METALUMEN SPECIFICATION SHEET

CAMIA CARE™

BL4E | EXAM DUO (+ READING)

BED LIGHT . RECESSED . DIRECT

Medilumen™ Healthcare Lighting

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

PERFORMANCE SNAPSHOT at 3500K, 90 CRI

	Exam
	E100
Lumens per foot	1026
Wattage per foot	9
Efficacy (LPW)	108
L70 Estimate (h)	≥ 60,000 hrs

See complete Light Level Performance and Photometric Data on p2

- **Exam** dual bed light system with optional **reading light**
- **3.6–inch wide** aperture for optimal exam illumination
- Flush recessed mounting for **easy wipe-down**
- Optional **antimicrobial** white finish for enhanced infection control

5 YEAR WARRANTY | cULus LISTED E360888 | LUMA OPTICS

OTHER MEDILUMEN PRODUCTS

Rail 4 Bed Light **RM4DI**

Healux **HC4WD**

Flexi **BLD**

ORDERING LOGIC

Example Part Number: BL4E-35-G64-BA-MW-E120RN-1-D-4-N-N-RF

BL4E						E	R						
1	2	3	4	5	6	7		8	9	10	11	12	13

1. SERIES
BL4E
Dual Bed Light, Exam + Reading, Direct

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

90 CRI is standard

3. LENGTH
3 3 ft
4 4 ft
5 5 ft
6 6 ft
_ None (leave empty)

4. PATTERN[1]
G64 6x4 ft Square Shape
U646 6x4x6 ft U-Shape
_ None (leave empty)

5. OPTICS
MB Meta Blanc
LA Luma Asymmetric
LS Luma Span
BA Bed Asymmetric

MB: Opal diffuse lens
LA, LS, BA: Optical control lens

6. FINISH
MW Medical White Powder Coat Finish
AM Antimicrobial White Powder Coat Finish
MC Custom Finish Specify RAL: ____

7. LIGHT LEVEL / DRIVER

EXAM			READING (OPTIONAL)	
E	**100**	1000 lm/ft (2000 each, 8000 total)	**R**	**N** None
E	**120**	1200 lm/ft	**R**	**7535** 750 lm/ft, Reading (3500K)
E	**135**	1350 lm/ft	**R**	**7540** 750 lm/ft, Reading (4000K)
E	**150**	1500 lm/ft	**R**	**10035** 1000 lm/ft, Reading (3500K)
			R	**10040** 1000 lm/ft, Reading (4000K)

Select Driver below. See Light Level Performance & Photometric Data chart on next page.

8. CIRCUITRY
1 Circuit
EM Emergency / Night Light (EML / EMR)
B Battery Pack (BL / BR)

9. RECESSED MOUNTINGS
D Drywall Flanged
DF Drywall Flangeless
K Drywall Spackle Flange
T T-Bar
TG Tegular 15/16"
TG9 Tegular 9/16"
TGS Slot Screw for T-bar

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

11. CONTROLS
N None
V Low Voltage Controller*
D4 Dali

12. DRIVER LOCATION
N None (Mounted Integral)
R Remote Driver Box

13. OPTIONS
N None
RF Medical Power Line Filter

*Consult factory. Not available for 347V | [1]Pattern record drawings showing mounting locations will be sent out upon order.

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

570 Southgate Drive, Guelph, Ontario N1G 4P6
Mailing Address: P.O. Box 1779 Guelph, Ontario, N1H 6Z9
1.800.621.6785 | T 519.822.4381 | www.metalumen.com

LIGHT LEVEL PERFORMANCE & PHOTOMETRIC DATA

3500K, 90 CRI, 0-10V Dimming (Standard)

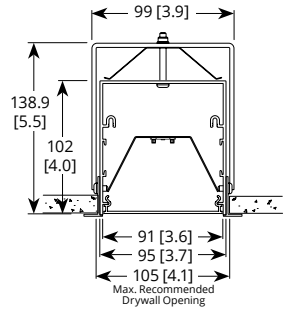
		Light Levels			Lumens per foot	Wattage per foot	Efficacy (LPW)	Distribution Curves
		Exam (lm/ft)	Reading (lm)	Order Logic Code				
MB - Meta Blanc		1000	–	**E100**	1106	12.5	89	Meta Blanc
LA - Luma Asymmetric		1200	–	**E120**	1325	11.9	112	
LS - Luma Span		1200	–	**E120**	1277	11.8	108	
BA - Bed Asymmetric	Exam	1000	–	**E100**	1026	9	108	Luma Asymmetric
		1200	–	**E120**	1243	12	104	
		1350	–	**E135**	1408	14	102	
		1500	–	**E150**	1528	15	99	
	Reading	–	750	**R7535**	Consult factory			Luma Span
		–	1000	**R10035**				
	Exam + Reading	1000	750	**E100R7535**				
		1200	750	**E120R7535**				
		1350	750	**E135R7535**				Bed Asymmetric
		1500	750	**E150R7535**				
		1000	1000	**E100R10035**				
		1200	1000	**E120R10035**				
		1350	1000	**E135R10035**				
		1500	1000	**E150R10035**				

Lumen Adjustment Factor (3000K / 3500K / 4000K): **90 CRI**: 0.984 / 1.000 / 1.032

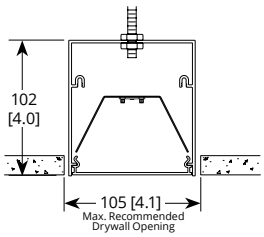
Metalumen's light level performance metrics are subject to manufacturers component tolerances. Photometric performance is measured and scaled in accordance with IESNA LM-79.

