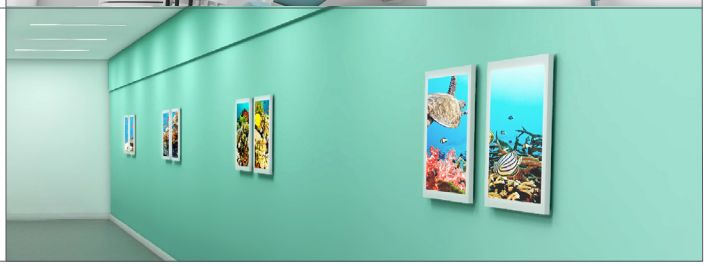
METALUMEN SPECIFICATION SHEET

# SCENE PHOTO GRAPHICS

## SCE . LED . DIRECT

| | |
|---|---|
| PART #: | |
| PREP BY: | DATE: |
| PROJECT: | QTY: |
| NOTES: | |
| APPROVAL SIGNATURE: | DATE (DD/MM/YYYY): |



- Specification grade edgelit light guide luminaire
- Four standard graphics to choose from
- Various configuration patterns
- Pendant with power over aircraft cable, recessed and surface mount options

5 YEAR WARRANTY | c UL us LISTED E360888 Recessed E360886 Surface E488140 All mountings (Remote Driver) | CCEA APPROVED CHICAGO PLENUM | DAMP

## ORDERING LOGIC

Example Part Number: SCE-2L50K-22-G1A-W-L41-P1-1-NR

| SCE | 2L50K | | | | L4 | 1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 & 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

### PENDANT

**1. SERIES**
- **SCE**

**2. COLOR TEMP**
- **2L50K** 5000K

**3. SIZE**
- **22** 2 x 2 ft
- **14** 1 x 4 ft

**4. OPTICS & 5. CONFIGURATION**
- **G1** Sky
- **G2** Ocean Life
- **G3** Mountains
- **G4** Beach
- **CG** Custom Graphic[1]

See pages 5–8 for complete Configuration Codes

**6. FINISH**
- **W** White
- **AM** Antimicrobial White Paint
- **C** Custom Finish Specify RAL:

**7. LIGHT LEVEL / DRIVER**
- **L4** 3269 lm (2x2) 5498 lm (1x4)

**8. CIRCUITRY**
- **1** 1 Circuit

**9. MOUNTING**
- **P1** Power Over Aircraft Cable 18"
- **P2** Power Over Aircraft Cable 48"
- **P3** Power Over Aircraft Cable 60"

**10. VOLTAGE**
- **1** 120 V
- **2** 277 V
- **3** 347 V[2]
- **4** UNV (120 – 277 V)

**11. CONTROLS**
- **N** None

**12. DRIVER LOCATION**
- **R** Remote

### RECESSED

**1. SERIES**
- **SCE**

**2. COLOR TEMP**
- **2L50K** 5000K

**3. SIZE**
- **22** 2 x 2 ft
- **14** 1 x 4 ft

**4. OPTICS & 5. CONFIGURATION**
- **G1** Sky
- **G2** Ocean Life
- **G3** Mountains
- **G4** Beach
- **CG** Custom Graphic[1]

See pages 5–8 for complete Configuration Codes

**6. FINISH**
- **W** White
- **AM** Antimicrobial White Paint
- **C** Custom Finish Specify RAL:

**7. LIGHT LEVEL / DRIVER**
- **L4** 3269 lm (2x2) 5498 lm (1x4)

**8. CIRCUITRY**
- **1** 1 Circuit

**9. MOUNTING**
- **T** Recessd T-bar
- **D** Recessed Drywall

**10. VOLTAGE**
- **1** 120 V
- **2** 277 V
- **3** 347 V[2]
- **4** UNV (120 – 277 V)

**11. CONTROLS**
- **N** None

**12. DRIVER LOCATION**
- **N** None (Integral)
- **R** Remote

### SURFACE

**1. SERIES**
- **SCE**

**2. COLOR TEMP**
- **2L50K** 5000K

**3. SIZE**
- **22** 2 x 2 ft
- **14** 1 x 4 ft

**4. OPTICS & 5. CONFIGURATION**
- **G1** Sky
- **G2** Ocean Life
- **G3** Mountains
- **G4** Beach
- **CG** Custom Graphic[1]

