

57R LED SERIES

PROJECT: _____
 TYPE: _____
 PRODUCT: _____
 APPROVED BY: _____

PRODUCT FEATURES

- Intended for Minimum to Supermax Correctional Facilities, Detention Centers, Public Housing, Athletic Facilities, and more
- Recessed ceiling mount; grid or flange
- Available in 1x1, 1x2, 1x4, 2x2, 2x4 inset doorframe design, secured to housing with countersunk Torx® fasteners
- Recessed ceiling mount; grid or flange
- Incorporates a removable reflector unitized with all electrical components for easy installation and maintenance
- Lens secured by "Z" retainers with welded studs spaced six inches apart for maximum strength
- This product is Made in America and complies with the Buy American Act requirements (BAA)



57R Series

ORDERING INFORMATION

Example: 57R12-A/A-L2401C-A/B-UN



57	R					
Series	Mounting R = Recessed (Grid/Flange)	Size 11 = 1x1 12 = 1x2 14 = 1x4 22 = 2x2 24 = 2x4 *Nominal Size. Dimensional Data on Page 2.	Housing A = 12Ga. CRS Painted B = 14Ga. CRS Painted C = 16Ga. CRS Painted D = 18Ga. CRS Painted E = 14Ga. SS F = 16Ga. SS G = 18Ga. SS H = 14Ga. SS Painted J = 16Ga. SS Painted K = 18Ga. SS Painted	Frame A = 12Ga. CRS Painted B = 14Ga. CRS Painted C = 16Ga. CRS Painted E = 14Ga. SS Brushed F = 16Ga. SS Brushed H = 14 Ga. SS Painted J = 16 Ga. SS Painted	Lumen Output 57R11: L1 = Standard L2 = High 57R12-14: L2 = Low L3 = High CL = Custom Lumen Output** 57R22-24: L2 = Low L4 = Standard L6 = Medium L8 = High CL = Custom Lumen Output**	Color Temp. 35 = 3500K 40 = 4000K 50 = 5000K

Circuits 1C = 1 Circuit 2C = 2 Circuits* *Allows for Inboard/ Outboard control	Outer Lens 0 = No Lens A = .125 Clear Poly. B = .156 Clear Poly. 1 = .187 Clear Poly. 2 = .250 Clear Poly. 3 = .375 Clear Poly. 5 = .187 Clear Temp. Glass 6 = .250 Clear Temp. Glass 7 = .375 Clear Temp. Glass* 8 = .500 Clear Temp Glass* 9 = .750 Clear Temp Glass* *Must use with 12Ga. or 14Ga. frame	Inner Lens A = .125 Prismatic Acrylic B = .125 Prismatic Poly. C = .156 Prismatic Poly. D = .187 Prismatic Poly. F = .156 Prismatic Acrylic G = .140 DR Acrylic H = .125 White Frosted Acrylic LC3 = .125 White Frosted Poly.	Voltage 12 = 120V 27 = 277V 34 = 347V UN = Universal (120V - 277V)	Options FZ1 = Fuse (120V) FZ2 = Fuse (277V) LN = LED Night Light* EL1 = Emerg. Bat. LED Low (10W)** EL2 = Emerg. Bat. LED High (20W)** AH = Allen Head fasteners with center pin reject AM = Antimicrobial finish on exposed surfaces Tunable White Driver (for TW1 or TW2 CCT options only): TWD = 2-Channel 0-10V DALI8 = 1-Channel Dali8 *3500K non-dimming Night Light with integrated switch allows light levels at 100%, 70%, 40% and 10%. **If stored, batteries should be fully recharged every six months and kept between 0°C-25°C to maintain optimal battery capacity.
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SPECIFICATIONS

HOUSING: Die-formed, seam welded, and ground smooth housing in cold rolled steel or stainless steel housing (specify gauge). Incorporates a removable reflector unitized with all electrical components for easy installation and maintenance.

FRAME: Die-formed one-piece inset doorframe with mitred corners secured to housing with countersunk Torx® fasteners, available in cold rolled steel or stainless steel.

HINGE: 16-Gauge full length continuous, staked piano hinge, with welded ends to prevent removal (material to match housing).

LENS: Lens per specification (see options) and secured by “Z” retainers with welded studs spaced six inches apart for maximum strength.

LED: Available in three color temperatures 3500K, 4000K, and 5000K with maximum 3-step MacAdam variation allowance. Other color temperatures available, consult factory. Minimum 50,000 hours with 70% lumen maintenance in a 25°C ambient temperature, compliant with IES LM-80 testing standards.

ELECTRICAL: 120-277VAC or 347VAC, 50/60HZ electrical input high power factor electronic, constant current driver (<20% THD, >0.95 PF). Standard 0-10V dimming with 1-100% range.

OPTIONAL TW DRIVERS:

DALIB – DALI Type 8 (One DALI Address)

TWD– Two Channel 0-10V dimming; one channel for brightness, one channel for CCT

FASTENERS: Tamper-resistant Torx® head fasteners.

