

CM1887-W HARMONY™

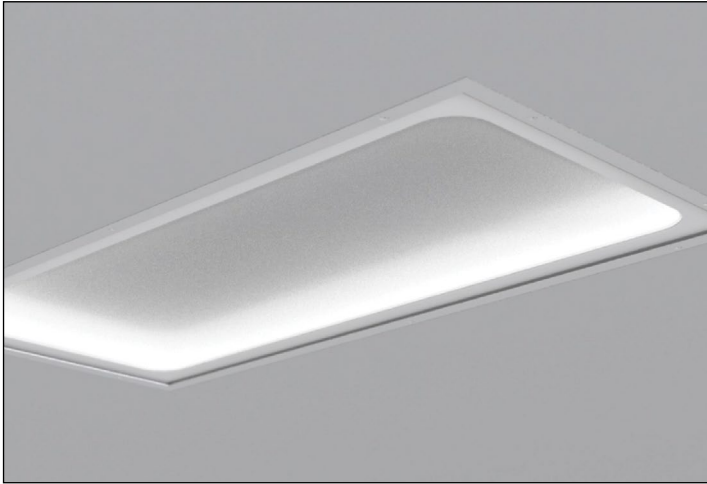
US Patent pending

2' x 4' Behavioral Health/High Abuse, Overbed

US Patent D1,065,646

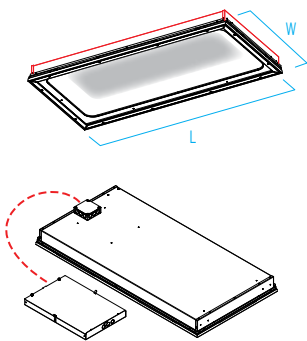
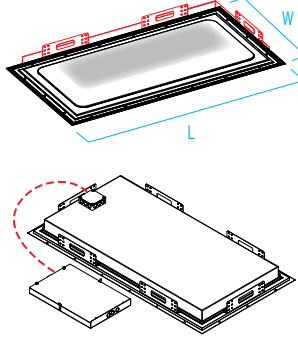
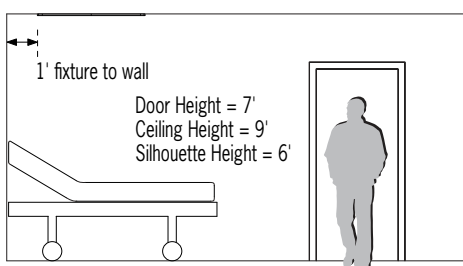

VisaLighting.com/products/Harmony

Type: _____ Project: _____ Location: _____

**DIMENSIONS**

W = Width L = Length WT = Weight

W	23-3/4" (603 mm)
L	47-3/4" (1213 mm)
WT (Housing)	18 lbs (8165 gm)
WT (Driver Box)	< 7lbs (<3175 gm)

BHGrid Installation**BHSRI Installation****RELATIVE SCALE DRAWING****FEATURES**

- BAA (Buy American Act) and BABA (Build American, Buy America) compliant
- Ambient, Reading and Exam modes standard
- The 2-circuit (2C) option features separate ambient and reading functions. Turn both functions on to enable IES RP-29 compliant exam lighting
- The 3-circuit (3C) option adds a third source enabling high-output exam lighting when used in conjunction with ambient and reading functions
- High abuse ceiling grid installation is standard (BHGrid)
- Impact tests performed exceed 100 joules over multiple impacts and include ligature resistance testing after each impact (this testing regimen exceeds IK10+ rating requirements)
- High abuse lens and frame features 3/16" thick, high impact clear polycarbonate with anti-scratch coating secured with tamper resistant fasteners
- Ligature resistant; sheetrock/drywall installation (see [Installation Instructions](#)), not suited for grid ceiling installation
- Driver mounted remotely in a separate enclosure; must be remote mounted
- Optional low voltage patient control (LVPC-DIM) switching interface for pillow speaker/nurse call systems; interface pre-wired to drivers at factory. See wiring diagrams on page 4 for more information
- Low output Amber LED (NGT) option to minimize patient disturbance during non-daylight hours
- Shallow recessed depth minimizes interference with systems within ceiling plenum
- Diffuser: one piece vacuum formed high transmittance matte white acrylic
- Housing: 14-gauge aluminum body coated in high-reflectance white paint
- Front Bezel: one piece 14-gauge aluminum powder coated in matte white
- Finish: all powder-coated surfaces utilize antimicrobial paint (no VOC)
- Room side of unit is Certified IP65, BHSRI(IP65) installation option only
- BHSRI(IP65) installation option contains extra lens gasket
- Suitable for restricted air flow applications. See [Installation Instructions](#) for more information
- (2C) option is TYPE IC (suitable for Insulation Contact)
- (3C) option is TYPE NON-IC
- ETL listed for damp locations. Not suitable for exterior applications



Compliant



IP65 Certified



ETL Listed



5 Year Warranty

CM1887-W HARMONY (cont.)

