy: 125–165LPW

CCT: 3000K, 3500K, 4000K, 5000K

CRI: 83, 90 TriGain®

Color Consistency: 4 Step MacAdam Ellipse

CONTROLS

Dimming: Standard 0–10VDC, 5%

Controls: High-end trim, occupancy and ambient light detection with dimming available. Wireless Daintree® options available.

DLC 5.1 Integrated/embedded networked lighting control,
LLLC: luminaire-level lighting control (LLLC)

LUMEN MAINTENANCE

L70 @ 100,000 hours

L70

| TYPE | TEMPERATURE RATE |
|-----------------------|------------------|
| OPERATING TEMPERATURE | –10°C to 35°C |
| STORAGE TEMPERATURE | –40°C to +70°C |

ELECTRICAL

Input Voltage: 120–277V, 347V

System Input Power: 30–192W

Wattage Range: 30–171W

Input Frequency: 50/60Hz

Power Factor (PF)*: >0.9*

Total Harmonic Distortion (THD)*: <20%* Except for the following fixture type: [C4][I4] & option [HE] @ 277VAC only.

Transient Protection: 100 kHz Ring Wave, 2.5 kV Level

LED Driver Type:

- Class 1 driver
- 4Ft (4200–6250lm) & 8 FT (8400–12500lm), Class 2, Replaceable, High Efficiency LED Driver Rated for 50,000 hours (When used within operating conditions.)

Output Frequency/Flicker Rate: NEMA 77

* PF and THD may vary with options

MOUNTING & ADDITIONAL FEATURES

- Mounting Options:** Ceiling, Perimeter, Surface, Suspended
- Optional Emergency Battery:** IOTA Engineering ILB-SLHE-10 emergency battery back-up system.

DESIGN LIFE & WARRANTY

- Rated Life:**
 - L70 @ 90,000 hours for Trigain® only
 - L85 @ 75,000 hours
- High Temperature High Humidity:** 60°C /90% (non-condensing)
- Safety:** UL/cUL Listed
- Ratings:** IP20, IK02
- Electronic Vibration Testing:** Multi Axis, Random Vibration Profile: 2-2000 Hz, 5Gs on electronics
- Audible Noise:** Per 29CFR 1910 sub part G: <24 dba (1 foot)
- Current's Limited 5-year Warranty:** Please see website.

LUS Series

Ultra Suspended with replaceable light engine

CUSTOMER NAME

Project Name _____

Date _____ Type _____

Catalog Number _____

Ordering Number Logic

| LUS | | A | | | | | | | | CS | | | |
|---|--------------------------------------|---------------------------------|---|--|---|---|--|--------------------------|---|--|--|--|---|
| FAMILY | FIXTURE TYPE | GENERATION | VOLTAGE | NOMINAL LUMEN | DISTRIBUTION | CRI | CCT | CONTROLS | MOUNTING | FINISH | OPTIONS | | |
| LUS = Lumination Ultra Suspended | C4 ¹ = 4 ft Continuous | A = Replaceable Light Engine | 0 = 120–277 VAC D ² = 347 VAC <i>VQ Only</i> | 4 ft Only | A1 = Aisle (Clear, Ribbed) W1 = Wide (Frosted, Ribbed) V1 ³ = Very Wide (Frosted, Smooth) | T ⁴ = Trigain® 8 = 83 CRI | 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K | VQ = 0–10V | CS = (See accessories page below for further accessory/ mounting options which have to be ordered separately) <i>Mounting brackets come included with each fixture</i> | WHITE = White BLCK = Black SLVR = Silver REDE = Red | BC ⁸ = Branch Circuit EL ⁹ = Emergency Light HE ¹⁰ = High Efficiency Fixture P10 ^{11,14} = 10ft Power Cord P20 ^{11,14} = 20ft Power Cord PCS ¹² = Power cord sample with 120Vac R10 ¹⁵ = RELOC 277V 10ft 3C R15 ¹⁵ = RELOC 277V 15ft 3C S ¹³ = Single Pack <i>Multiple 'OPTIONS' choices must be entered in alphabetic order</i> | | |
| | C8 ¹ = 8 ft Continuous | | | I4 = 4 ft Independent | | | | I8 = 8 ft Independent | | | | 42 = 4200 52 = 5200 62 = 6250 65 = 6500 85 = 8500 A1 = 10500 A2 = 12000 <i>See below tables</i> | 51 ⁵ = On/Off Occ. Sensor S2 ⁵ = 0–10 V, On/Off Occ. & Daylight Harvesting Sensor T1 ^{6,7} = Daintree® One w/ fixture integrated sensor, factory programmed preset TQ ^{6,7} = ZigBee Enabled TS ^{6,7} = ZigBee Enabled with Daintree WFA TT ^{6,7} = Daintree® EZ Connect Wireless w/fixture integrated sensor TZ ^{6,7} = Daintree® Enterprise Wireless w/ fixture integrated sensor |
| | | | | 8 ft Only | | | | | | | | | |
| | | | | 84 = 8400 A0 = 10400 A2 = 12500 A3 = 13000 A7 = 17000 B1 ³ = 21000 B4 ³ = 24000 <i>See below tables</i> | | | | | | | | | |

