SECURESEAL HC04

RECESSED . DIRECT

✚ **Medilumen™** Healthcare Lighting

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

PERFORMANCE SUMMARY @ 3500K	12	14	22	22
Light Level	L3			
Lumens	2394	5094	4934	10386
Wattage	24	48	48	97
Efficacy	99	105	102	107
L70 Estimate (h)	≥ 60,000 hrs			

See complete Light Level Performance and Photometric Data on p2
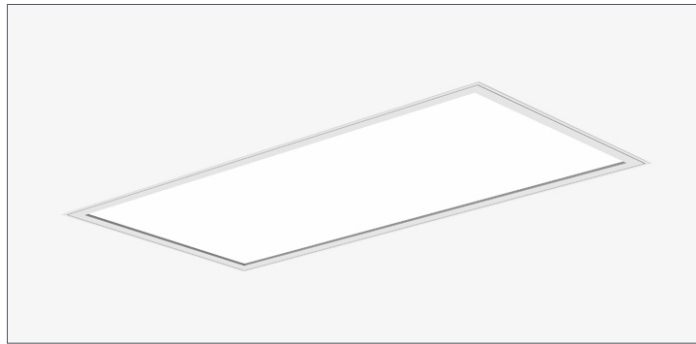
- Efficacy up to 112 LPW
- Optional antimicrobial finish
- Recessed design reduces exposed surface area for efficient cleaning
- Wet location rated & IP65 protection for resistance against water, dust, and cleaning agents
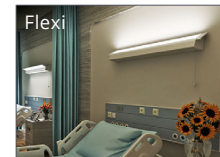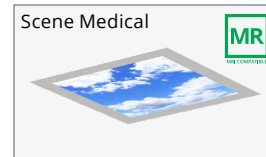- Optional 90 Color Rendering Index to meet Color Observation Index

5 YEAR WARRANTY | c(UL)us LISTED E360888 | IP65 for 2x2 and 2x4 only

OTHER MEDILUMEN PRODUCTS

Scene Medical | MR MR COMPATIBLE

Flexi

Healux 4

ORDERING LOGIC

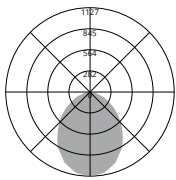Example Part Number: HC04-35K-22-M-AM-L31-D-4-90

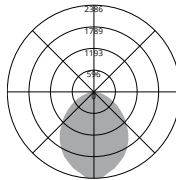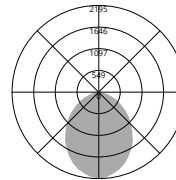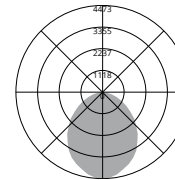| HC04										
1	2	3	4	5	6	7	8	9	10	11

1. SERIES	2. COLOR TEMP	3. LENGTH	4. OPTICS	5. MEDICAL FINISH	6. LIGHT LEVEL / DRIVER
HC04 Direct	**30K** 3000K **35K** 3500K **40K** 4000K 90 CRI is available under OPTIONS	**12** 1x2 ft **14** 1x4 ft **22** 2x2 ft **24** 2x4 ft	**M** Meta Ice (High output semi-diffuse lens See Photometric Data on p2	**MW** Medical White Powder Coat Finish **AM** Medical Antimicrobial White Powder Coat Finish	**L1** **L2** **L3** **L4** — Select Driver below. See Light Level Performance and Photometric Data on p2

7. CIRCUITRY	8. RECESSED MOUNTINGS	9. VOLTAGE	10. CONTROLS	11. OPTIONS
1 1 Circuit **EM** Emergency / Night Light **B** Emergency Battery Pack	**D** Drywall Flanged **T** T-Bar	**3** 347 V **4** UNV (120 - 277V)	**_** None (leave space empty)	**RF** RFI (Radio Frequency Interference) / EMI (Electromagnetic Interference) Filter **AL** Aluminum Body **AR** Aluminum Body with RFI/EMI Filter **90** 90 CRI, High R9 – None (leave space empty)

*Consult factory.

Select Driver: ☐ **FD** Factory option 0-10V, 1% Dimming
☐ **D2** DALI

Metalumen

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Page **1** of **3**

FILE NAME: HC04_SPEC_SHEET_20250415

LIGHT LEVEL PERFORMANCE & PHOTOMETRIC DATA

Meta Ice, 3500K, 80 CRI, 0-10V Dimming (Standard)

