

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

## SERIES SPECIFICATIONS

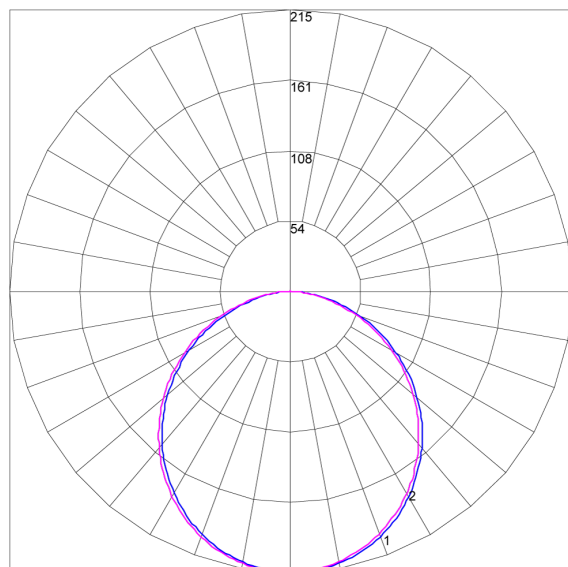


To supply TamLite CLY4-FR series of LED fixtures as specified. The luminaire shall operate at 120Vac and use a TRIAC dimmable, constant current type Integral driver. The housing shall be constructed of die cast Aluminium finished with a textured powder coat over a chromate conversion coat. All hardware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



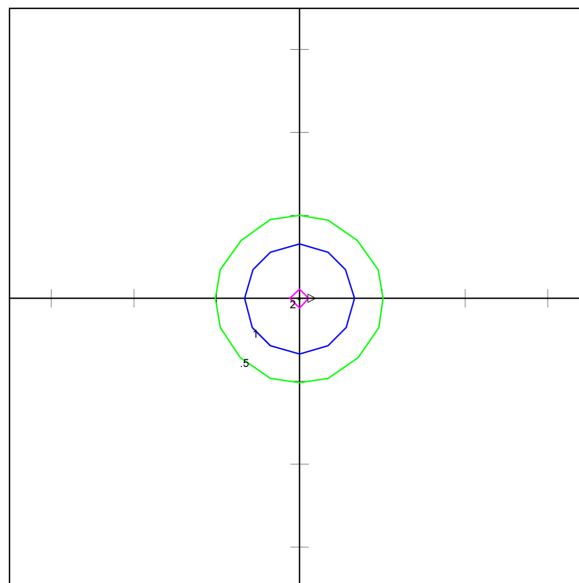
## PERFORMANCE SPECIFICATIONS

## 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 Crt. 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	0
fc	20				20				20			20			20			0
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) UL263, ASTM E119, & CAN ULC S101

**CBCP:** 215 CD

**Luminaire Type:** Direct

**UL Classification:** Wet Location Listed

**CCN Number:** IFA07.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

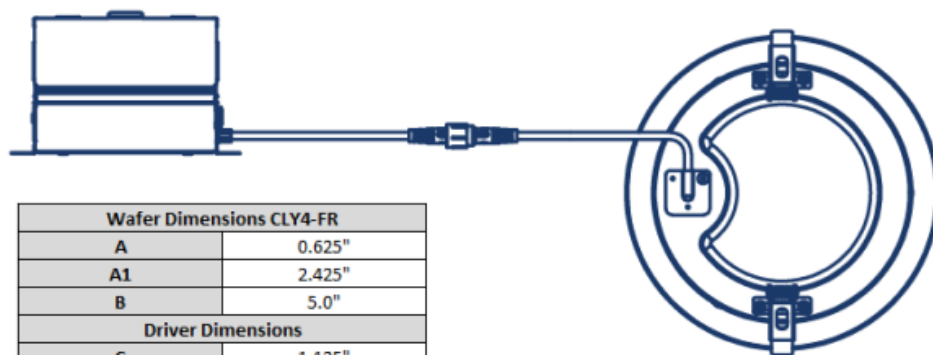
## SHIPPING INFORMATION

**OrderingCode(s):** CLY4-5CS-FR

**Box Quantity:** 1

## LINE DRAWING

### Line Drawings



Wafer Dimensions CLY4-FR	
A	0.625"
A1	2.425"
B	5.0"
Driver Dimensions	
C	1.125"
D	4.125"
E	3.0"
Ceiling Opening DIA.	3-7/8" (3.875")