ORDERING NOTES:

1. Starter kit required (see accessory page below).
2. 347V only available with VQ control. Not available with B4, B1
3. Recommended for retail environment.
4. Trigain® only available with:
 - CCT: [35] [40] only
 - Lumens: 4 Feet [42] [52], 8 Feet [84] [A0]
5. Only for height > 10 ft. Must order programming remote (197634) separately.
6. Only available with:
 - Voltage: [0] only
 - Lumens: 4 Feet [42] [52] [62] [65] [85], 8 Feet [84] [A0] [A3] [A7]

7. 11' mounting height limitation.
8. Only available with 'C4' & 'C8' fixture type.
9. Only available for Lumen code 4ft - [42], [52] & [62], 8ft - [84], [A0] & [A2]. Only available for voltage "0" (120/277). Only available with controls "VQ". Not compatible with option "HE".
10. Up to 165 LPW fixture for CRI = 8 and lumen codes [42, 52, 84, A0]. Only available in voltage [0].
11. White cord for 'WHITE' and black cord for 'BLCK', 'SLVR' or 'REDE' finishes.
12. Only available with 'I4' & 'I8' fixture type. Not compatible with BC & EL.
13. Must be applied for orders of 10pc or less. Single Pack requires for fixture type "I4" or "I8" using the EL Option Code
14. No RELOC, No EMBB
15. Available with Independent fixture and only compatible with 277VAC RELOC installation

| ORDERING INFORMATION: NOMINAL LUMENS | | | | | | |
|--------------------------------------|------------|----------|----------|--------|-------|-----|
| LENGTH | LUMEN CODE | CRI CODE | CCT CODE | LUMENS | POWER | LPW |
| 4 ft Only | 42 | T | 40 | 4200 | 30 | 140 |
| | 52 | T | 40 | 5200 | 37 | 141 |
| 8 ft Only | 84 | T | 40 | 8400 | 58 | 145 |
| | A0 | T | 40 | 10400 | 73 | 142 |

NOTE:

- Reveal® TriGain®
- Lumen Multiplier = 1.00 for CCT = 3500K
- CRI = 90+
- 5 Watt increment for EL option
- 2 watt increment for T1, TT, TZ, TQ, TS option

| HIGH EFFICIENCY (HE) OPTION | | | | | |
|-----------------------------|----------|----------|--------|-------|-----|
| LUMEN CODE | CRI CODE | CCT CODE | LUMENS | POWER | LPW |
| 42 | 8 | 40 | 4200 | 27 | 156 |
| 52 | 8 | 40 | 5200 | 35 | 149 |
| 84 | 8 | 40 | 8400 | 52 | 162 |
| A0 | 8 | 40 | 10400 | 66 | 158 |

NOTE:

- HE option ONLY Lumen multiplier:
 - CCT = 3500K → 0.97
 - CCT = 5000K → 1.02
- Not available in [T] CRI
- Only available for following lumen code: [42] & [52] for 4 ft., [84] & [A0] for 8 ft.

| DISTRIBUTION | % UPLIGHT |
|--------------------------------|-----------|
| A1 | 7% |
| A1 with reflector wings option | 2% |
| W1 (wide) | 13% |
| W1 with reflector wings option | 4% |
| V1 (very wide) | 18% |
| V1 with reflector wings option | 6% |

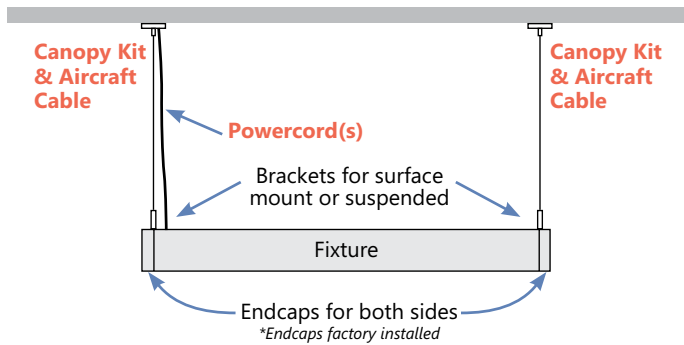
* Sold as accessories and field installed