See pages 5–8 for complete Configuration Codes

**6. FINISH**
- **W** White
- **AM** Antimicrobial White Paint
- **C** Custom Finish Specify RAL:

**7. LIGHT LEVEL / DRIVER**
- **L4** 3269 lm (2x2) 5498 lm (1x4)

**8. CIRCUITRY**
- **1** 1 Circuit

**9. MOUNTING**
- **S** Surface (Remote Driver)
- **SI** Surface Integral (Integral Driver)
- **SC** Concrete or Metal Surface (Integral Driver)

**10. VOLTAGE**
- **1** 120 V
- **2** 277 V
- **3** 347 V[2]
- **4** UNV (120 – 277 V)

**11. CONTROLS**
- **N** None

**12. DRIVER LOCATION**
- No options. Leave space empty.

***Please note Light Level Codes have been updated in accordance with UL certification standards.** | **1** Customer must provide their own high-res PDF file. | **2.** Consult factory

Select Driver:
- ☐ **FD** Factory option 0-10V, 1% Dimming
- ☐ **D2** DALI
- ☐ **LHE** Lutron H-Series Hi-lume 1% EcoSystem LED Driver
- ☐ **L5E** Lutron 5-Series EcoSystem LED Driver

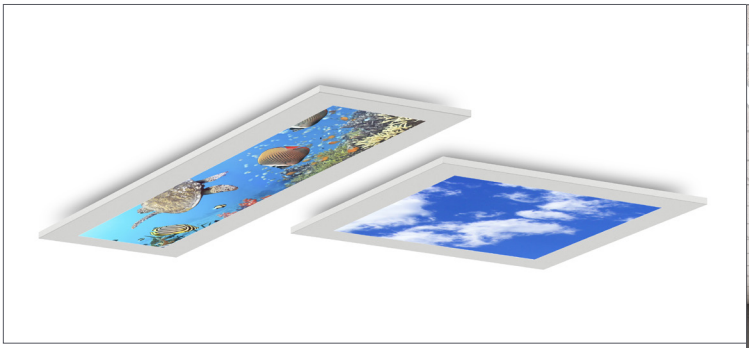
METALUMEN SPECIFICATION SHEET

# SCENE PHOTO GRAPHICS

## SCEM (MEDICAL) . LED . DIRECT

| | | |
|---|---|---|
| PART #: | | |
| PREP BY: | DATE: | |
| PROJECT: | | QTY: |
| NOTES: | | |
| APPROVAL SIGNATURE: | | DATE (DD/MM/YYYY): |

**Medilumen**™ Healthcare Lighting



- Specification grade edgelit light guide luminaire
- Four standard graphics to choose from
- Various configuration patterns
- Recessed and surface mount options
- Remote driver

5 YEAR WARRANTY | c UL us LISTED E360888 Recessed E360886 Surface | MR MRI COMPATIBLE | CCEA APPROVED CHICAGO PLENUM RECESSED | DAMP

## ORDERING LOGIC

Example Part Number: SCEM-2L50K-22-G1A-AM-L41-T-1-NN

| SCEM | 2L50K | | | AM | L4 | 1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 & 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