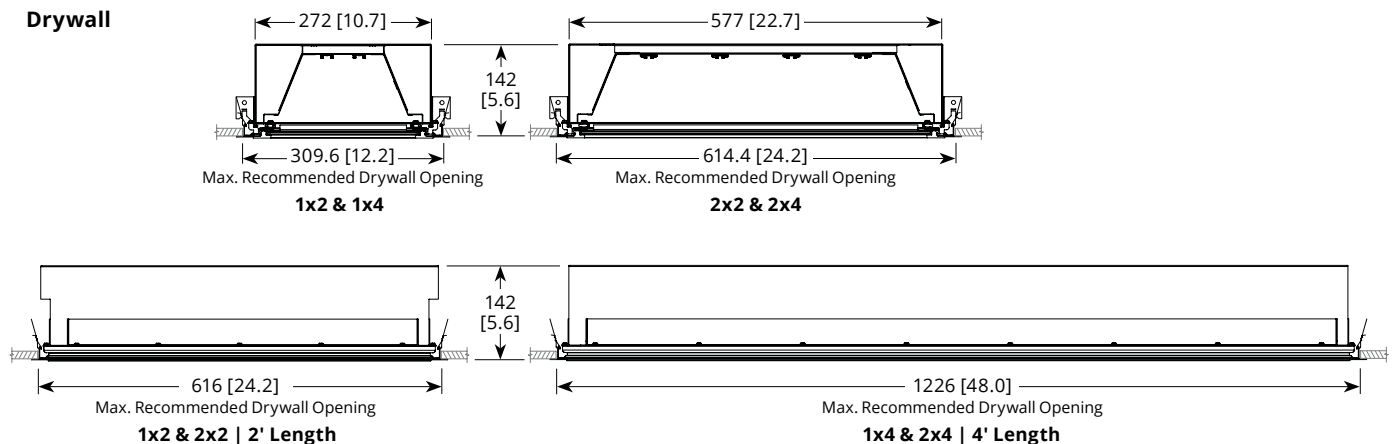|		12			14			22			24		
Light Level		Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)
L1		1429	14	103	3041	28	110	2956	28	107	6223	55	112
L2		1823	18	103	3882	35	110	3679	35	104	7746	71	109
L3		2394	24	99	5094	48	105	4934	48	102	10386	97	107
L4		4560	48	94	9711	97	101	9112	97	94	19184	195	99
Light Level **L3**	IES File	HC04-2L35K-12-M-L3			HC04-2L35K-14-M-L3			HC04-4L35K-22-M-L3			HC04-4L35K-24-M-L3		
	Distribution % (Down / Up)	100 / 0			100 / 0			100 / 0			100 / 0		
	Zonal Lumens (0–90 / 90–180)	2394 / 0			5094 / 0			4934 / 0			10386 / 0		
	Distribution Curve												
Photometric performance is measured and scaled in accordance with IESNA LM-79.													

Lumen Adjustment Factor (Standard)

Color Temp	90 CRI
3000K	0.984
3500K	1.000
4000K	1.032

Metalumen's light level performance metrics are subject to manufacturers component tolerances.

CROSS SECTIONS & LENGTHS

Drywall

272 [10.7]
142 [5.6]
309.6 [12.2]
Max. Recommended Drywall Opening
1x2 & 1x4

577 [22.7]
614.4 [24.2]
Max. Recommended Drywall Opening
2x2 & 2x4

142 [5.6]
616 [24.2]
Max. Recommended Drywall Opening
1x2 & 2x2 | 2' Length

142 [5.6]
1226 [48.0]
Max. Recommended Drywall Opening
1x4 & 2x4 | 4' Length

T-Bar

272 [10.7]
142 [5.6]
305 [12.0]
T-Bar Centers Spacing
1x2 & 1x4

577 [22.7]
142 [5.6]
614.4 [24.2]
T-Bar Centers Spacing
2x2 & 2x4

142 [5.6]
610 [24.0]
T-Bar Centers Spacing
1x2 & 2x2 | 2' Length

142 [5.6]
1219 [48.0]
T-Bar Centers Spacing
1x4 & 2x4 | 4' Length

Metalumen

SPECIFICATIONS

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

Housing: The nominal 5" deep recessed housing consists of a welded and sealed, code guage, prime cold rolled steel body and end plates. The end plates are securely welded and completely sealed and gasketed for air-tight and water-tight construction. Extruded aluminum door frame and flange.

Optical System: Metalumen luminaires are designed to utilize leading edge LED technology combined with luminaire optimized reflectors and our custom diffusers, resulting in industry leading optical performance.

CRI: 84 (4000K) (80 minimum)

Lumen Maintenance: At an ambient operating temperature of 35°C the LED lifetime expectancy ≥ 60 000hrs at L86.

Finish: White matte 15% low gloss high reflectance white or antimicrobial white paint are available finishes.

Mounting: Suitable for 9/16" & 15/16" T-Bars, maximum height 1.5". Mounting brackets provided.

Electrical: Factory prewired with easy wire quick connect sections.

Driver: Metalumen offers 0-10V dimming* as a standard on our entire LED product offering. Dimming range is 1%-100%. Power factor is > 90%. Class 2 rating.

Approvals: All components are UL/CSA/QPS recognized or listed. RoHS compliant. IP65 rating applicable to sizes 2x2 and 2x4 only.

Environment:
1x2, 1x4 - Suitable for dry locations.
2x4, 2x2 - Suitable for dry and wet locations.

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

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.

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Page **3** of **3**

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