| LENGTH | LUMEN CODE | CRI CODE | CCT CODE | LUMENS | POWER | LPW |
|--------|------------|----------|----------|--------|-------|-----|
| 4 ft | 42 | 8 | 40 | 4200 | 30 | 140 |
| | 52 | 8 | 40 | 5200 | 37 | 141 |
| | 62 | 8 | 40 | 6250 | 44 | 142 |
| | 65 | 8 | 40 | 6500 | 43 | 151 |
| | 85 | 8 | 40 | 8500 | 57 | 149 |
| | A1 | 8 | 40 | 11000 | 80 | 138 |
| 8 ft | A2 | 8 | 40 | 12000 | 88 | 136 |
| | 84 | 8 | 40 | 8400 | 58 | 145 |
| | A0 | 8 | 40 | 10400 | 73 | 142 |
| | A2 | 8 | 40 | 12500 | 90 | 139 |
| | A3 | 8 | 40 | 13000 | 85 | 153 |
| | A7 | 8 | 40 | 17000 | 113 | 150 |
| | B1 | 8 | 40 | 21000 | 146 | 144 |
| | B4 | 8 | 40 | 24000 | 171 | 140 |

NOTE:

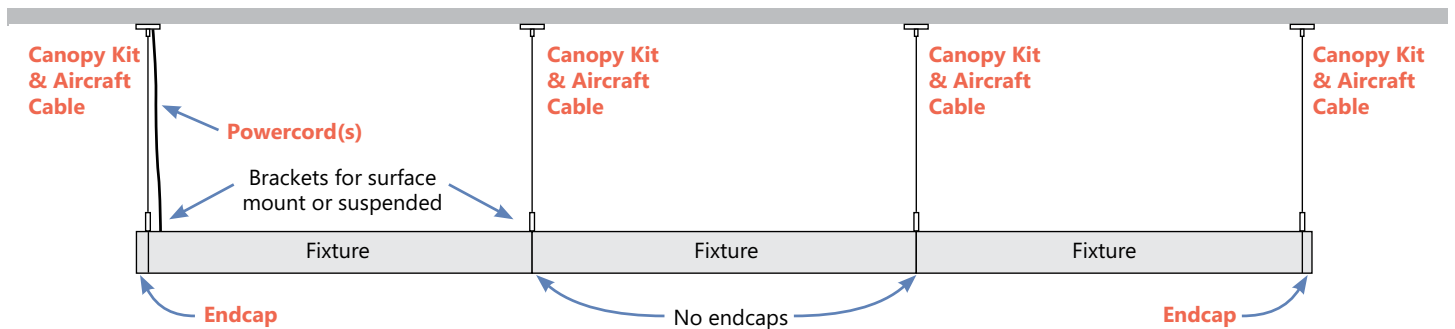
- Lumen Multiplier = 0.97 for CCT = 3500K
- Lumen Multiplier = 1.02 for CCT = 5000K
- CRI = 83
- 5 Watt increment for EL option
- 2 watt increment for T1, TT, TZ, TQ, TS option

INDEPENDENT Factory Installed Starter Kit



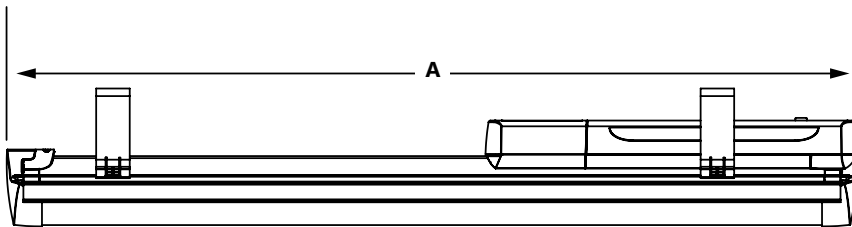
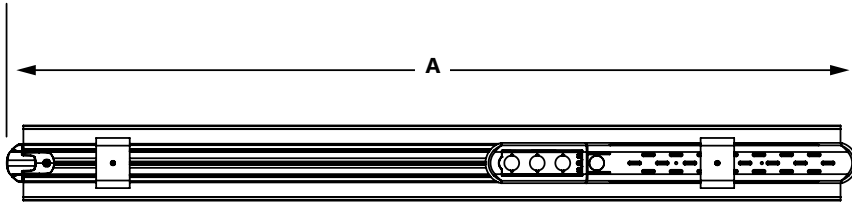
RED indicates items that must be ordered as options or accessories.

CONTINUOUS RUN Field Installed is one Starter Kit per run, ordered separately

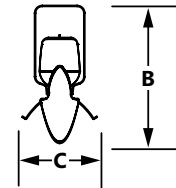


RED indicates items that must be ordered as options or accessories.
The starter, when suspended, is normally the only fixture in the row with (2) suspension hangers.
The rest of the run may be suspended from a single hanger.