CROSS SECTIONS

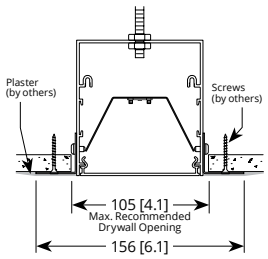
Drywall



Flanged

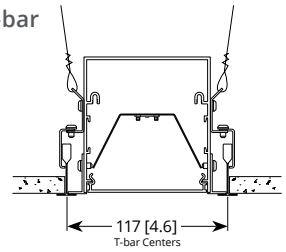


Flangeless (Threaded Rod)



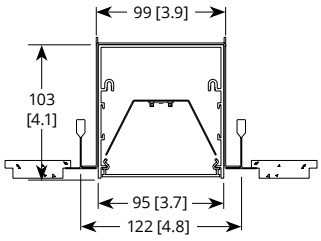
Spackle Flange

T-bar

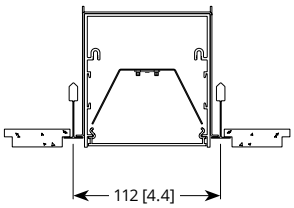


Fits 15/16" and 9/16" T-bars

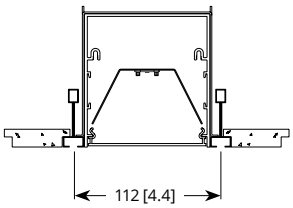
Tegular



15/16" Tegular



9/16" Tegular



Screw Slot T-bar

SPECIFICATIONS

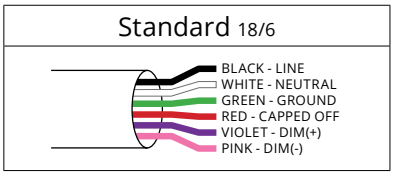
Due to the Continuous Improvement Policy at Metalumen, we reserve the right to change our specifications without notice.

Housing: Rigid extruded aluminum body, 2.0mm (0.08") nominal wall thickness.
Endcaps: ***Flanged:*** Aluminum. ***Flangeless:*** Zinc alloy die-cast.
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: 90+ for 3500K, 90 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: 1.3 kg/300 mm [2.9 lb/ft]
Mounting: ***Flanged*** - Mounting brackets provided. ***Flangeless*** - Holes on extrusion for threaded rods (by others). ***T-bar*** - Mounting brackets/ clips provided. Fits 9/16" and 15/16" T-bar. ***Tegular*** - Mounting brackets/ clips provided.
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.
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.*

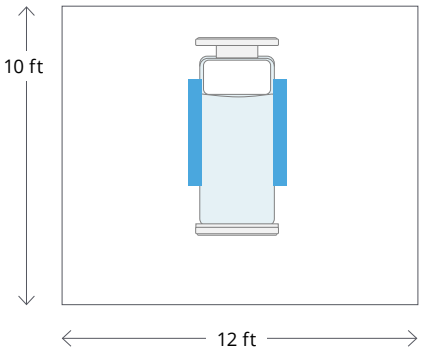
WIRING



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.

TYPICAL PATIENT ROOM APPLICATION

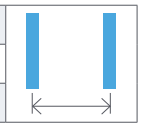


Room Size: 12 ft x 10 ft
Ceiling Height: 9 ft

Reflectances: 80–70–20
Level on the bed: 3.5 ft AFF

Centre-to-centre fixture spacing recommendations:

Mode	Minimum	Maximum
Exam	2 ft. 4 in.	4 ft. 4 in.
With Reading	2 ft. 4 in.	–



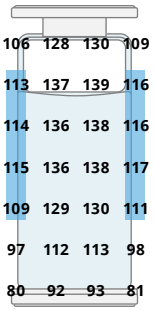
Bed Surface Performance Summary

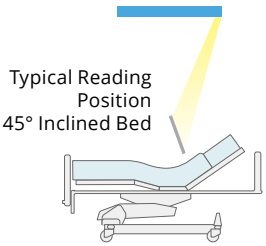
Mode	Units	Avg	Max	Min	Avg/Min	Max/Min
Exam	Fc	115.46	139	80	1.44	1.74

BED SURFACE ILLUMINANCE (Fc)

Exam

Provides focused, asymmetric illumination for patient assessment and clinical procedures.



Optional Reading Light

Dedicated patient reading illumination with independent control.