



Symbol	Qty	Label	Arrangement	Arr. Lum. Lumens	LLF	Mfer	Description
☉	17	E3	GROUP	6304	0.571	N.A.	FCC820-XXXV-3K-2000-XX-UNFL-DNFL-X
☉	16	E4	SINGLE	2225	0.900	INTENSE LIGHTING	SS6G23000358_IC632C-CR
☉	55	E5-ALT	SINGLE	7120	0.900	SPECGRADELED	LBF-50-XXXXK-120-DL

Room Summary	Label	Wall Ht.	Description

Calculation Summary	Label	CalcType	Units	Avg	Max	Min	Max/Min	Description
	Area_Planar	Illuminance	Fc	6.79	61.9	0.0	N.A.	Readings at ground
	Doyle Street Parking_Floor	Illuminance	Fc	53.78	66.3	34.2	1.94	Readings taken at floor
	Wilson Street Parking_Floor	Illuminance	Fc	51.15	69.3	0.0	N.A.	Readings at ground

Filename: C:\Users\chris\Desktop\Layouts\Judge Doyle Square\Judge Doyle Square.AGI



Luminaire Schedule							
Symbol	Qty	Label	Arrangement	Arr. Lum. Lumens	LLF	Mfcr	Description
⊙	13	E3	GROUP	6304	0.571	N.A.	FCC820-XXXV-3K-2000-XX-UNFL-DNFL-X
⊙	39	E4	SINGLE	2225	0.900	INTENSE LIGHTING	SS4G23000358_IC632C-CR
⊙	33	E5-ALT	SINGLE	7120	0.900	SPECGRADELED	LBF-50-XXXXX-120-DL
	3	E5-HI	SINGLE	3796	0.900	Luminaire LED, Inc., Edison, New Jersey,	AEL48-35_2W 4000K
	2	E5-LO	SINGLE	2030	0.900	Luminaire LED, Inc., Edison, New Jersey,	AEL48-20W 4000K

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Max/Min	Description	
Ground_Planar	Illuminance	Fc	4.73	37.4	0.0	N.A.	Readings at ground	
Loading Dock Floor	Illuminance	Fc	2.56	11.9	0.0	N.A.	Readings at ground	
Parking Entrance	Illuminance	Fc	49.95	63.5	28.5	2.23	Readings at ground	



E1 - FOUNTAIN LIGHTING



LTV8SS
Lightvault® 8 Stainless Steel
kl_ltv8ss_spec.pdf

JOB _____ TYPE _____
NOTES _____ APPROVALS _____

FEATURES

- Sealed IP68 LED light engine
- Bluetooth connectivity for remote control aiming and dimming
- Free Mobile App for Android and IOS
- Easy to install and pair devices
- Advanced thermal management provides long life in excess of 100,000+ hours
- Runs cool to the touch - less than 40°C

Certifications



SPECIFICATIONS

Pour Box rough-in housing ships separately and as a quick-ship if requested.



LTV82SS



LTV83SS



DEBRIS SHIELDS



LIGHT DISTRIBUTIONS:

LTV81SS, LTV82SS, LTV83SS



ORDERING CODE

Fixture Size	Distribution*	Source	Electrical Module	Lens Options ¹	Rebar Cage Anchor
LTV81SS 13" Dia.	SP, NF, WW	36L 36 LEDs	Color Temperature: 3K 3000K, 4K 4000K, 5K 5000K; Voltages: UV 120-277V	SR Slip-Resistant Lens; PL Prismatic Lens	RCA81 for LTV81, RCA82 for LTV82, RCA83 for LTV83
LTV82SS 10-3/8" Dia.	SP, NF	18L 18 LEDs			
LTV82SS 10-3/8" Dia.	WW	16L 16 LEDs			
LTV83SS 7-15/16" Dia.	SP, NF, WW	12L 12 LEDs			

* SP = Spot, NF = Narrow Flood, WW = Wall Wash

Kim Lighting reserves the right to change specifications without notice.

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P 626.968.5666 | F 626.369.2695 | www.kimlighting.com | Rev. Aug. 6, 2016



| 1 |

E2 - BOLLARDS



Date: _____ Approved: _____
Type: _____
Fixture: _____
Project: _____

FCB460

Exterior 316 stainless steel bollard.