PRODUCT DIMENSIONS



| MAXIMUM RUN LENGTH PER 1 POWER DROP | | | | |
|-------------------------------------|----------------|----------------------|----------------------|----------------------|
| Supply Voltage | 8ft Lumen Code | | | |
| | [42][84] | [52][A0] [62][A2] | [65][85] [A3][A7] | [A1][A2] [B1][B4] |
| 120V | 192' | 160' | 80' | 60' |
| 277V or 347V | 400' | 320' | 188' | 132' |



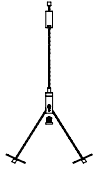



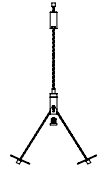
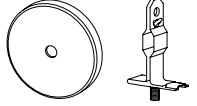
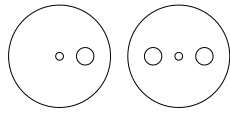
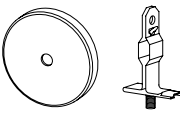
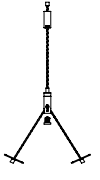
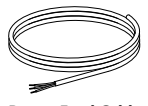



| Standard Fixtures, A | Emergency Light Option A | Integrated Sensors, A | Height, B | Width, C |
|----------------------|--------------------------|-----------------------|-----------|----------|
| 4 ft–49 in | 4 ft–58 in | 4 ft–57 in | 8" | 4.4" |
| 8 ft–97 in | 8 ft–108 in | 8 ft–105 in | | |

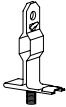
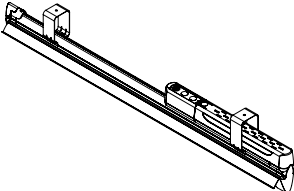
INSTALLATION

- When ordering LUS Series LED Luminaires, 2 mounting brackets are included for each Independent fixture, and 1 bracket is included for each Continuous run fixture.
- Additional mounting brackets can be ordered if needed, depending upon mounting and spacing of application.

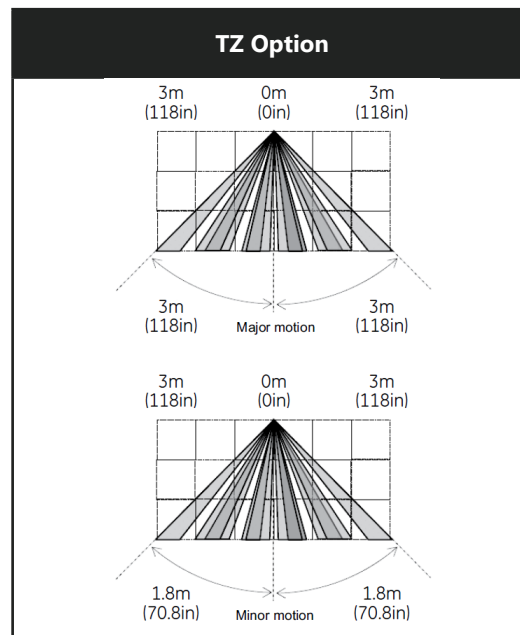
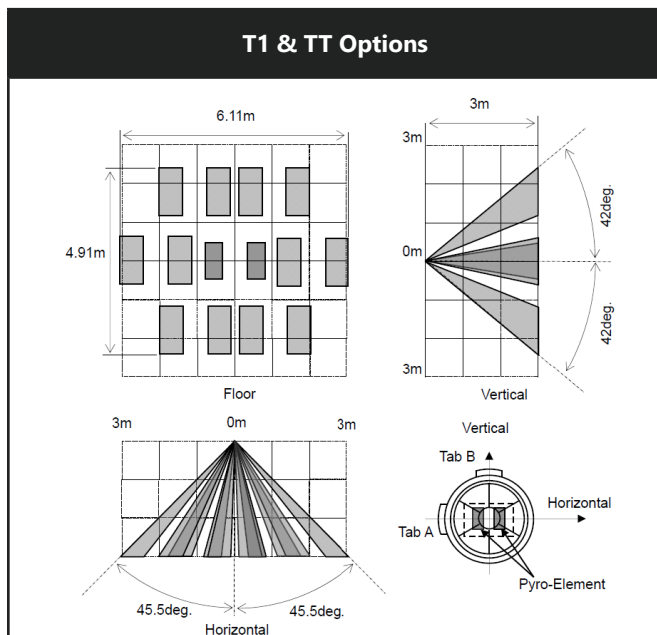
ACCESSORIES

