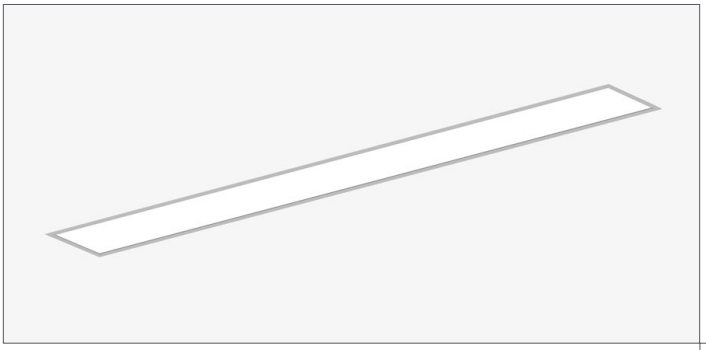
HEALUX 6 HC6D

RECESSED . DIRECT . DAMP LOCATION

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

Medilumen™ Healthcare Lighting



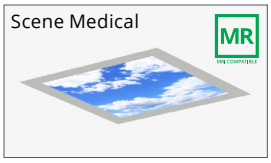
PERFORMANCE SUMMARY @ 3500K		Meta Blanc (**MB**)
		Light Level **L3**
Lumens per foot	80 CRI	608
	90 CRI	532
Wattage per foot		6.1
Efficacy (LPW)	80 CRI	100
	90 CRI	87
L70 Estimate (h)		≥ 60,000 hrs

See page 2 for the complete Light Level Performance chart.

- **Medical antimicrobial powder coat paint enhances infection control**
- Standard **90 Color Rendering Index** to meet Color Observation Index
- T-bar mount is compatible with TechZone
- Integral drivers
- Option for daylight harvesting, occupancy sensing , dimming control and emergency lighting

5 YEAR WARRANTY · cULus LISTED E360888 · IC or Non-IC Rated · DAMP · INTELLIGENT

OTHER MEDILUMEN PRODUCTS







ORDERING LOGIC

Example Part Number: HC6D-35K-8-MB-MW-L31-D-3-DW-RF-EO

HC6D													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

1. SERIES
HC6D

2. COLOR TEMP
30K 3000K
35K 3500K
40K 4000K

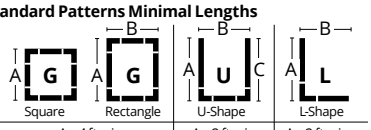
90 CRI is standard

3. LENGTH
2 2 ft
3 3 ft
4 4 ft
5 5 ft
6 6 ft
7 7 ft
8 8 ft
9 9 ft
10 10 ft
11 11 ft
12 12 ft
RA Continuous Rows Replace "A" with length in feet
C Custom Length*
– None (leave space empty)

4. PATTERN [1]
GA Square
GAx**B** Rectangle
UAx**B**x**C** U-Shape
LAx**B** L-Shape
C Custom Pattern*
_ None (leave space empty)

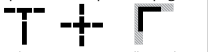
Replace "A", "B", "C" with length in feet. See minimum lengths below

Standard Patterns Minimal Lengths

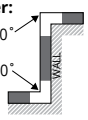


A = 4 ft min. B = 4 ft min. | A = 3 ft min. B = 4 ft min. C = 3 ft min. | A = 3 ft min. B = 3 ft min.

Custom Patterns*
Lengths and a drawing of custom pattern are required on page 3



Select corner:
☐ Outside 90°
☐ Inside 90°



5. OPTICS
MB Meta Blanc

MB: Opal diffuse lens

6. MEDICAL GRADE FINISH
MW White Powder Coat
AM Antimicrobial White Powder Coat
MC Custom Specify RAL:

7. LIGHT LEVEL / DRIVER
L1
L2
L3
L4
Select Driver below. See Light Level Performance chart on p2.

LX Enter desired lm/ft:
(Total lumens between 1500-4500 at 50 lm intervals)