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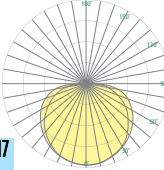

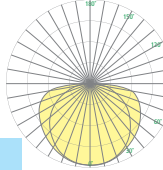

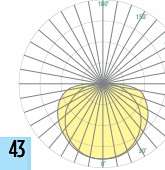

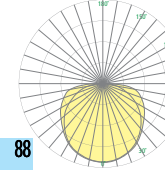



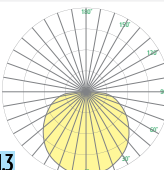

EXAMPLE: CM1887-W-L35K-(3C)-120V-BHSRI-LVPC(DIM)-NGT

CM1887-W				
MODEL	CCT	CIRCUITS-VOLTAGE	INSTALLATION	OPTION(S)
	L30K 3000K L35K 3500K L40K 4000K CCT will match for all functions	(2C)-MVOLT AMBIENT & READING circuits included. Both circuits on at same time for EXAM function (3C)-120V AMBIENT & READING circuits plus 3rd circuit included. All 3 circuits on at same time for HIGH EXAM function. Voltage is 120V (3C)-277V AMBIENT & READING circuits plus 3rd circuit included. All 3 circuits on at same time for HIGH EXAM function. Voltage is 277V Ambient and Reading functions dimmable 0-10V to 1%	BHGRID BH Casing for standard Plenum Ceiling BHSRI BH Casing for Hard Ceiling BHSRI(IP65) BH Casing for Hard Ceiling, IP65	CP Chicago Plenum certified LVPC(DIM) Low voltage patient control interface (3 load with dimming) requires minimum of 1 switch per zone (by others). Interface is prewired at factory NGT Low Output Amber LED; Separate circuit

BED ILLUMINANCE ^{1, 2}

Requires (3C) Option

AMBIENT ⁴	READING ^{3, 4}	EXAM ⁴ Ambient + Reading Circuit	HIGH EXAM ⁴ Ambient + Reading + 3rd Circuit
20fc Average Avg/Min = 1.25 3250lm Delivered 37W Input 89 LPW  	33fc Average Avg/Min = 1.13 4950lm Delivered 62W Input 80 LPW  	50fc Average Avg/Min = 1.28 8250lm Delivered 99W Input 84 LPW  	100fc Average Avg/Min = 1.29 15,700lm Delivered 178W Input 88 LPW  
17 18 18 18 18 17 18 19 19 19 19 19 20 21 21 21 21 20 22 22 22 22 22 22 22 23 23 23 23 22 22 23 23 23 23 22 22 22 23 23 22 22 21 22 22 22 22 21 20 20 21 20 20 20 18 19 19 19 19 18 17 17 17 17 17 17 16 16 16 16 16 16	32 33 34 33 33 32 33 34 35 35 34 34 33 34 35 35 34 33 33 33 34 34 33 33 31 32 33 33 32 32 29 30 31 30 30 30	43 44 45 45 44 43 46 47 48 48 47 46 50 52 53 53 52 51 54 55 56 56 55 54 56 57 58 58 57 56 56 57 58 58 57 56 55 56 57 57 56 55 53 54 55 54 54 53 49 50 51 51 50 49 45 46 47 47 46 45 41 42 43 42 42 41 39 39 40 40 40 39	86 88 90 91 89 88 93 95 97 97 96 94 102 104 107 107 105 103 108 111 113 113 111 109 113 115 118 117 115 113 113 115 117 117 115 113 110 113 115 115 113 111 106 109 111 110 108 107 99 101 103 103 101 99 91 93 95 95 93 92 83 84 86 86 84 83 78 79 80 81 79 78

NGT FUNCTION
1.5fc Average Avg/Min = 1.28 240lm Delivered 7W Input  
1.3 1.3 1.4 1.4 1.4 1.3 1.4 1.4 1.5 1.5 1.5 1.4 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.8 1.8 1.7 1.7 1.7 1.7 1.8 1.8 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.6 1.6 1.7 1.7 1.6 1.6 1.5 1.5 1.6 1.6 1.5 1.5 1.4 1.4 1.5 1.4 1.4 1.4 1.3 1.3 1.3 1.3 1.3 1.3 1.2 1.2 1.2 1.2 1.2 1.2

NOTES

¹ Values listed are for L35K CCT for all functions except NGT
Multiply by:
1.01 for L40K
0.97 for L30K

² Values are average maintained illuminance on standard twin XL bed at 3ft AFF, with fixture mounted on 9ft AFF and centered over bed with headwall side of fixture 1ft from head of bed. Room used for calculations is 12ft wide by 15ft long with 80/50/20 ceiling/wall/floor reflectances and head of bed centered on 15ft wall. LLF=0.85 used for all values.