| MOUNTING/ACCESSORY OPTIONS | | PRODUCT CODE |
|---|---|--|
| SAMPLE SKU: LUSI4A042V1T40VQCSWHTESPCS | | 93073940 |
| POWER CORD KIT Options Comes with: • 1x Power Feed Cable • 1x Strain Relief |  <p>Power Feed Cable (4 cond; includes black, white, green and red (for additional circuit))</p>  <p>Dimming Feed Cable (2 cond; includes purple and gray)</p> <p><small>**Power and Dimming Feed Cables are #14 gauge 600V rated</small></p> | 10 FT KIT 93083221: BLK 93083222: WHT 20 FT KIT 93083223: BLK 93083224: WHT |
| SUSPENDED KITS Mounting Open/Unfinished Ceiling Comes with: • 2x Aircraft Cables • 1x Strain Relief |  <p>Mounting Cables</p> | 10 FT KIT 93035285: 10' Kit 20 FT KIT 93116031: 20' Kit |
| SUSPENDED KITS Mounting + Power Open /Unfinished Ceiling Comes with: • 2x Aircraft Cables • 1x Power Feed Cable |  <p>Mounting Cables</p>  <p>Power Feed Cable (4 cond; includes black, white, green and red (for additional circuit))</p>  <p>Dimming Feed Cable (2 cond; includes purple and gray)</p> <p><small>**Power and Dimming Feed Cables are #14 gauge 600V rated</small></p> | 10 FT KIT 93122346: WHT with Dimming 93122348: BLK with Dimming 93115897: WHT No Dimming 93115899: BLK No Dimming 20 FT KIT 93122347: WHT with Dimming 93122349: BLK with Dimming 93115898: WHT No Dimming 93115900: BLK No Dimming |
| SUSPENDED KITS Mounting Finished Ceiling Comes with: • 2x Aircraft Cables • 2x Upper Mounting Kit ◦ 2" canopy Cover ◦ T-Bar Clips |  <p>Mounting Cables</p>  <p>Upper Mounting Kit</p> | 10 FT KIT 93115708: WHT Canopy 93115710: BLK Canopy 20 FT KIT 93115709: WHT Canopy 93115711: BLK Canopy |
| SUSPENDED KITS Mounting + Power Finished Ceiling Comes with: • 2x Aircraft Cables • 1x Power Feed Cable • 1x Canopy Kit ◦ 2 Cord Power Drop Canopy Cover ◦ 1 Cord Power Drop Canopy Cover ◦ Canopy Cover Strain relief (2x) ◦ Canopy Cover Hardware kit • 2x Upper Mounting Kit ◦ 2" canopy Cover ◦ T-Bar Clips |  <p>Canopy Kit</p>  <p>Upper Mounting Kit</p>  <p>Mounting Cables</p>  <p>Power Feed Cable (4 cond; includes black, white, green and red (for additional circuit))</p>  <p>Dimming Feed Cable (2 cond; includes purple and gray)</p> <p><small>**Power and Dimming Feed Cables are #14 gauge 600V rated</small></p> | 10 FT KIT 93122350: WHT with Dimming 93122352: BLK with Dimming 93115847: WHT No Dimming 93115849: BLK No Dimming 20 FT KIT 93122351: WHT with Dimming 93122353: BLK with Dimming 93115848: WHT No Dimming 93115850: BLK No Dimming |

ADDITIONAL ACCESSORIES

| MOUNTING/ACCESSORY OPTIONS | | PRODUCT CODE |
|---|---|--|
| SUSPENDED KITS Direct Mounting Open/Unfinished Ceiling Comes with: • 2x T-Grip Clips + Bolts |  <p>T-Grid Clip + Bolt</p> | T-GRID CLIP + BOLT 93126294 |
| Starter Kit (1 row) Comes with: • 2x Endcaps • 1x Starter Harness • 1x Knock-out Plate • 1x Additional Suspension Bracket | | END CAPS COLORS 93046694: WHT End Caps 93046700: SLV End Caps 93046697: BLK End Caps 93046703: RED End Caps |
| Starter Kit (10 rows) Comes with: • 20x Endcaps • 10x Starter Harness • 10x Knock-out Plate • 10x Additional Suspension Bracket | | END CAPS COLORS 93046696: WHT End Caps 93046702: SLV End Caps 93046699: BLK End Caps 93046705: RED End Caps |
| Reflector Wings |  <p>Wings accommodate both sides of the fixtures</p> | 4 FT KIT 93046683: Wing pack of 1 93046685: Wing pack of 10 8 FT KIT 93046680: Wing pack of 1 93046682: Wing pack of 10 |

SENSOR COVERAGE PATTERN



LUSI8 SERIES

LUS-X8-A-X-84-A1-T-40-VQ-XX-WHITE

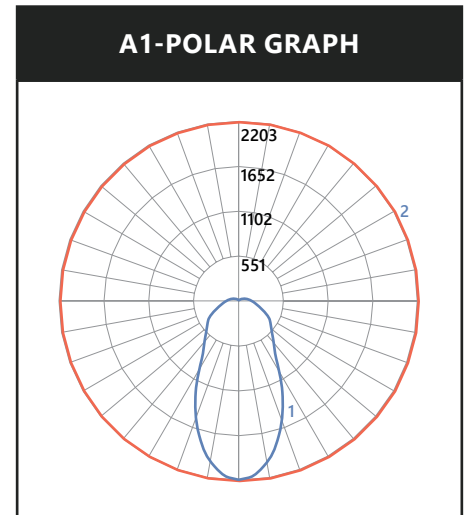
| ZONAL LUMEN SUMMARY | |
|---------------------|--------|
| Zone | Lumens |
| 0-10 | 204.81 |
| 10-20 | 548.60 |
| 20-30 | 713.08 |
| 30-40 | 672.58 |
| 40-50 | 554.13 |
| 50-60 | 433.62 |
| 60-70 | 335.33 |
| 70-80 | 251.01 |
| 80-90 | 178.70 |
| 90-100 | 119.10 |
| 100-110 | 79.61 |
| 110-120 | 53.98 |
| 120-130 | 33.22 |
| 130-140 | 16.41 |
| 140-150 | 5.99 |
| 150-160 | 1.51 |
| 160-170 | 0.28 |
| 170-180 | 0.05 |