ORDERING

EXAMPLE: FCB460-120V-4k-2000-SS-D

SERIES	VOLTAGE	SOURCE/TEMPERATURE/LAMP	FINISH	ACCESSORIES
FCB460	120V	PL 26T 32T	SS Stainless Steel	D Dimming 0-10V
	277V	HID 50W MH 70W MH		LD LED Dim 0-10V
	347V ^Δ	100W MH		PE Photo Eye
		LED 3K 500 Lumens (35W)		
		35K		
		4K		

^Δcontact factory

SPECIFICATION

MOUNTING

- A thick die-cast base plate is provided and anchored through with a set of three 12" length x 3/8" diameter hot dipped anchor bolts. Heavy gauge base bracketing for bollard installation.
- Installation:** <http://tinyurl.com/jthbvxv>

CONSTRUCTION

- Marine grade 316 stainless steel housing.
- Impact resistant, UV stabilized, clear, polycarbonate diffuser.
- Neoprene continuous closed cell gasket to seal out contaminants. Captive and recessed stainless steel, tamper resistant hex socket screws.

LED

- Lumens stated are the minimum delivered out of the luminaire. LED lifetime is greater than or equal to 70,000 hours with the lumen depreciation greater than L70. All of our luminaires are LM-80 tested and are ≥ CRI80, with a 4-step MacAdam Ellipse color consistency. Integral power supply standard. Input voltage 120V or 277V standard.

FINISH

- Brushed stainless steel finish.

ELECTRICAL

- Socket** PL: Four pin plug-in type compact fluorescent lamp holder. HID: Medium base pulse rated 4KV porcelain socket.
- Ballast** PL: Fluorescent high power factor electronic, UL listed ballast standard. HID: Electronic ballast standard. Ballast has a manufacturer issued 5 year warranty. Electronic voltage 120V or 277V is standard. Please consult factory for other voltage options.

LISTING

- UL & cUL/ETL, U.S. and CA listed for wet locations. IP65 rating.

FC Lighting, Inc. reserves the right to change details or specifications without notice. Product use certifies agreement to FC Lighting's terms and conditions.

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AK Rev. 716

E3 - EXTERIOR WALL SCNCE



Date: _____ Approved: _____
 Type: _____
 Fixture: _____
 Project: _____

FCC820

8" Round Wall Mounted Die-Cast Aluminum Cylinder, Up / Down Light



ORDERING

GO GREEN SPEED 25 pcs or Less / ships in 2 weeks* **EXAMPLE: FCC820-120V-3K-1200-BK-D**

SERIES	VOLTAGE	SOURCE/TEMPERATURE/LAMP	FINISH	LED OPTIC DIRECTION	ACCESSORIES
FCC820	120V	PL 2/26T 2/32T 2/42T	BK Black	UP	D Dimming (0-10V)
	277V	INC 2/150W PAR38	BZ Bronze	USP Spot	LD LED Dimming (0-10V)
	347VΔ	HID 2/70W MH G12	SL Silver	UNFL Narrow Flood	DNFL Narrow Flood
			WH White	UFL Flood	DFL Flood
	LED	3K 1200 Lumens (15W)*	CC Custom Color	UWFL Wide Flood	DWFL Wide Flood
				4K 2000 Lumens (24w)*	UNO None

Δ contact factory
 * Each Direction

SPECIFICATION

MOUNTING

- Mounts directly to standard recessed junction box. Additional mounting holes allow unit to be attached directly to mounting surface.

CONSTRUCTION

- Marine grade, corrosion resistant, heavy walled, high pressure die-cast aluminum with die-cast back mounting plate.
- Lens is 3/8" thick clear tempered glass. Precision formed semi-specular aluminum for maximum reflectance.
- Silicone gasket to provide maximum protection against contaminants. Hidden fasteners allow for cover removal to facilitate installation and services.

LED

- Lumens stated are the minimum delivered out of the luminaire. LED lifetime is greater than or equal to 70,000 hours with the lumen depreciation greater than L70. All of our luminaires are LM-80 tested and are ≥ CR180, with a 4-step MacAdam Ellipse color consistency. Integral power supply standard. Input voltage 120V or 277V standard. Consult factory for non-white static LED colors; Red, Green, Blue or Amber.

FINISH

- Six stage chemical pre-treatment process that includes iron phosphate, to prepare the substrate for a UV stable, super durable standard polyester powder coat.
- Optional e-coat process is added to the standard finish including zinc phosphate for a 5 year limited warranty.

ELECTRICAL

- Socket** PL: Four pin plug-in type compact fluorescent lamp holder (*lamp by others*). INC (120V only): Medium base porcelain socket. HID: Medium base pulse rated 4KV porcelain socket or G12 base porcelain socket.
- Ballast** PL: Fluorescent electronic, UL listed ballast standard. HID: Electronic ballast standard. Ballast has a manufacturer issued 5 year warranty. Please consult factory for other voltage options.

