RM2424S

Recessed Plaster Ceiling -or- Lay-in T-Bar Grid
Energy Efficient / High Performance LED
Shallow Housing / Leveler Design / NON-IC

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

SPECIFICATIONS

- **MINIMUM ORDER QUANTITY — 25pcs MOQ**
- DRIVER — Universal Volt 120/277V with 0-10V dimming standard. Optional dimming ranges, 10% or 1%, under Dimming Options.
- FINISH — Oven baked Polyester Powder Coat White Finish is Standard. Optional Natatorium Finish is available for harsh conditions including: chlorine, salt, exhaust fumes.
- GASKETING — High temperature, non-aging black EPDM and/or neoprene rubber concealed in housing pocket.
- HOUSING — 14-gauge aluminum, die formed and riveted construction. One 7/8" trade size knockout provided on top for line side entry. Four winged leveler mounts mechanically attached to housing.
- LENS — 5/32" (0.156") thick prismatic polycarbonate lensing standard.
- LENS FASTENERS — Stainless steel tamperproof screws secure doorframe to housing.
- LIGHT ENGINE — Energy Efficient Super Bright Light Emitting Diode.
- MOUNTING — Mounts into a 22⅝" x 20⅝" ceiling cutout. Torquing leveler design pulls luminaire flush to level ceiling surface.
- COMPLIANCE — Built to comply with U.S. and Canadian Safety Standards. Damp location rated, wet location optional, covered ceilings only. For use in NON-insulated ceilings only. **Made in USA / Buy America Compliant / Buy American Act.**

ORDERING INFO

ORDERING GUIDE:

Series	Mounting	Wattage	CCT	Voltage	Finish	Options

SERIES
NOTE: RM2424S Requires MoQ = 25pcs
RM2424S = RM2424 Shallow Recessed Mount Series

MOUNTING
G = Grid T-Bar Ceiling
P = Plaster Ceiling

WATTAGE
LED40 = 40 Watt LED
LED60 = 60 Watt LED
LED75 = 75 Watt LED
LED90 = 90 Watt LED
LED105 = 105 Watt LED

COLOR TEMPERATURE (CCT)
3K = ±3000K range
35K = ±3500K range
4K = ±4000K range
5K = ±5000K range

VOLTAGE
347 = 347 Volt
UNV = Universal Voltage (120/277V) Driver

STANDARD FINISH
BK = Black Finish
BZ = Bronze Finish
PNA = PNA Finish
WH = White Finish

PREMIUM UPCHARGE FINISH
CC = Custom Color (Visit **www.ralcolor.com**)
— Provide RAL# or Make-to-Match Color Chip
+NAT = Epoxy Coating for Natatorium
— Includes Conformal Coating of LEDs

LENS OPTIONS[21]
#81 = .156" K12 Prismatic Polycarbonate (Standard)
#85 = .156" Clear Tempered Glass
#86 = .250" Clear Polycarbonate
#92 = .187" Clear Polycarbonate
#98 = .118" Frosted Polycarb. / Glare Control

CONTROL OPTIONS (Choose from Manual or Sensor)
MANUAL CONTROL (Wall Switch or Control System)
Note: Cannot be used with Sensor Controls below
Note: 0-10V (100-30%) Dimming is Standard
D7A = 0-10VDC LED Dimming Driver (100-10%)
D7B = 0-10VDC LED Dimming Driver (100-1%)
BLS = Bi-Level Switching (Includes Two Drivers)

OR

Sensor Control (Sensor Integral to Fixture)[20]
Note: Cannot be used with Manual Controls above
OCC = Occupancy Sensing | Motion Sensor Integral
— Microwave / Single Feed / 120/277V Only
— Standby Dim Level Presets: ON/OFF (0%/100%)
BLD = Bi-Level Dimming | Motion Sensor Integral
— Microwave / Single Feed / 120/277V Only
— Standby Dim Level Presets:
10% / 20% / 30% (Standard) / 50%