| COEFFICIENTS 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% | | | |
| 0 | 117 | 117 | 117 | 117 | 114 | 114 | 114 | 114 | 107 | 107 | 107 | 101 | 101 | 101 | 95 | 95 | 95 | 93 | | | |
| 1 | 107 | 102 | 98 | 94 | 103 | 99 | 95 | 92 | 94 | 90 | 88 | 88 | 86 | 84 | 82 | 80 | 89 | 77 | | | |
| 2 | 98 | 90 | 84 | 78 | 95 | 88 | 82 | 77 | 83 | 78 | 74 | 79 | 75 | 71 | 75 | 71 | 68 | 66 | | | |
| 3 | 90 | 80 | 73 | 67 | 87 | 78 | 71 | 66 | 74 | 68 | 64 | 71 | 66 | 62 | 67 | 63 | 60 | 57 | | | |
| 4 | 84 | 72 | 64 | 58 | 81 | 71 | 63 | 57 | 67 | 61 | 56 | 64 | 59 | 54 | 61 | 56 | 53 | 50 | | | |
| 5 | 77 | 66 | 57 | 51 | 75 | 64 | 56 | 50 | 61 | 54 | 49 | 58 | 53 | 48 | 56 | 51 | 47 | 45 | | | |
| 6 | 72 | 60 | 51 | 45 | 70 | 58 | 51 | 45 | 56 | 49 | 44 | 54 | 48 | 43 | 51 | 46 | 42 | 40 | | | |
| 7 | 67 | 55 | 47 | 41 | 65 | 54 | 46 | 41 | 52 | 45 | 40 | 49 | 43 | 39 | 48 | 42 | 38 | 36 | | | |
| 8 | 63 | 51 | 43 | 37 | 61 | 50 | 42 | 37 | 48 | 41 | 36 | 46 | 40 | 36 | 44 | 39 | 35 | 33 | | | |
| 9 | 59 | 47 | 39 | 34 | 58 | 46 | 39 | 34 | 44 | 38 | 33 | 43 | 37 | 33 | 41 | 36 | 32 | 30 | | | |
| 10 | 56 | 44 | 36 | 31 | 54 | 43 | 36 | 31 | 41 | 35 | 31 | 40 | 34 | 30 | 39 | 33 | 30 | 28 | | | |

| ZONAL LUMEN SUMMARY | | | |
|---------------------|---------|-----------|--------------|
| Zone | Lumens | % of Lamp | % of Fixture |
| 0-30 | 1466.48 | N.A. | 34.9 |
| 0-40 | 2139.06 | | 50.9 |
| 0-60 | 3126.81 | | 74.4 |
| 0-90 | 3891.84 | | 92.6 |
| 90-120 | 252.68 | | 6.0 |
| 90-130 | 285.9 | | 6.8 |
| 90-150 | 308.29 | | 7.3 |
| 90-180 | 310.13 | | 7.4 |
| 0-180 | 4201.98 | | 100 |

NOTE: Floor Cavity Reflectance: 20%

| CANDLEPOWER SUMMARY | | | |
|---------------------|-------|------|------|
| Angle | 0° | 45° | 90° |
| 45° | 12534 | 7455 | 6798 |
| 55° | 5703 | 4605 | 4872 |
| 65° | 2005 | 3471 | 3474 |
| 75° | 494 | 2818 | 2327 |
| 85° | 83 | 2101 | 1547 |



