

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

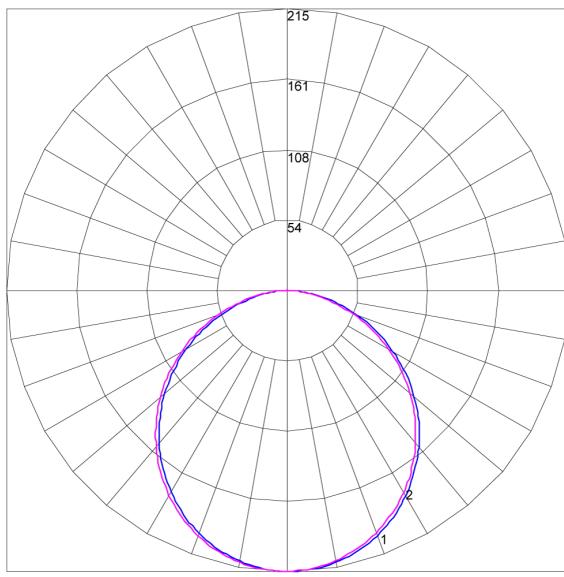
SERIES SPECIFICATIONS



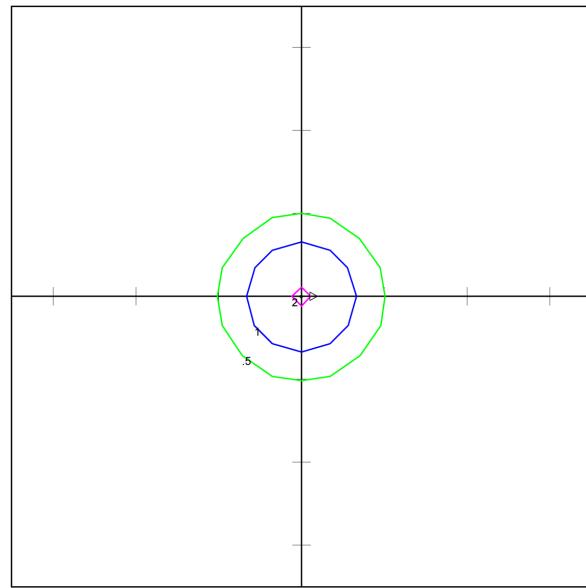
To supply Tamlite CLY4-ECO series of LED fixtures as specified. The luminaire shall operate at 120Vac and use a TRIAC dimmable, constant current type Integral driver. The housing shall be constructed of die cast Aluminium finished with a textured powder coat over a chromate conversion coat with a plastic 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

Tamlite Lighting Canada
 10 Perdue Cr. Caledon, ON
 EUD47SW-120V-WH
 4 Inch 7W LED Disk Light
 file done at 2700K

Horizontal Footcandles
 Scale: 1 Inch = 10 Ft.
 Light Loss Factor = 1.00
 Lumens Per Lamp = N.A. (absolute photometry)
 Luminaire Lumens = 600
 Mounting Height = 10.00 Ft
 Maximum Calculated Value = 2.15 Fc
 Arrangement: Single

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

CC	80				70				50				30				10				0
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
fc	20				20				20				20				20				0
RCR																					100
0	119	119	119	119	116	116	116	116	111	111	111	106	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

ELECTRICAL SPECIFICATIONS

Input Voltage: 120Vac

Max On-Delay: 1S

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

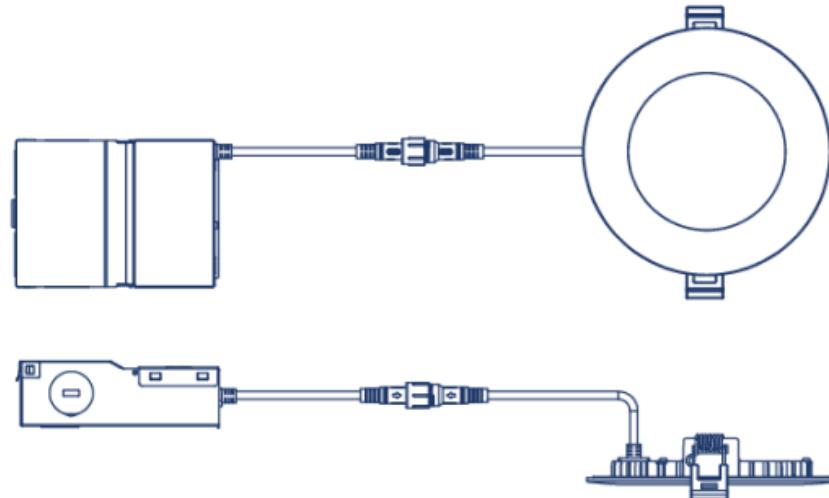
SHIPPING INFORMATION

OrderingCode(s): CLY4-5CS-ECO

Box Quantity: 1

LINE DRAWING

Line Drawings



Wafer Dimensions CLY4-ECO	
A	0.500"
A1	
B	5.0"
Driver Dimensions	
C	1.375"
D	4.125"
E	3.0"
Ceiling Opening DIA.	4-1/4" (4.250")