8. CIRCUITRY
1 1 Circuit
EM Emergency / Night Light
B Emergency Battery Pack [2]

9. MOUNTING
D Drywall Flanged
DF Drywall Flangeless (Threaded Rod)
SC Specialty Ceiling (Threaded Rod Flanged)
T T-bar (Techzone compatible, Suitable for 15/16" & 9/16" T-bar)

10. VOLTAGE
3 347 V
4 UNV (120 - 277V)

11. SENSORS / 12. CONTROLS
Tap to view **Sensors and Controls Reference Guide**

13. OPTIONS
RF Medical Power Line Filter
_ None (leave space empty)

14. GASKET OPTIONS
EO Enhanced Sealed Optics
_ None (leave space empty)

* Consult factory. | [1] Pattern record drawings showing mounting locations will be sent out upon order. | [2] Battery operates 4ft sections only.

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

LIGHT LEVEL PERFORMANCE & PHOTOMETRIC DATA

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

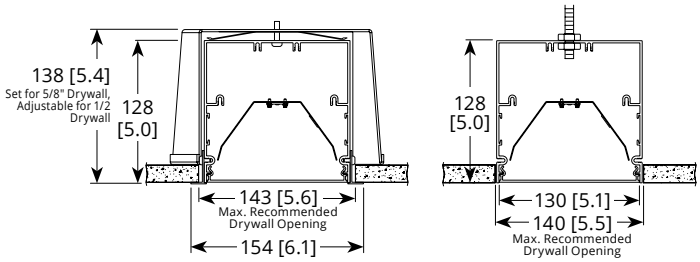
Optics	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens (Up / Down)	Distribution % (Up / Down)	Distribution Curve
Meta Blanc (**MB**)	369	3.5	105	0 / 1476	0 / 100	
	456	4.4	104	0 / 1824		
	608	6.1	100	0 / 2045		
	1119	12.5	89	0 / 3116		

Lumen Adjustment Factor (3000K / 3500K / 4000K):
80 CRI: 0.984 / 1.000 / 1.032 | **90 CRI**: 0.880 / 0.875 / 0.879

Metalumen's light level performance metrics are subject to manufacturers component tolerances. Photometric performance is measured and scaled in accordance with IESNA LM-79.

CROSS SECTIONS

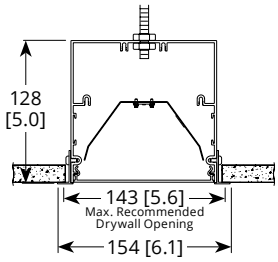
Drywall



Flanged

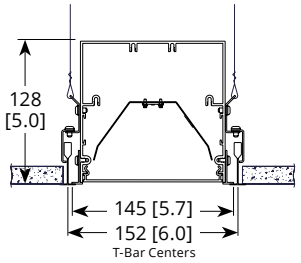
Flangeless (Threaded Rod)

Specialty Ceiling



Threaded Rod Flanged

T-bar



TechZone Compatible,
Fits 15/16" and 9/16" T-bars

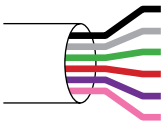
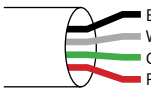
SPECIFICATIONS

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

Housing: Rigid extruded aluminum body, 2.0mm (0.08") nominal wall thickness. Aluminum end caps.
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: 83+ for 3500K, 80 minimum for all CCTs in standard configurations.
Lumen Maintenance: Minimum 50,000h with TM-21 lumen maintenance of 85% @ 25°C ambient temperature (calculated based on IESNA LM-80-08 LED test data). L70: ≥60,000hrs.
Finish: Standard medical grade powder coat finish in white and antimicrobial white. Exceeds 4000 salt spray hours (ASTM B117). For custom medical finishes, contact factory.
Weight: 1.7 kg/300mm [3.8 lb/ft]
Mounting: ***Drywall Flanged:*** Mounting brackets provided. ***Drywall Flangeless & Specialty Ceiling*** - Holes on extrusion for threaded rods (by others). ***T-bar:*** Optimized to fit 15/16" T-bar. Will fit most 9/16" T-bars. TechZone compatible.
Electrical: Factory prewired with easy wire quick connect sections.
Drivers: 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. Drivers are integral.
Medical Power Line Filter: Suppresses electrical noise across a wide frequency range to reduce electromagnetic interference (EMI).
Approvals: All components are UL/CSA/QPS recognized or listed. RoHS compliant. This product is cULus listed.
Environment: Suitable for dry or damp locations.