LUS-X8-A-X-84-W1-T-40-VQ-XX-WHITE

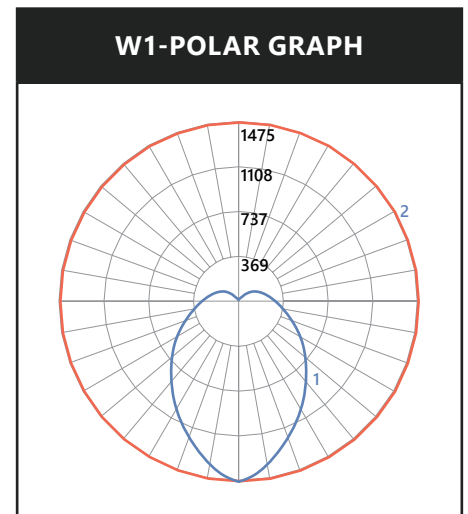
| ZONAL LUMEN SUMMARY | |
|---------------------|--------|
| Zone | Lumens |
| 0-10 | 136.28 |
| 10-20 | 369.66 |
| 20-30 | 523.74 |
| 30-40 | 584.29 |
| 40-50 | 562.97 |
| 50-60 | 494.59 |
| 60-70 | 409.82 |
| 70-80 | 326.15 |
| 80-90 | 252.39 |
| 90-100 | 192.64 |
| 100-110 | 142.74 |
| 110-120 | 96.04 |
| 120-130 | 59.04 |
| 130-140 | 32.13 |
| 140-150 | 13.59 |
| 150-160 | 4.2 |
| 160-170 | 1.01 |
| 170-180 | 0.2 |

| COEFFICIENTS 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% | | |
| 0 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 104 | 104 | 104 | 97 | 97 | 97 | 90 | 90 | 90 | 87 | | |
| 1 | 104 | 99 | 94 | 89 | 100 | 95 | 91 | 87 | 88 | 85 | 82 | 82 | 79 | 77 | 77 | 74 | 72 | 69 | | |
| 2 | 94 | 86 | 78 | 72 | 91 | 83 | 76 | 70 | 77 | 72 | 67 | 72 | 67 | 63 | 67 | 63 | 60 | 57 | | |
| 3 | 86 | 75 | 67 | 60 | 82 | 73 | 65 | 59 | 68 | 61 | 56 | 63 | 58 | 53 | 59 | 55 | 51 | 48 | | |
| 4 | 79 | 67 | 58 | 51 | 76 | 65 | 56 | 50 | 60 | 53 | 48 | 57 | 51 | 46 | 53 | 48 | 44 | 41 | | |
| 5 | 73 | 60 | 51 | 44 | 70 | 58 | 50 | 43 | 54 | 47 | 42 | 51 | 44 | 40 | 48 | 43 | 38 | 36 | | |
| 6 | 67 | 54 | 45 | 39 | 64 | 52 | 44 | 38 | 49 | 42 | 37 | 46 | 40 | 35 | 44 | 38 | 34 | 32 | | |
| 7 | 62 | 49 | 40 | 34 | 60 | 48 | 39 | 34 | 45 | 38 | 33 | 42 | 36 | 31 | 40 | 35 | 30 | 28 | | |
| 8 | 58 | 45 | 36 | 31 | 56 | 44 | 36 | 30 | 41 | 34 | 29 | 39 | 33 | 28 | 37 | 31 | 27 | 25 | | |
| 9 | 54 | 41 | 33 | 28 | 52 | 40 | 32 | 27 | 38 | 31 | 26 | 36 | 30 | 26 | 34 | 29 | 25 | 23 | | |
| 10 | 51 | 38 | 30 | 25 | 49 | 37 | 30 | 25 | 35 | 29 | 24 | 34 | 28 | 23 | 32 | 27 | 23 | 21 | | |

| ZONAL LUMEN SUMMARY | | | |
|---------------------|---------|-----------|--------------|
| Zone | Lumens | % of Lamp | % of Fixture |
| 0-30 | 1029.68 | N.A. | 24.5 |
| 0-40 | 1613.98 | | 38.4 |
| 0-60 | 2671.53 | | 63.6 |
| 0-90 | 3659.88 | | 87.1 |
| 90-120 | 431.42 | | 10.3 |
| 90-130 | 490.46 | | 11.7 |
| 90-150 | 536.18 | | 12.8 |
| 90-180 | 541.59 | | 12.9 |
| 0-180 | 4201.47 | | 100 |

NOTE: Floor Cavity Reflectance: 20%

| CANDLEPOWER SUMMARY | | | |
|---------------------|------|------|------|
| Angle | 0° | 45° | 90° |
| 45° | 9423 | 6110 | 5918 |
| 55° | 6789 | 5017 | 4955 |
| 65° | 4263 | 4236 | 4201 |
| 75° | 2412 | 3777 | 3566 |
| 85° | 705 | 3493 | 3181 |



