



# RECESSED LED

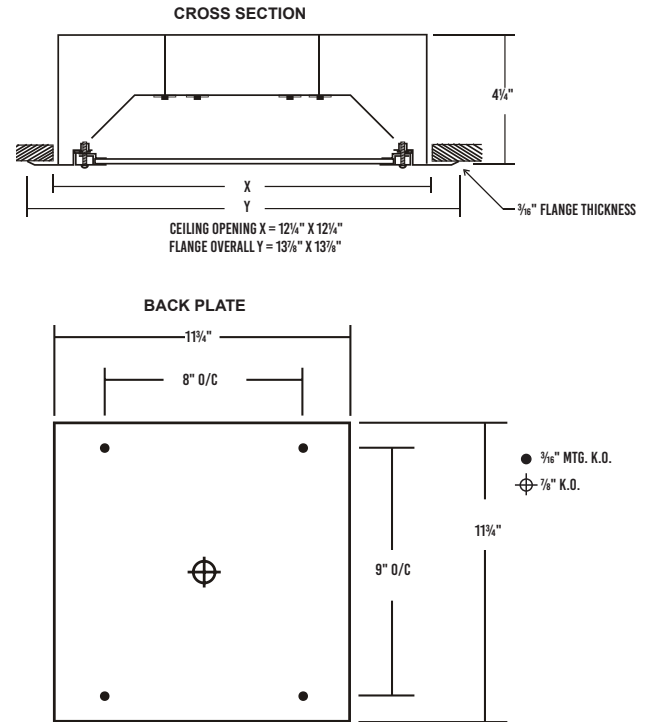
## FCL200 (1X1) SERIES

® 1'X1' LED RECESSED TRIM FLANGED LUMINAIRE

JOB	
TYPE	
DATE	

### RECESSED TRIM FLANGED LUMINAIRE

### DIMENSIONS



### SPECIFICATIONS

#### CONSTRUCTION

- 22 gauge electro-galvanized housing
- 18 gauge electro-galvanized trim flange welded to housing
- 22 gauge electro-galvanized door assembly secured by four captive stainless steel screws
- Three-way polyurethane gasket door frame and flange standard

#### FINISH

- Baked white powder coated finish, painted after fabrication / minimum reflectance 90%
- Door frame: painted after fabrication / minimum reflectance 90%

#### OPTICAL

- Clear prismatic polycarbonate, nominal overall thickness 0.125"

#### ELECTRICAL

- High efficiency drivers coupled with long-life LEDs
- Service life tested at 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

#### LISTING

- UL USA and Canada listed / suitable for damp locations

#### WARRANTY

- 5-year limited warranty, 10-year limited warranty available

### APPLICATIONS

- Corridor, Public Passageways, Soffit, Canopy

### FEATURES

- 0-10V dimming driver standard
- Supports California Title 24 compliance

### OPTIONS CONTACT CUSTOMER SERVICE FOR ADDITIONAL OPTIONS

- Wireless Control Options
- Integral High Frequency Sensor
- Emergency Battery Pack
- Hanger Yokes
- Tamper Proof Screws
- Available in Custom Housing Colors
- Customization available upon request



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Revised 01/15/25



MADE IN THE USA  
BAA Compliant

**ORDERING INFORMATION**

ADDITIONAL OPTIONS AVAILABLE. VISIT [WWW.LALIGHTING.COM/RESOURCES](http://WWW.LALIGHTING.COM/RESOURCES) FOR MORE INFORMATION

