

| Project: | | | | | | | | | |
|--------------------------|-------|--|--|--|--|--|--|--|--|
| Location: | | | | | | | | | |
| Model#: EUD61430K-120-WH | Туре: | | | | | | | | |
| Client: | Qty: | | | | | | | | |
| Prepared by: | Date: | | | | | | | | |

SERIES SPECIFICATIONS



To supply Tamlite EUD series of LED fixtures as specified. The luminaire shall operate at 120Vac and use a TRIAC dimmable, constant current type Integral driver. The housing shall be constructed of die cast Aluminium finished with a textured powder coat over a chromate conversion coat. All hardware to be stainless steel. Wiring compartment to be Integral with hinged wiring cover. Optics to be constructed of Acrylic and be sealed via captive gasket. Rated for insulated ceiling and Air Tight (ASTM-E283) applications. Connecting cable shall be FT1 plenum rated. Fixture shall be cULus and Energy Star approved.









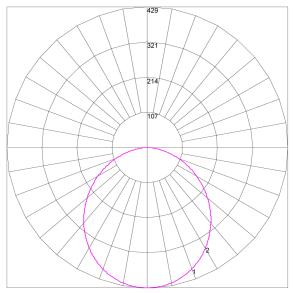






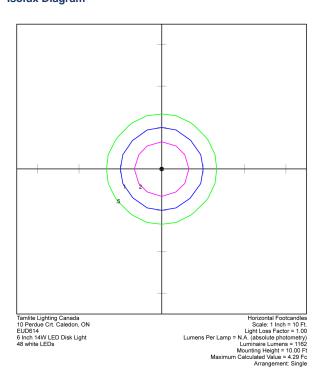
PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Maximum Candela = 428.5 Located At Horizontal Angle = 0, Vertical Angle = 0 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

Isolux Diagram





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Zonal Lumen Summary

| ZONE | LUMENS | ZONE | LUMENS | ZONE | LUMENS | ZONE | LUMENS | ZONE | LUMENS |
|-------|--------|-------|--------|---------|--------|---------|--------|---------|--------|
| 0-10 | 40.54 | 40-50 | 209.24 | 80-90 | 18.91 | 120-130 | 0.00 | 160-170 | 0.00 |
| 10-20 | 115.65 | 50-60 | 184.63 | 90-100 | 0.01 | 130-140 | 0.00 | 170-180 | 0.00 |
| 20-30 | 173.55 | 60-70 | 137.68 | 100-110 | 0.00 | 140-150 | 0.00 | | |
| 30-40 | 205.87 | 70-80 | 75.79 | 110-120 | 0.00 | 150-160 | 0.00 | | |

Co-efficient of Utilization

| СС | | 8 | 0 | | | 7 | 0 | | | 50 | 50 30 | | | | 10 | | | 0 |
|------|---------|-----|-----|-----|-----|-------|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|
| WALL | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| fc | 20 20 2 | | | | 20 | 20 20 | | | | | 20 | | | | | | | |
| RCR | CR | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 109 | 104 | 100 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 92 | 94 | 91 | 89 | 90 | 88 | 86 | 84 |
| 2 | 99 | 91 | 84 | 79 | 97 | 89 | 83 | 78 | 86 | 80 | 76 | 82 | 78 | 74 | 79 | 76 | 72 | 70 |
| 3 | 90 | 80 | 72 | 66 | 88 | 78 | 71 | 65 | 75 | 69 | 64 | 73 | 67 | 63 | 70 | 66 | 62 | 59 |
| 4 | 83 | 71 | 62 | 56 | 81 | 70 | 62 | 55 | 67 | 60 | 54 | 65 | 59 | 54 | 63 | 57 | 53 | 51 |
| 5 | 76 | 63 | 55 | 48 | 74 | 62 | 54 | 48 | 60 | 53 | 47 | 58 | 52 | 47 | 56 | 51 | 46 | 44 |
| 6 | 70 | 57 | 48 | 42 | 69 | 56 | 48 | 42 | 54 | 47 | 41 | 53 | 46 | 41 | 51 | 45 | 41 | 39 |
| 7 | 65 | 52 | 43 | 37 | 64 | 51 | 43 | 37 | 50 | 42 | 37 | 48 | 41 | 36 | 47 | 41 | 36 | 34 |
| 8 | 61 | 47 | 39 | 33 | 59 | 47 | 39 | 33 | 45 | 38 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 30 |
| 9 | 57 | 44 | 35 | 30 | 55 | 43 | 35 | 30 | 42 | 35 | 30 | 41 | 34 | 29 | 40 | 34 | 29 | 27 |
| 10 | 53 | 40 | 32 | 27 | 52 | 40 | 32 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 37 | 31 | 27 | 25 |