FINISH: White powder coat finish following multi-stage iron phosphate pretreatment.

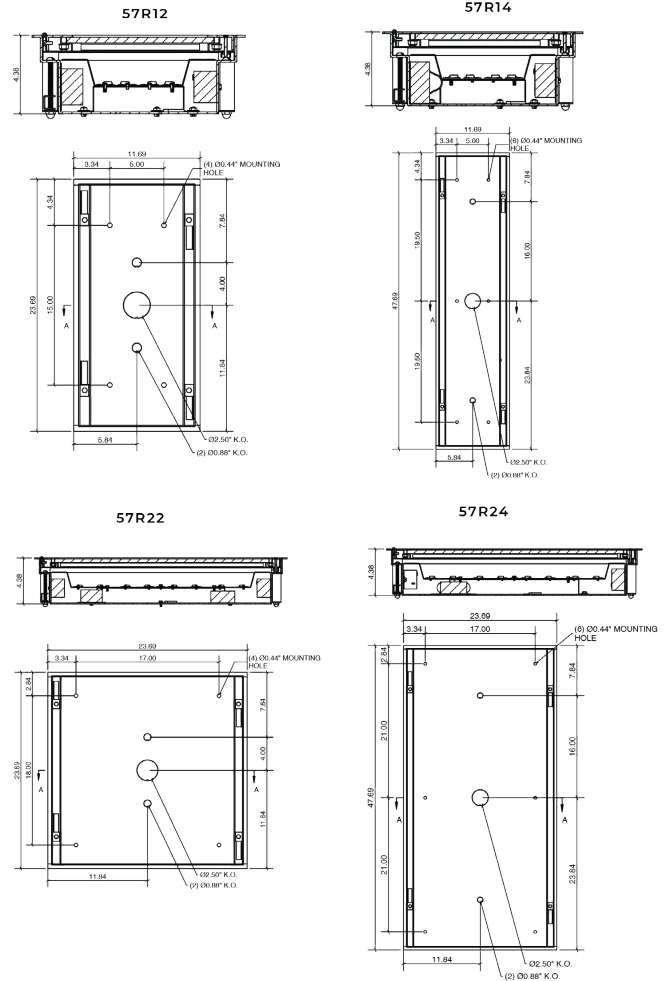
GASKET: Black neoprene gasket around interior door frame to prevent light leaks.

INSTALLATION: Recessed mounting accommodates Grid and Flange installations. Recessed fixtures will be supplied with adjustable swing arms that can be used for Flange applications or taped to the side for Grid applications. Recessed install compatible with 1-1/2” and 15/16” Grid systems. Mounting for custom ceilings available, consult factory.

WARRANTY: New Star Promise.

LABEL: Fixture is certified to UL standards for Wet Locations. This product is Made in America and complies with the Buy American Act (BAA).

DIMENSIONAL DATA



The 57R LED Series is covered by our New Star Promise.

Our promise means we will repair or replace any of our High Abuse or Vandal-Resistant architectural luminaires when installed according to our instructions for the life of the original installation if the fixture should fail due to physical abuse*.

*Damage caused by gunfire and chemical reactions is not covered by the New Star Promise.

PERFORMANCE DATA

*Data is with 80 CRI chip at 4000K. LEDs are frequently updated therefore values may change without notice.

MODEL	OUTPUT	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
57R11	L1 = Standard	3500K	1438	115	12.5
		4000K	1500	120	12.5
		5000K	1562	1250	12.5
	L2 = High	3500K	2090	105	20
		4000K	2185	109	20
		5000K	2280	114	20
57R12	L2 = Low	3500K	2875	115	25
		4000K	3000	120	25
		5000K	3125	125	25
	L3 = High	3500K	4180	110	38
		4000K	4370	115	38
		5000K	4560	120	38
57R14	L2 = Low	3500K	5750	115	50
		4000K	6000	120	50
		5000K	6250	125	50
	L3 = High	3500K	8250	110	75
		4000K	8625	115	75
		5000K	9000	120	75
57R22	L2 = Low	3500K	3000	120	25
		4000K	3125	125	25
		5000K	3250	130	25
	L4 = Standard	3500K	6000	120	50
		4000K	6250	125	50
		5000K	6500	130	50
	L6 = Medium	3500K	8625	115	75
		4000K	9000	120	75
		5000K	9375	125	75
	L8 = High	3500K	11500	115	100
		4000K	12000	120	100
		5000K	12500	125	100



PERFORMANCE DATA CONT.

*Data is with 80 CRI chip at 4000K. LEDs are frequently updated therefore values may change without notice.

MODEL	OUTPUT	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
57R24	L2 = Low	3500K	6000	120	50
		4000K	6250	125	50
		5000K	6500	130	50
	L4 = Standard	3500K	12000	120	100
		4000K	12500	125	100
		5000K	13000	130	100
	L6 = Medium	3500K	17250	115	150
		4000K	18000	120	150
		5000K	18750	125	150
	L8 = High	3500K	23000	115	200
		4000K	24000	120	200
		5000K	25000	125	200