LISTING

- UL & cUL listed for wet location. IP65 Rating.

* Terms & Conditions for our Go Green Speed, quick ship program are located on our website: fclighting.com

FC Lighting, Inc. reserves the right to change, without notice, details or specifications in product design. Product use certifies agreement to FC Lighting's terms and conditions.

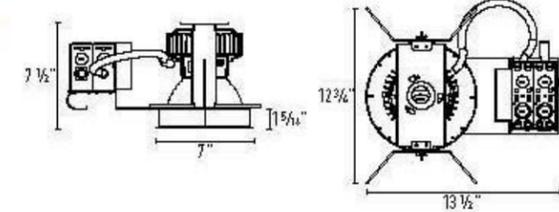
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MT Rev. 015

E4 - OVERHANG DOWNLIGHTS

SS6G2 / IC632

6" LED General Illumination / Regressed Lensed Reflector



Cut-out: 1 3/4"

Order Matrix | Example: SS6G22000308-Z7-EM

A	B	C	D	E
A Series	SS6G2	6" LED Recessed Round	D Dimming	
B Module Lumen Output	1100	1100 Lumen	blank	0-10V Dimming 10%
	1500	1500 Lumen	-D10V1	0-10V Dimming 1%
	2000	2000 Lumen	-ED10V1	ddoLED 0-10V 1% ¹
	3000	3000 Lumen	-ED10V01	ddoLED 0-10V 0.1% ¹
C Color Temperature / CRI			-LU T1	Lutron Hi-Lume 1%
	2700K / 80 CRI		-LU T	Lutron EcoSystem 1%
	3000K / 80 CRI		-LU T5	Lutron EcoSystem 5%
	3500K / 80 CRI		-EDALI1	ddoLED DALI 1% ¹
	4000K / 80 CRI		-EDALI01	ddoLED DALI 0.1% ¹
			E Voltage	
			blank	120V
			-Z	277V
			E Options	
			-EM	Emergency Backup
			-I100	C-Channel Bar Hanger
			-I200	Flat Bar Hanger
			-I400	Wood Joist Bar Hanger

Notes:

- ddoLED dimming not available for 3000lm module

Reflector Matrix | Example: IC632HZ-SF-S8

A	B	C	D
A Series	IC632	6" Regressed Lensed Reflector	C Trim
B Reflector Finish	HZ	Haze	-SF Self Flanged
C Clear	W	White	-SFW Self Flanged White
D Lens Type			-CR Clear Tempered
			-SB Sand Blasted

SLASH MARKS

Intense Lighting
 3340 E La Palma Ave, Anaheim, CA 92806 | tel 714 430-9877 | fax 714 430-9883
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JOB NAME	CATALOG NUMBER
NOTES	TYPE

Catalog Number	System Wattage *	Delivered Lumens **
SS6G21100358 / IC632C-CR	19W	922lm @ 3500K
SS6G21500358 / IC632C-CR	19W	1242lm @ 3500K
SS6G22000358 / IC632C-CR	25W	1505lm @ 3500K
SS6G23000358 / IC632C-CR	37W	2225lm @ 3500K

* System wattage include driver and LED module consumption.
 ** Delivered Lumen output will vary depending on CCT and lens type (0.7 multiplier for -SB lens).

LED MODULE

- Powered by OSRAM PrevaLED® Cube LED Module
- 50,000 hours @ 70% lumen maintenance
- No heat, mercury or UV
- Available in 1100, 1500, 2000 and 3000lm
- CRI = 80 & CCT 2700K, 3000K, 3500K, 4000K

ELECTRICAL SYSTEM

- Osram OptoElectronic® standard with 0-10V dimming to 10%
- Power factor > 0.9, 50/60Hz
- Multiple dimming options available

OPTICAL SYSTEM

Specification Grade Reflector, 1.2mm thickness, 1 1/4" regressed lens. Reflector available in clear specular, haze or white. Architectural, discrete polished self flange standard. Optional painted white flange is available.

FRAME CONSTRUCTION

Heavy duty galvanized steel frame with a large access junction box. ETL listed for through wiring. LED light engine and driver are accessible from above or below ceiling.

INSTALLATION

The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EM. Bar hangers must be ordered separately. C-channel are recommended for T-bar ceilings. Maximum ceiling thickness is 1 1/4".

EMERGENCY BACKUP

Remote test switch included. Emergency driver operates LED load of up to 7.0 Watts at a nominal 450 lumens for a minimum of 90 minutes.