**1. SERIES**
**SCE**

**2. COLOR TEMP**
**2L50K** 5000K

**3. SIZE**
**22** 2 x 2 ft
**14** 1 x 4 ft

**4. OPTICS & 5. CONFIGURATION**
**G1** Sky
**G2** Ocean Life
**G3** Mountains
**G4** Beach
**CG** Custom Graphic[1]

See pages 5–8 for complete Configuration Codes

**6. FINISH**
**AM** Antimicrobial White Paint

**7. LIGHT LEVEL* / DRIVER[2]**
**L4** 3269 lm (2x2)
5498 lm (1x4)

**8. CIRCUITRY**
**1** 1 Circuit

**9. MOUNTING**
**T** Recessed T-bar
**D** Recessed Drywall
**S** Surface
Available for vertical or horizontal mounting

**10. VOLTAGE**
**1** 120 V
**2** 277 V
**3** 347 V[3]
**4** UNV
(120 – 277 V)

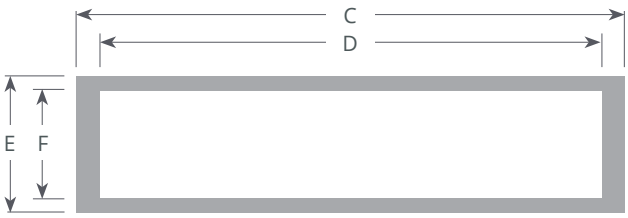
**11. CONTROLS**
**N** None

**12. OPTIONS**
**N** None
**RF** Medical Power Line Filter (Remote)

***Please note Light Level Codes have been updated in accordance with UL certification standards.** | **1** Customer must provide their own high-res PDF file. | **2** All drivers remote mounted. | **3** Consult factory.

Select Driver:
- ☐ **FD** Factory option 0-10V, 1% Dimming
- ☐ **D2** DALI
- ☐ **LHE** Lutron H-Series Hi-lume 1% EcoSystem LED Driver
- ☐ **L5E** Lutron 5-Series EcoSystem LED Driver

## DIMENSIONS

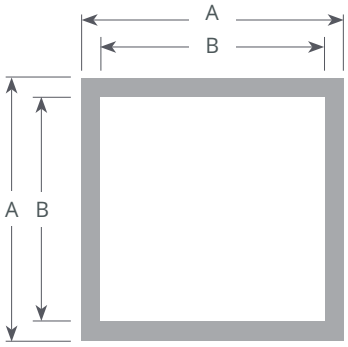



**1x4 Pendant**

C = 1241.0 [48.9]
D = 1114.4 [43.9]
E = 330.0 [13.0]
F = 203.5 [8.0]

**1x4 Recessed & Surface**

C = 1212.0 [47.7]
D = 1112.0 [43.8]
E = 301.0 [11.9]
F = 241.0 [9.5]




**2x2 Pendant**

A = 634.0 [25.0]
B = 500.0 [19.7]

**2x2 Recessed & Surface**

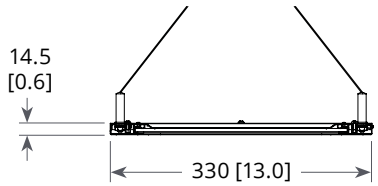
A = 602.1 [23.7]
B = 538.5 [21.2]

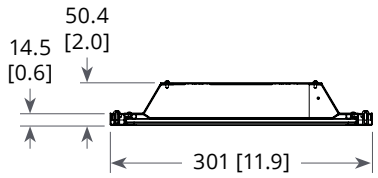
## CROSS SECTIONS

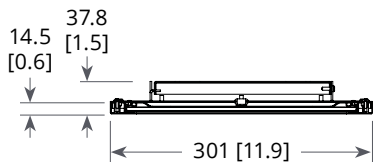
### Width & Height

Overall height will vary due to hanger/mounting components and driver boxes. More detailed cross sections are available in the standard SCENE Spec Sheets at https://www.metalumen.com/product-family/scene/