EXAMPLE: FCL200-3-1L-PPC2-TP-BPL1.5-DRDM-UNV-2/840

SERIES	LED LUMEN PACKAGE	DOOR FRAME	COLOR	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
<b>FCL200</b>		<b>1L</b>		<b>PPC2</b>			<b>DRDM</b>	<b>UNV</b>		
<b>FCL200</b> • Trim Flanged Luminaire	1 Nom. 1000lm 2 Nom. 2000lm 3 Nom. 3000lm 4 Nom. 4000lm	<b>1L</b> • 1' X 1'	<b>(Blank)</b> • Standard White  <b>BLK</b> • Matt Black  <b>BZ</b> • Statuary Bronze  <b>CS</b> • Camaro Silver	<b>PPC2</b> • Clear Prismatic Polycarbonate, Nominal Overall Thickness 0.125"	<b>(Blank)</b> • Captive Screws Standard  <b>TP</b> • Tamper Proof Screws (Hex Socket with Post)  <b>GSKNF</b> • Neoprene Gasket for Flange	<b>BPL1.5</b> • Emergency Battery Pack, Nom. 1500lm  <b>WLC(xx)</b> • Wireless Control  <b>MSH</b> • Motion Sensor High Frequency (Microwave)  <b>MSHSD</b> • Motion Sensor High Frequency Step Dimming (Microwave)  *Leave Blank if Not Specified	<b>DRDM</b> • 0-10V Dimming Driver	<b>UNV</b> • 120V-277V	2 • 2 LED rows (1000lm-3000lm packages)  4 • 4 LED rows (4000lm packages)	<b>827</b> • 80+CRI / 2700K  <b>830</b> • 80+CRI / 3000K  <b>835</b> • 80+CRI / 3500K  <b>840</b> • 80+CRI / 4000K  <b>850</b> • 80+CRI / 5000K  <b>865</b> • 80+CRI / 6500K  <b>8TW</b> • 80+CRI Tunable White 2700K-6500K  <b>90CRI Also available</b>  Contact customer service for additional CRI/ CCT packages.

**SYSTEM DATA**

ADDITIONAL LUMEN PACKAGES AVAILABLE. CONTACT CUSTOMER SERVICE FOR MORE INFORMATION

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1000 Lumens (Nominal)	FCL200-1-1L-PPC2-DRDM-UNV-2/840	789	7.2	109.64 lm/W	-20°C / 35°C (-4°F / 95°F)	1-FC8T9	*
2000 Lumens (Nominal)	FCL200-2-1L-PPC2-DRDM-UNV-2/840	1551	14.8	104.83 lm/W	-20°C / 35°C (-4°F / 95°F)	1-FC27T6	*
3000 Lumens (Nominal)	FCL200-3-1L-PPC2-DRDM-UNV-2/840	2119	19.9	109.37 lm/W	-20°C / 35°C (-4°F / 95°F)	1-FC40T6	<a href="#">LA-T3578-1</a>
4000 Lumens (Nominal)	FCL200-4-1L-PPC2-DRDM-UNV-4/840	2731	23	115.87 lm/W	-20°C / 35°C (-4°F / 95°F)	1-FC55T6	*

**NOTE:**

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.

This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

**CUSTOM COLORS**

**BLK - Matte Black**

**CS - Camaro Silver**

**BZ - Statuary Bronze**



Variety of RAL colors available upon request.



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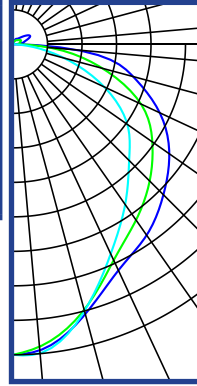
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**MADE IN THE USA**  
BAA Compliant

**PHOTOMETRIC DATA**

<b>FCL200-3-1L-PPC2-DRDM-UNV-2/840</b>
TEST NO. = LA-T3578-1
LED TYPE = 20 LED MODULE
NO. OF MODULE = 2
SYSTEM WATT (W) = 19.38
CRI = > 80
L70(Hrs.) = 50,000
PHOTOMETRY TYPE = C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	691	691	691
5	683	675	690
15	621	611	614
25	555	530	514
35	518	477	435
45	473	430	365
55	424	378	311
65	360	314	224
75	277	206	118
85	143	81	29
90	16	18	5
95	10	13	3
105	28	15	3
115	42	20	3
125	33	17	3
135	20	13	3
145	15	11	2
155	12	7	1
165	6	4	1
175	3	2	0
180	0	0	0

ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	486	16.1	22.9
0-40	785	26.0	37.0
0-60	1448	47.9	68.3
0-90	2035	67.3	96
90-120	49	1.6	2.3
90-150	81	2.7	3.8
90-180	85	2.8	4.0
0-180	2120	70.2	100.0

Luminaire Output = 2119.8 lm  
 Luminaire Efficacy = 109.38 lm/W  
 Luminaire Efficiency = 70.2%

SPACING CRITERION	
ALONG	ACROSS
1.15	1.03

**SENSOR OPTIONS**

**ADDITIONAL CONTROLS & SENSORS AVAILABLE. VISIT [WWW.LALIGHTING.COM/RESOURCES](http://WWW.LALIGHTING.COM/RESOURCES) FOR MORE INFORMATION**

**enocean® CONTROLS AND SENSORS**

- WLC(LED RU) - EnOcean® LED Relay Zone Controller**
  - Supports a single LED fixture or multiple daisy chained LED fixtures
  - Module installed inside lighting fixture
- ESRPU-W-EO - EnOcean® Rocker Switch – Single – Surface Mount**
  - Wireless single rocker switch with mounting plate
  - No batteries needed
- EDRPU-W-EO - EnOcean® Rocker Switch – Double – Surface Mount**
  - Wireless double rocker switch with mounting plate
  - No batteries needed
- S3054-N300 - EnOcean® Navigan NWC 300U – Commissioning Tool**
  - Navigan Wireless Commissioner is used to configure EnOcean controllers & sensors
  - It can be used to define link tables, change parameters/settings, and to edit & store projects
  - Configuration settings can be saved and cloned to enable quick configuration
  - Connectivity is through the NWC 300U USB Stick

- EOSWU-W-EO - EnOcean® Occupancy Sensor – Wall Mount**
  - Wireless wall mounted occupancy sensor
  - Solar powered - no batteries needed (coin battery operated in low light conditions)
  - PIR motion sensor with both wide angle (50°) and long range (100') options
  - Mounting height: 6-8 feet
- EOSCU-W-EO - EnOcean® Occupancy Sensor – Ceiling Mount**
  - Wireless ceiling mounted occupancy sensor
  - Solar powered - no batteries needed (coin battery operated in low light conditions)
  - PIR motion sensor with 360 degree viewing angle lens (34' diameter)
  - Mounting height: 7-10 feet
- ELLSU-W-EO - EnOcean® Light Level Sensor – Ceiling Mount**
  - Light Level sensor that measures and reports the level of available natural light
  - Solar powered - no batteries needed (coin battery operated in low light conditions)
  - Enables implementation of daylight harvesting control systems
  - Mounting position: At the ceiling, close to ambient light source

**HIGH FREQUENCY MOTION SENSORS**

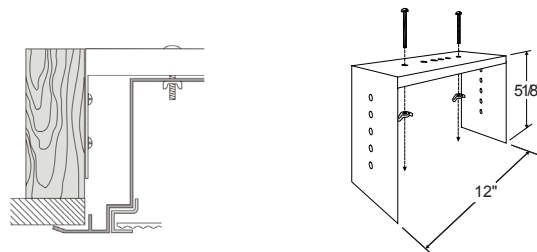
**DRY & DAMP LOCATION**

- MSH - Motion Sensor High Frequency (Microwave)**
  - Super high frequency motion sensor (also known as microwave sensor) which detects movement when installed behind low density fixture materials, such as polycarbonate, acrylic and glass diffusers
  - Turns light ON/OFF based on motion detection
  - Fixture mounting height ~30ft

- MSHSD - Motion Sensor High Frequency Step Dimming (Microwave)**
  - Step-dims output with motion detection
  - Turns light ON/OFF based on motion detection
  - Fixture mounting height ~30ft

**ACCESSORIES**

- HS-12**
  - Hanger Yokes
  - Compatible with all types of recessed flanged fixtures
  - 1/4 - 20 x 3" Machine screws locate into knockout on back of fixture housing
  - Two (2) per fixture



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