LISTING/WARRANTY

- ETL listed to US and Canadian standards for wet locations.
- 10-Year Intense LED Limited Warranty



E5 - GARAGE ENTRY LIGHTS

THE MERCURY PARKING GARAGE LED

50W

REPLACES UP TO A 120-WATT METAL HALIDE FIXTURE

FOR MORE FWC APPROVED LED LIGHTING SEE SPECGRADELED.COM



FWC APPROVED (LBF-FWC)



SPECIFICATIONS

Expected life: Over 100,000 hrs.
 Rating: IP 65
 Color Rendering Index (CRI): >80
 Power factor: >0.98%
 Input line voltage: 90-305 VAC
 347-480V (optional)
 Operating temp: -40°F-122°F
 (Also available: -40°F-140°F)
 Input line frequency: 50/60 Hz
 LED efficiency:
 - warm white, 131 lm/w
 - natural white, 141 lm/w
 - cool white, 143 lm/w

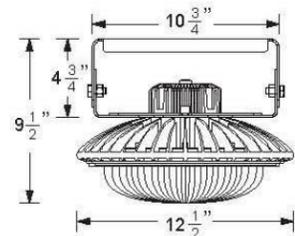
MISC SPECS

LED chips: Lumileds Luxeon-T
 Driver: UL approved Meanwell
 Dimmable: 0-10V (optional)
 Occupancy sensor: (optional)
 Hanging weight: 10 lbs.

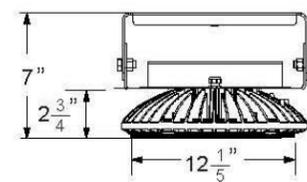
MATERIALS

Heat sink housing:
 Anodized aluminum
 Finish: Powder coated
 Dropped lens: Acrylic

50W DIMENSIONS (SURFACE MOUNT)



50W 480V CONFIGURATION (SURFACE MOUNT)



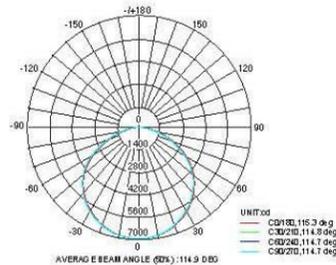
OCCUPANCY SENSOR (OS) (OPTIONAL)



OS: Occupancy sensor for wet location (IP65)



PHOTOMETRICS



E6 - TREE LIGHTING



LTV81-RGBW
 Lightvault® 8
 kl_lt81_rgbw_spec.pdf

JOB _____ TYPE _____
 NOTES _____ APPROVALS _____

FEATURES

- Bluetooth connectivity for remote control aiming, dimming, color changing
- Free mobile App for Android and iOS
- Hardwired DMX connectivity for advanced control (controller supplied by others)
- IP68 sealed light engine

Certifications

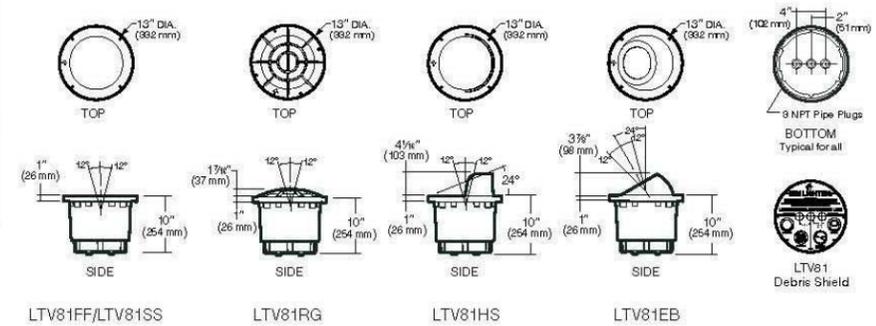


SPECIFICATIONS



Approx. Weight = 31.5 lbs.

Pour Box rough-in housing ships separately and as a quick-ship if requested.



ORDERING CODE

Fixture Size	Style	Distribution	Electrical Module	Lens Options ¹	Rebar Cage Anchor
LTV81 13" Dia.	FF Flat Frame SS Stainless Steel HS Half Shield RG Rock Guard	SP Spot NF Narrow Flood	Source 24L 24 LEDs (for LTV81FF) 12L 12 LEDs (for LTV81EB) Color Temperature RGBW Voltages UV 120-277V	SR Slip-Resistant Lens ²	RCA81 for LTV81

¹ All lens options are integral parts of component module and must be installed at factory.
² Slip Resistant Lens only available with the Flat Frame and Stainless Steel

Kim Lighting reserves the right to change specifications without notice.





ORNAMENTAL STREET LIGHTS BY CITY OF MADISON