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

WIRING

Standard	Emergency / Night Light	Emergency Battery Pack
 BLACK - LINE WHITE - NEUTRAL GREEN - GROUND RED - CAPPED/SW LEAD VIOLET - DIM(+) PINK - DIM(-)	 BLACK - LINE WHITE - NEUTRAL GREEN - GROUND RED - CAP OFF	 BLACK - LINE WHITE - NEUTRAL GREEN - GROUND RED - UNSWITCHED HOT

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.

CONTINUOUS ROWS - DRYWALL (FLANGED)

Step 1) Indicate desired quantity of rows under the QTY column

Step 2) Pods If applicable, select pod(s) per row to indicate desired Emergency Lighting/Night Light/Battery Location. If a similar row requires a different Emergency lighting location, please fill out another sheet.

Record drawings for rows not represented here will be sent out upon order.

QTY	Nominal Length	Run Length Overall	Max. Recommended Length Drywall Opening (Max. Rec. Width = 105 mm)	Alone / Start Length	Mid Length(s)	End Length
	4'	1243 [48.9]	1232 [48.5]	4		
	8'	2462 [96.9]	2451 [96.5]	8		
	12'	3682 [145.0]	3671 [144.6]	12		
	16'	4900 [192.9]	4890 [192.5]	8		8
	20'	6120 [241.0]	6110 [240.5]	12		8
	24'	7340 [289.0]	7330 [288.6]	12		12
	28'	8558 [336.9]	8548 [336.5]	8	12	8
	32'	9778 [385.0]	9768 [384.6]	12	8	12
	36'	10998 [433.0]	10988 [432.6]	12	12	12
	40'	12216 [481.0]	12206 [480.6]	12	8, 8	12
	44'	13436 [529.0]	13426 [528.6]	12	12, 8	12
	48'	14656 [577.0]	14646 [576.6]	12	12, 12	12

ROWS IN PLAN VIEW

Rows are for demonstration purposes only and are not to scale.

1221 [48.1]

2440 [96.1]

3660 [144.1]

4878 [192.0]

6098 [240.1]

7318 [288.1]

8536 [336.1]

9756 [384.1]

10976 [432.1]

12194 [480.1]

13414 [528.1]

14634 [576.1]

LEGEND

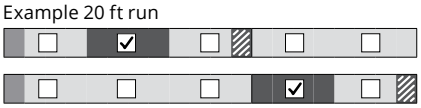
- Standard Wire Entry Location (located on the end cap)
- Emergency (EM) / Night Light Location (4 ft sections)
- EM or Battery Wire Entry Location (EM wire entry is on the end cap)

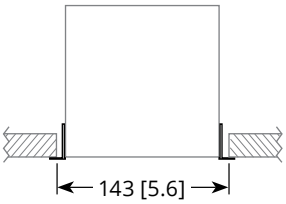
A

A = Run Length (Body)

EM / Night Light and EM or Battery Wire Entry location in relation to pod selections:

Example 20 ft run





Max. Recommended Width Drywall Opening

CONTINUOUS ROWS - DRYWALL FLANGELESS

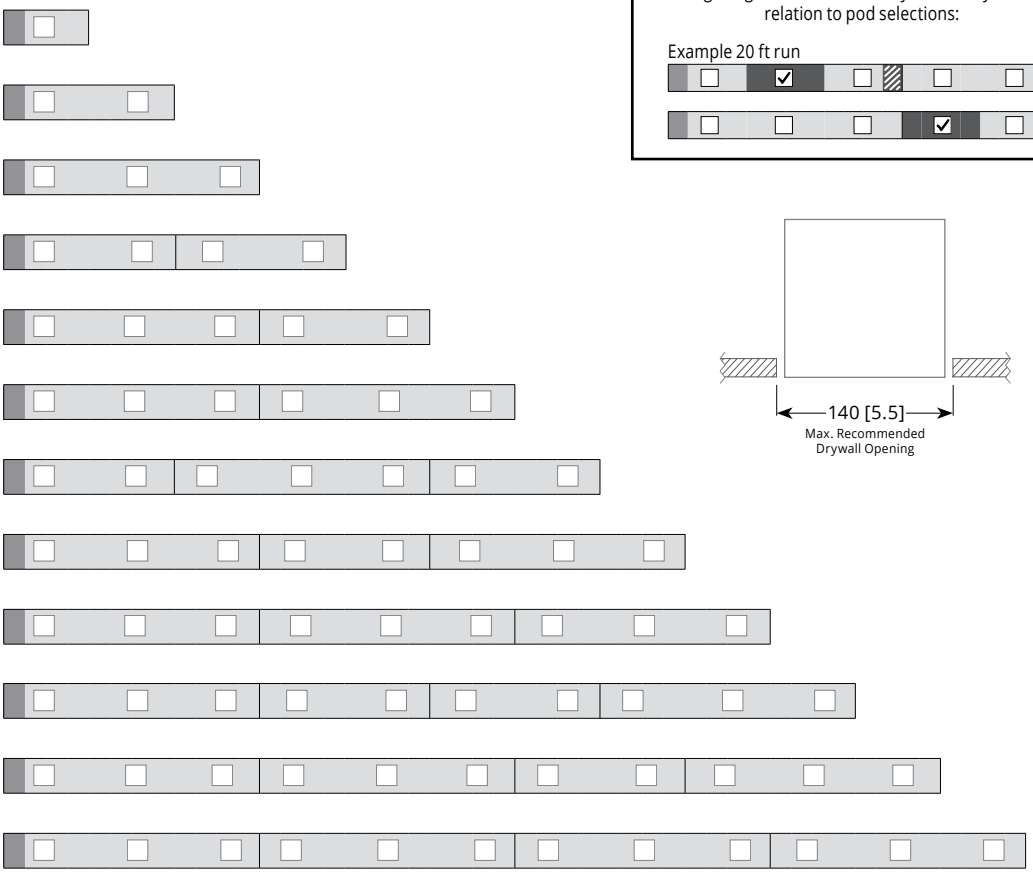
Step 1) Indicate desired quantity of rows under the QTY column
Step 2) ☐← Pods →☐ If applicable, select pod(s) per row to indicate desired Emergency Lighting/Night Light/Battery Location. If a similar row requires a different Emergency lighting location, please fill out another sheet.

Record drawings for rows not represented here will be sent out upon order.

QTY	Nominal Length	Run Length Overall	Alone / Start Length	Mid Length(s)	End Length
____	**4′**	1223 [48.1]	4		
____	**8′**	2442 [96.1]	8		
____	**12′**	3662 [144.2]	12		
____	**16′**	4880 [192.1]	8		8
____	**20′**	6100 [240.2]	12		8
____	**24′**	7320 [288.2]	12		12
____	**28′**	8538 [336.1]	8	12	8
____	**32′**	9758 [384.2]	12	8	12
____	**36′**	10978 [432.2]	12	12	12
____	**40′**	12196 [480.2]	12	8, 8	12
____	**44′**	13416 [528.2]	12	12, 8	12
____	**48′**	14636 [576.2]	12	12, 12	12

ROWS IN PLAN VIEW

Rows are for demonstration purposes only and are not to scale.



LEGEND

- Standard (STD) Wire Entry Location (located 52mm from end on top of fixture)
- Emergency (EM) / Night Light Location (4 ft sections)
- EM or Battery Wire Entry Location (located 52mm from end on top of fixture)

EM / Night Light and EM or Battery Wire Entry location in relation to pod selections:

Example 20 ft run

CONTINUOUS ROWS - T-BAR

Step 1) Indicate desired quantity of rows under the QTY column

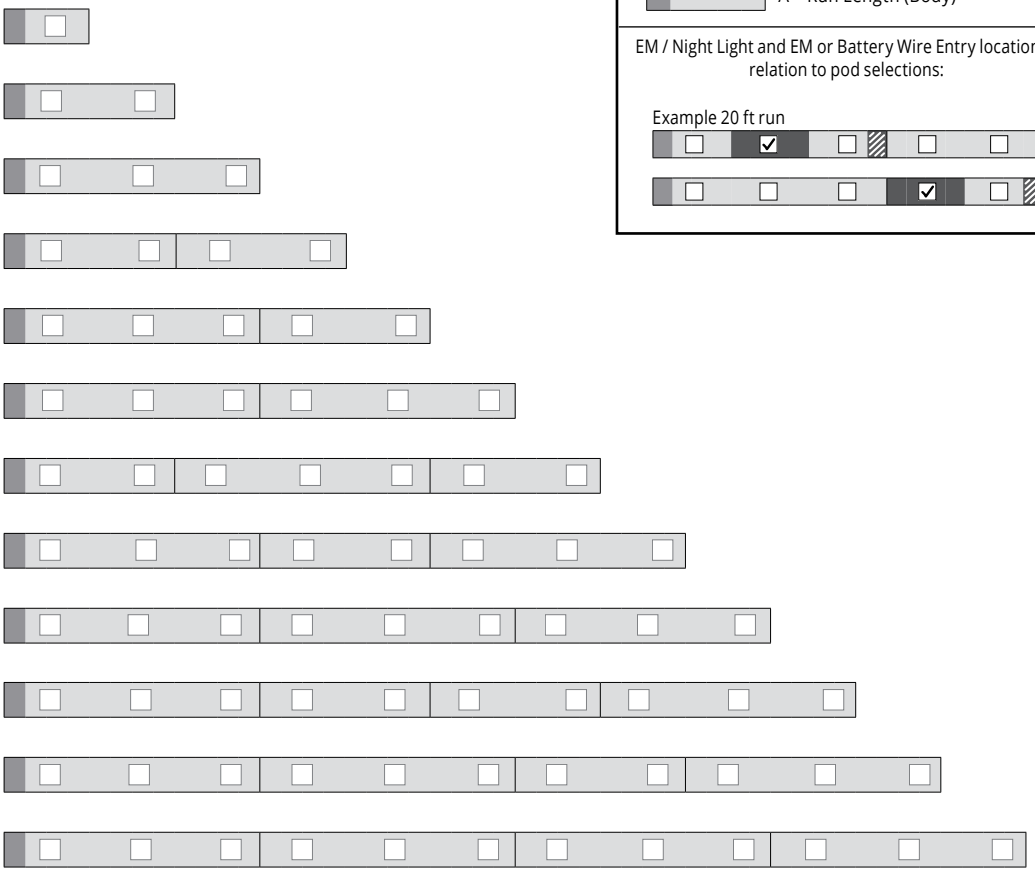
Step 2) Pods If applicable, select pod(s) per row to indicate desired Emergency Lighting/Night Light/Battery Location. If a similar row requires a different Emergency lighting location, please fill out another sheet.

Record drawings for rows not represented here will be sent out upon order.

QTY	Nominal Length	Run Length Overall	Alone / Start Length	Mid Length(s)	End Length
	4′	For 4' T-bar Centers	4		
	8′	For 8' T-bar Centers	8		
	12′	For 12' T-bar Centers	12		
	16′	For 16' T-bar Centers	8		8
	20′	For 20' T-bar Centers	12		8
	24′	For 24' T-bar Centers	12		12
	28′	For 28' T-bar Centers	8	12	8
	32′	For 32' T-bar Centers	12	8	12
	36′	For 36' T-bar Centers	12	12	12
	40′	For 40' T-bar Centers	12	8, 8	12
	44′	For 44' T-bar Centers	12	12, 8	12
	48′	For 48' T-bar Centers	12	12, 12	12

ROWS IN PLAN VIEW

Rows are for demonstration purposes only and are not to scale.



LEGEND

- Standard (STD) Wire Entry Location (located on the end cap)
- Emergency (EM) / Night Light Location (4 ft sections)
- EM or Battery Wire Entry Location (EM wire entry is on the end cap)

A

A = Run Length (Body)

EM / Night Light and EM or Battery Wire Entry location in relation to pod selections:

Example 20 ft run