LUSI8 SERIES

LUS-X8-A-X-84-A1-T-40-VQ-XX-WHITE

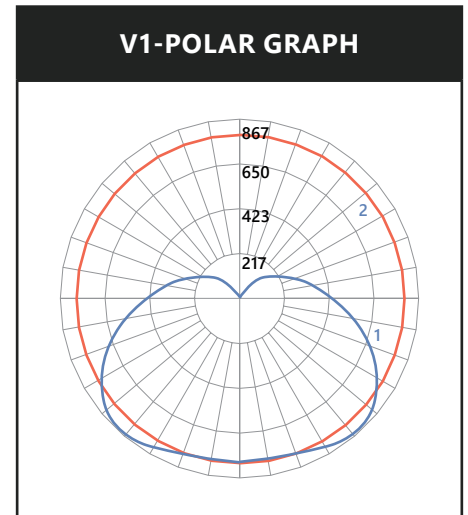
| ZONAL LUMEN SUMMARY | |
|---------------------|--------|
| Zone | Lumens |
| 0-10 | 75.88 |
| 10-20 | 220.01 |
| 20-30 | 345.05 |
| 30-40 | 446.03 |
| 40-50 | 511.44 |
| 50-60 | 530.14 |
| 60-70 | 501.80 |
| 70-80 | 437.37 |
| 80-90 | 355.99 |
| 90-100 | 274.84 |
| 100-110 | 201.58 |
| 110-120 | 138.56 |
| 120-130 | 86.85 |
| 130-140 | 47.22 |
| 140-150 | 20.07 |
| 150-160 | 5.91 |
| 160-170 | 1.36 |
| 170-180 | .25 |

| COEFFICIENTS 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% | | | |
| 0 | 115 | 115 | 115 | 115 | 110 | 110 | 110 | 110 | 101 | 101 | 101 | 93 | 93 | 93 | 85 | 85 | 85 | 82 | | | |
| 1 | 101 | 95 | 89 | 84 | 96 | 90 | 85 | 81 | 83 | 79 | 75 | 76 | 72 | 69 | 69 | 66 | 64 | 60 | | | |
| 2 | 90 | 80 | 72 | 65 | 86 | 77 | 69 | 63 | 70 | 64 | 59 | 64 | 59 | 55 | 58 | 54 | 51 | 47 | | | |
| 3 | 81 | 69 | 60 | 53 | 77 | 66 | 58 | 51 | 61 | 54 | 48 | 55 | 50 | 45 | 50 | 46 | 42 | 38 | | | |
| 4 | 74 | 61 | 51 | 44 | 70 | 58 | 49 | 42 | 53 | 46 | 40 | 49 | 42 | 37 | 44 | 39 | 35 | 32 | | | |
| 5 | 68 | 54 | 44 | 37 | 64 | 51 | 43 | 36 | 47 | 40 | 34 | 43 | 37 | 32 | 40 | 34 | 30 | 27 | | | |
| 6 | 62 | 48 | 38 | 32 | 59 | 46 | 37 | 31 | 42 | 35 | 29 | 39 | 32 | 27 | 36 | 30 | 26 | 23 | | | |
| 7 | 57 | 43 | 34 | 28 | 55 | 42 | 33 | 27 | 38 | 31 | 25 | 35 | 29 | 24 | 32 | 27 | 22 | 20 | | | |
| 8 | 53 | 39 | 30 | 24 | 51 | 38 | 29 | 24 | 35 | 28 | 22 | 32 | 26 | 21 | 30 | 24 | 20 | 18 | | | |
| 9 | 50 | 36 | 27 | 22 | 47 | 34 | 26 | 21 | 32 | 25 | 20 | 30 | 23 | 19 | 27 | 22 | 18 | 16 | | | |
| 10 | 46 | 33 | 25 | 19 | 44 | 32 | 24 | 19 | 29 | 23 | 18 | 27 | 21 | 17 | 25 | 20 | 16 | 14 | | | |

| ZONAL LUMEN SUMMARY | | | |
|---------------------|---------|-----------|--------------|
| Zone | Lumens | % of Lamp | % of Fixture |
| 0-30 | 640.95 | N.A. | 15.3 |
| 0-40 | 1086.98 | | 25.9 |
| 0-60 | 2128.56 | | 50.7 |
| 0-90 | 3423.72 | | 81.5 |
| 90-120 | 614.98 | | 14.6 |
| 90-130 | 701.83 | | 16.7 |
| 90-150 | 769.12 | | 18.3 |
| 90-180 | 776.64 | | 18.5 |
| 0-180 | 4200.36 | | 100 |

NOTE: Floor Cavity Reflectance: 20%

| CANDLEPOWER SUMMARY | | | |
|---------------------|------|------|------|
| Angle | 0° | 45° | 90° |
| 45° | 6030 | 5726 | 6556 |
| 55° | 5186 | 5444 | 6314 |
| 65° | 2833 | 4832 | 5910 |
| 75° | 2833 | 4832 | 5432 |
| 85° | 1188 | 4624 | 5018 |



EMERGENCY BATTERY OPTION

- Luminaires with the "EL" option code come equipped with an IOTA Engineering ILB-SLHE-10 emergency battery back-up system to provide egress lighting during power interruptions.
- To calculate delivered lumens for an EL equipped luminaire use the following formula:

Emergency Mode Lumens = P x LPW

"P" is the output power of the emergency system (10W for "EL")

"LPW" is the efficacy of the system as determined from the performance data

- For more information refer to: www.iotaengineering.com/ILB/ILBCPManual.pdf
- For more information and access to all of our resources, including our design tool visit: LED.com