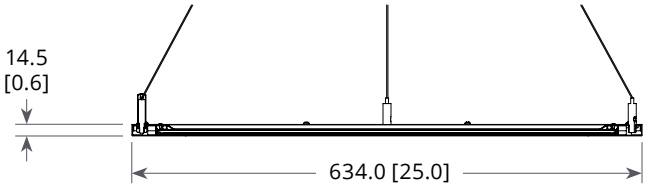
1x4

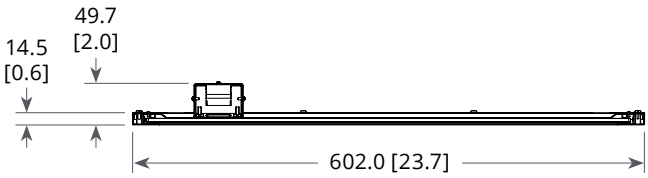


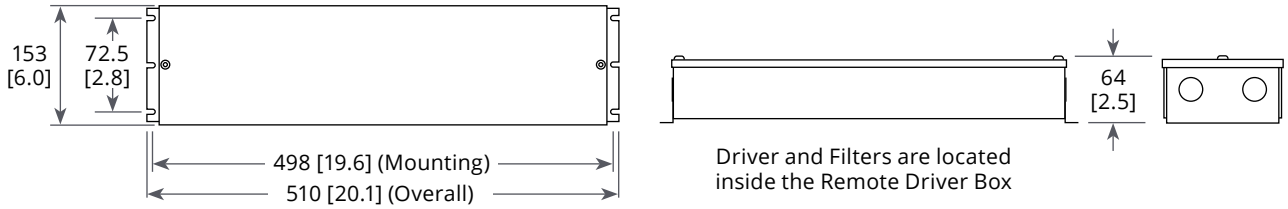




2x2



## Remote Driver Box




| Remote Driver Mounting Maximum Wire Length | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Light Level | Driver Qty. | Driver Current (mA) | Fixture Length | Distance in feet / Wire Gauge | | | | | |
| | | | | 22 Ga. | 20 Ga. | 18 Ga. | 16 Ga. | 14 Ga. | 12 Ga. |
| **L1** | 1 | 700 | 2x2 | 13 | 42 | 67 | 107 | 170 | 280 |
| **L2** | 1 | 1050 | 2x2 | 8 | 28 | 45 | 71 | 113 | 180 |
| **L3** | 1 | 1200 | 2x2 | 7 | 25 | 39 | 62 | 99 | 157 |
| **L4** | 1 | 1400 | 2x2 | 6 | 21 | 34 | 53 | 85 | 135 |

## SPECIFICATIONS

Due to the Continuous Improvement Policy at Metalumen, we reserve the right to change our specifications without notice.

**Housing:**
**SCE** - 22 gauge cold rolled steel and 20 gauge aluminum, and welded seams.
**SCEM** - 20 gauge aluminum and welded seams.
**Optical System:** The light emitted from the mid-flux LEDs is channeled inside Metalumen's AccuRay® optical plane where a precisely controlled micro dot matrix pattern directs, shapes and distributes the light throughout the material. A high performance optical reflector and diffuser further guide and extract the light with superb efficiency and beam control. Custom graphics must be provided by customer in PDF format.
**CRI:** 83+ (5000K) (80 minimum) Consult factory for 90+ CRI.
**Lumen Maintenance:** At an ambient operating temperature of 25°C the LED lifetime expectancy ≥ 60 000hrs at L70.
**Finish:** The luminaire housing and associated parts are finished in highly reflective, matte powder coat white paint (91% reflectance) or antimicrobial white paint. For custom finish, consult factory.
**Mounting:** PENDANT: Aircraft cable complete with a Quick-Grip field adjustable suspension system provides for quick and easy onsite alignment. RECESSED: Fits 9/16" and 15/16" T-Bars. Mounting brackets/clips provided. SURFACE: Mounting brackets provided.
**Drivers:** Metalumen offers dimming* drivers as a standard on our entire LED product offering at 0-10V. Dimming range is 1%-100%. Power factor is > 90%. Class 2 rating. Driver location is contingent on the product model, mounting, or an optional location selected by customer in the Ordering Logic.
**RFI Filter:** The noise suppression filter provides exceptional suppression of broadband, common mode, and differential mode noise across a wide frequency range, ensuring stable, interference-free power converter operation. Effective above 30kHz, it adapts dynamically to operational conditions, reducing harmonics and mitigating high-frequency parasitics for optimal performance. When installed, the RFI filter is placed inside a remote driver box.
**MRI RF Shielding:** All wiring entering/exiting the MRI suite shall be routed through RF-filtered penetrations by others. Metalumen is not responsible for RF shielding or system filtering.
**Approvals:** All components are UL/CSA/QPS recognized or listed. This product is cULus listed. RECESSED: Plenum - CCEA approved.
**Environment:** Suitable for dry or damp locations.