MISC OPTIONS
WET = Wet Location Rated

EMERGENCY BATTERY OPTIONS
Meets California Energy Commission Title 20:
(CEC-400-2014-009-CMF) Efficiency Standards

REL8W = Remote LED 8 Watt
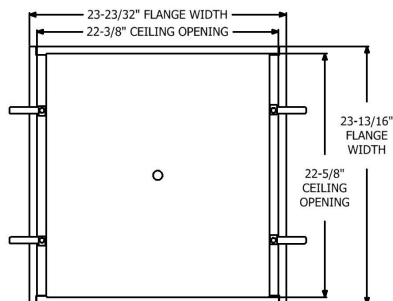**REL16W** = Remote LED 16 Watt

Cold Weather Emergency Batteries:
Operating Temp: -20°C thru 50°C / *NON-CEC Compliant*

REL10W-CW = Remote LED 10 Watt (Cold Weather)

NOTES:
[20] Max mounting height of fixture is 18' (18 feet)

[21] Up to two (2) lens choices may be made with a maximum combined thickness of 0.438" (7/16").

DIMENSIONS

23-23/32" FLANGE WIDTH
22-3/8" CEILING OPENING
23-13/16" FLANGE WIDTH
22-5/8" CEILING OPENING
4"
6-1/4" OVERALL

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ECLIPSE™ LIGHTING

RM2424S

Recessed Plaster Ceiling -or- Lay-in T-Bar Grid
Energy Efficient / High Performance LED
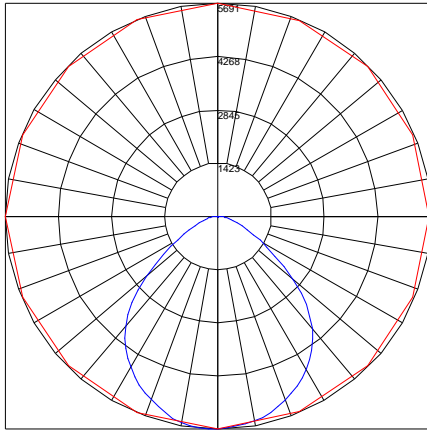*Shallow Housing / Leveler Design / NON-IC*

We reserve the right to revise the design or components of any product without notice.
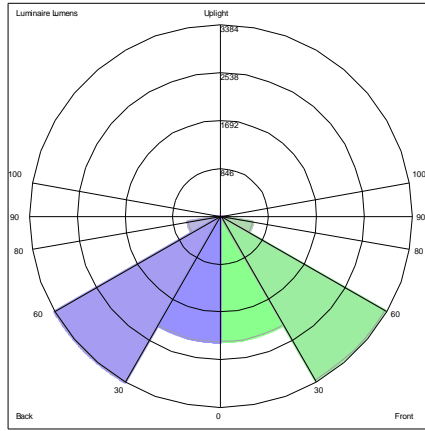
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PHOTOMETRIC DATA

Test #: 104574085CHI-003 | Test Catalogue #: RM2424S-LED130-5K-UNV-WH | Test Date: 9/22/2021							
Lamp Output	**Lumen Efficacy**	**Input Voltage**	**Input Current**	**Input Wattage**	**Power Factor**	**Distribution Type**	**Color Temp**	**BUG Rating**
12,458 Lumens	99.8 LPW	120.2V	1044.8A	124.8W	0.995	Type V - Short	5000K	B3-U0-G1

POLAR GRAPH

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH

LCS Summary	
Zone	**Lumens**
Forward Low (0-30)	2214.9
Forward Medium (30-60)	3339.0
Forward High (60-80)	569.0
Forward Very High (80-90)	68.7
Back Low (0-30)	2221.4
Back Medium (30-60)	3383.5
Back High (60-80)	586.8
Back Very High (80-90)	74.5
Up Low (90-100)	0.0
Up High (100-180)	0.0

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