

| | Project: | | | | | | |
|--|----------------------|-------|--|--|--|--|--|
| | Location: | | | | | | |
| | Model#: CLY4-5CS-ECO | Туре: | | | | | |
| | Client: | Qty: | | | | | |
| | Prepared by: | Date: | | | | | |

SERIES SPECIFICATIONS



To supply Tamlite CLY4-ECO 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 with a plastic trim. 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 (direct Contact) and Air Tight (ASTM-E283) applications. Connecting cable shall be FT1 plenum rated. Fixture shall be cETLus to both US & CA standards and Energy Star approved.











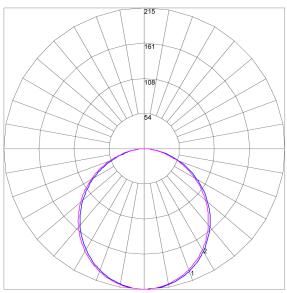






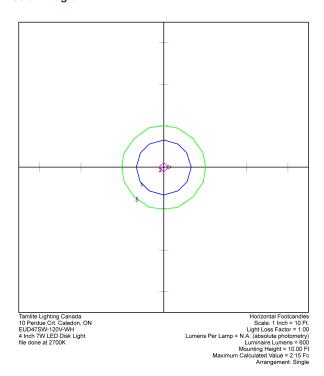
PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Maximum Candela = 215.002 Located At Horizontal Angle = 315, Vertical Angle = 1 # 1 - Vertical Plane Through Horizontal Angles (315 - 135) (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 | 20.32 | 40-50 | 107.86 | 80-90 | 10.92 | 120-130 | 0.08 | 160-170 | 0.07 |
| 10-20 | 58.04 | 50-60 | 96.57 | 90-100 | 0.04 | 130-140 | 0.10 | 170-180 | 0.03 |
| 20-30 | 87.51 | 60-70 | 72.65 | 100-110 | 0.05 | 140-150 | 0.11 | | |
| 30-40 | 104.79 | 70-80 | 40.89 | 110-120 | 0.07 | 150-160 | 0.11 | | |

Co-efficient of Utilization

| СС | 80 | | | 70 | | | 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 | | | 20 | | | 20 | | | 20 | | 0 | | | |
| RCR | RCR | | | | | | | | | | | | | | | | | |
| 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 | 94 | 97 | 94 | 91 | 94 | 91 | 88 | 90 | 88 | 86 | 84 |
| 2 | 99 | 91 | 84 | 78 | 96 | 89 | 82 | 77 | 85 | 80 | 75 | 82 | 77 | 74 | 79 | 75 | 72 | 70 |
| 3 | 90 | 80 | 71 | 65 | 88 | 78 | 70 | 64 | 75 | 69 | 63 | 72 | 67 | 62 | 70 | 65 | 61 | 59 |
| 4 | 83 | 71 | 62 | 55 | 80 | 69 | 61 | 55 | 67 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 52 | 50 |
| 5 | 76 | 63 | 54 | 47 | 74 | 62 | 53 | 47 | 60 | 52 | 47 | 58 | 51 | 46 | 56 | 50 | 46 | 43 |
| 6 | 70 | 57 | 48 | 41 | 68 | 56 | 47 | 41 | 54 | 46 | 41 | 52 | 46 | 40 | 51 | 45 | 40 | 38 |
| 7 | 65 | 51 | 43 | 37 | 63 | 51 | 42 | 36 | 49 | 42 | 36 | 48 | 41 | 36 | 46 | 40 | 36 | 34 |
| 8 | 61 | 47 | 38 | 33 | 59 | 46 | 38 | 32 | 45 | 38 | 32 | 44 | 37 | 32 | 42 | 36 | 32 | 30 |
| 9 | 57 | 43 | 35 | 29 | 55 | 42 | 35 | 29 | 41 | 34 | 29 | 40 | 34 | 29 | 39 | 33 | 29 | 27 |
| 10 | 53 | 40 | 32 | 27 | 52 | 39 | 32 | 26 | 38 | 31 | 26 | 37 | 31 | 26 | 36 | 30 | 26 | 24 |

Initial Lumen Output: 655 lm 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: 77 lm/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: 215 CD Luminaire Type: Direct

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

LED SPECIFICATIONS

Source Type: LED L90: 25000 **CRI:** >80 **Colour Temperature:** 2700K, 3000K, 3500K, 4000K, 5000K Field Selectable

L70: >44,000 Hrs **Duv:** 0.000995



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ELECTRICAL SPECIFICATIONS

Input Voltage: 120Vac

Max On-Delay: 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.

Input Frequency: 50/60 Hz
Power Factor at 120Vac: > 0.95

Dimming Current mA: .5mA draw

Fixture Draw: 7.39 W

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

temperature 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

SHIPPING INFORMATION

OrderingCode(s): CLY4-5CS-ECO

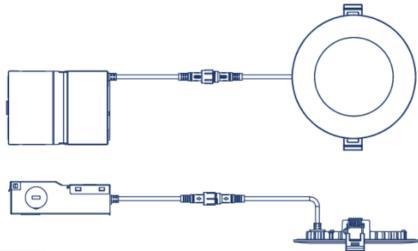
Box Quantity: 1



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LINE DRAWING

Line Drawings



| Wafer Dimensions CLY4-ECO | | | | | | |
|---------------------------|-----------------|--|--|--|--|--|
| Α | 0.500" | | | | | |
| A1 | | | | | | |
| В | 5.0" | | | | | |
| Driver Dimensions | | | | | | |
| С | 1.375" | | | | | |
| D | 4.125" | | | | | |
| E | 3.0" | | | | | |
| Ceiling Opening DIA. | 4-1/4" (4.250") | | | | | |