**Standard drivers compatible with passive/sinking dimmers. Please contact Metalumen if active/sourcing dimmer support is required.*

## CLEANING INSTRUCTIONS

**To clean the optics:** Gently wipe down the optics with a clean, dry cloth to remove any dust and light residues. For heavier smudges, spray clean cloth with mild soap and water solution and gently wipe optics surface.

**Warning:** Hard wiping and abrasive cloths will scratch the optics. DO NOT USE cleaning products containing alcohol or acetone which will damage the optics.

## WARRANTY

Metalumen will warrant defective luminaires for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specification. If defective, Metalumen will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Metalumen.

## PHOTO GRAPHICS & CONFIGURATION CODES | **SKY**

**G1A**

**G1C**

**G1D**

**G1B**

**G1F**

**G1G**

**G1E**

**G1H**

**G1I**

**G1J**

**G1K**

**G1L**

**G1M**

SKY CUSTOM CONFIGURATION
Consult factory for custom configurations.

## PHOTO GRAPHICS & CONFIGURATION CODES | **OCEAN LIFE**

### G2A

### G2C

### G2D

### G2B

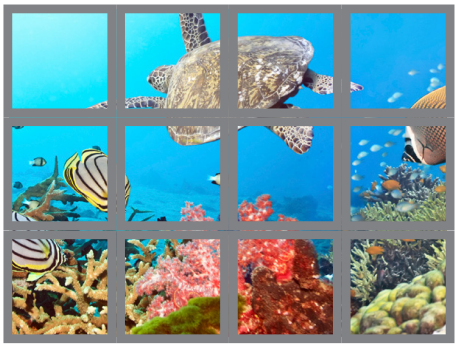
### G2F

### G2G

### G2E

### G2H

### G2I



### G2J

### G2K

### G2L

### G2M

OCEAN LIFE CUSTOM CONFIGURATION
Consult factory for custom configurations.

## PHOTO GRAPHICS & CONFIGURATION CODES | **MOUNTAINS**

**G3A**

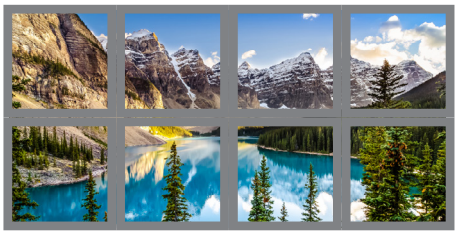
**G3C**

**G3D**

**G3B**

**G3F**

**G3G**



**G3E**

**G3H**

**G3I**

**G3J**

**G3K**

**G3L**

**G3M**

MOUNTAINS CUSTOM CONFIGURATION
Consult factory for custom configurations.

## PHOTO GRAPHICS & CONFIGURATION CODES | **BEACH**

**G4A**

**G4C**

**G4D**

**G4B**

**G4F**

**G4G**

**G4E**

**G4H**

**G4I**

**G4J**

**G4K**

**G4L**

**G4M**

BEACH CUSTOM CONFIGURATION
Consult factory for custom configurations.