Initial Lumen Output: 1162lm Beam Angle: 110 deg

Spacing Criteria: 1.24(0-180), 1.24(90-

270)

Ambient Operating Temp: -20C to +40C **Limited Product Warranty:** 5 Year(s) Efficacy: 85lm/W Field Angle: 160 deg

Environmental Rating(s): IC Rated, Air

Tight ASTM E283

Certification Standards: cETLus, Energy Star, Air Tight (ASTM-E283), CAN ICES-

005(B) NMB-005(B)

CBCP: 428.5cd Luminaire Type: Direct

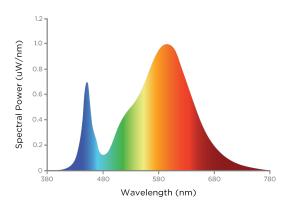
UL Classification: Wet Location Listed **CCN Number:** IFAO7.E470484



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LED SPECIFICATIONS

SPD



Source Type: LED **L90:** 25,000 Hrs. **Duv:** 0.000995

CRI: >80

Colour Temperature: 3000K

L70: 40000 Hrs.

Chromaticity: x=0.4538 y=0.4065

ELECTRICAL SPECIFICATIONS

Input Voltage: 120Vac

Current Draw at 120Vac: 0.1167A Power Factor at 120Vac: > 0.90 Dimming Current mA: .5mA draw Input Frequency: 50/60 hz Current Draw at 347Vac:

Max Operating Case Temperature: 40C Over Temperature Protection: Auto Recovery. Returning to normal after over

temperature is removed.

Fixture Draw: 13.5W Max On-Delay: < 0.75 S

Dimming: TRIAC (1-10Vdc, 10% Min Light

Level)

Short Circuit Protection: Auto Recovery. The output shall return to normal when the

fault condition is removed.

PHYSICAL SPECIFICATIONS

Finish Colour: White Mounting: Recessed Finish Type: Powder Coated

Housing Material: Die-cast Aluminium

Wiring: Internal junction box for through circuit wiring. Connecting cable shall be

FT1 plenum rated.

Lens Material: UV Stabilized Acrylic



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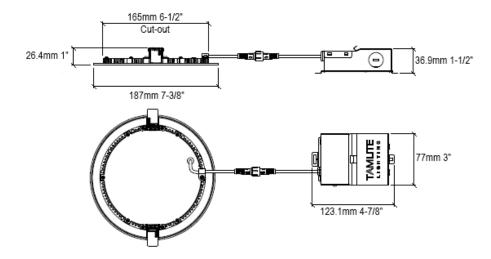
SHIPPING INFORMATION

OrderingCode(s): EUD61430K-120-WH

Box Quantity: 6

LINE DRAWING

Line Drawings



SERIES ARCHITECTURE

Series Architecture

| EUD - | _ | | | | | | | - | | - | | | |
|-------|---|--------|----|--------|-----|---------------------|---------|-----------------|--------|--------|---------|-----------------------------------|--|
| Part | S | ize | Wa | ittage | CCT | | Voltage | | Finish | | Options | | |
| EUD | 4 | 4 inch | 7 | 7w | 30K | 3000K | 120 | 120VAC | WH | White | EUD4-BK | Black Attachable faceplate | |
| | 6 | 6 inch | 14 | 14w | 40K | 4000K | | *Triac Dimmable | CC | Custom | EUD4-SN | Satin Nickel Attachable faceplate | |
| | | | | | 50K | 5000K | | | | | EUD6-BK | Black Attachable faceplate | |
| | | | | | SW | Selectable White | | | | | EUD6-SN | Satin Nickel Attachable faceplate | |
| | | | | | | 27K,30K,35K,40K,50K | | | | | GR4-WH | Goof ring for EUD-4 | |
| | | | | | | | | | | | GR6-WH | Goof ring for EUD-6 | |

Optional Extras: DL3000, RIP46, RIP6L, EUD6-BK, EUD6_SN, LY-VB, GR6-WH