³ Across the full width of the bed surface and 2ft from the head of the bed to 2ft from the foot of the bed

⁴ Lumen Maintenance Rating for white LED sources: L85 (Reported) > 60,000 hrs; per IES TM-21

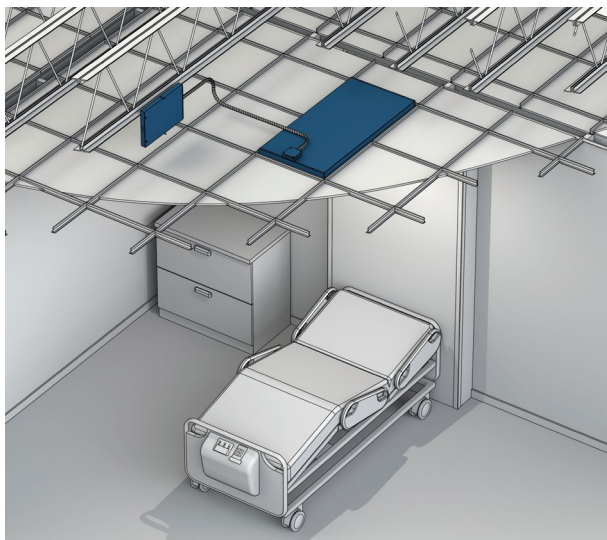
CM1887-W HARMONY (cont.)

2' x 4' Behavioral Health/High Abuse, Overbed

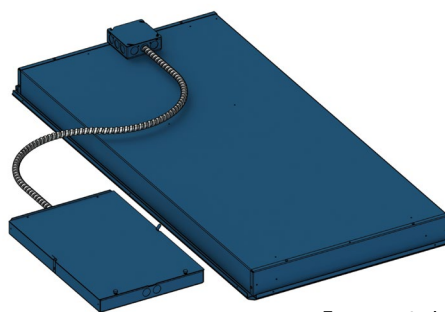
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REMOTE DRIVER



The slim Remote Driver compartment must be mounted in remote locations such as corridors and wiring closets on the floor or wing of the facility using low voltage wiring.

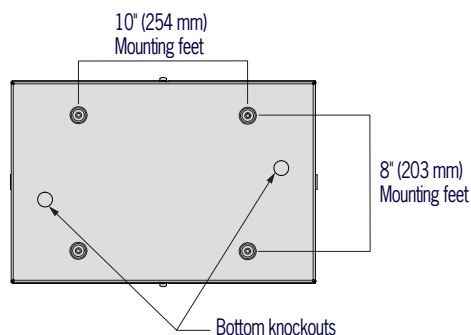
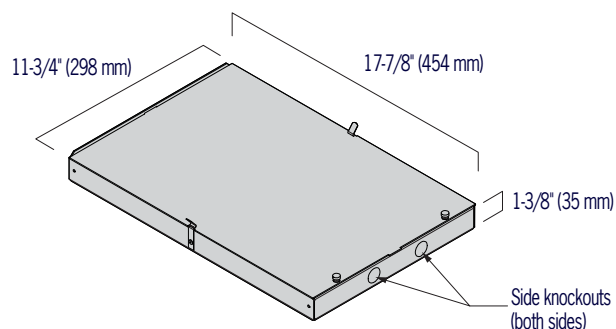


Top mounted 4x4 J-box included with remote driver
Wiring between remote box and fixture by others

Maximum Recommended
Remote Wiring
Distance from Remote
Driver to Fixture Connection

	2C	3C
10AWG	375 ft	325 ft
12AWG	250 ft	200 ft
14AWG	150 ft	125 ft
16AWG	75 ft	75 ft
18AWG	50 ft	50 ft
20AWG	25 ft	25 ft

REMOTE DRIVER BOX INFORMATION

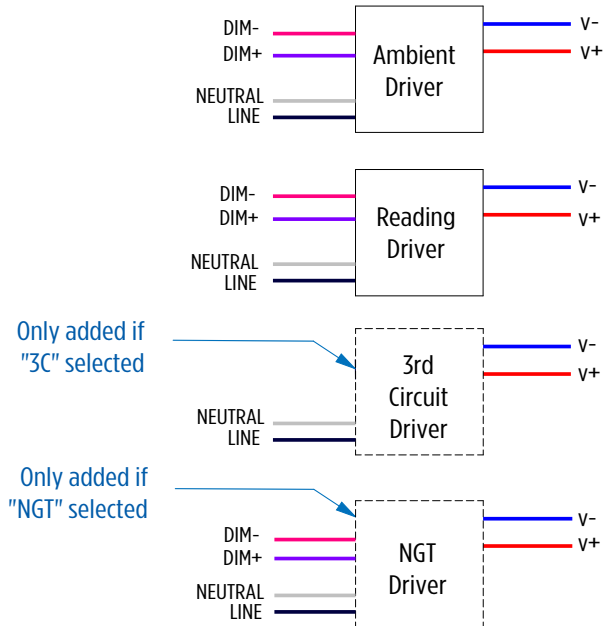


CM1887-W HARMONY (cont.)

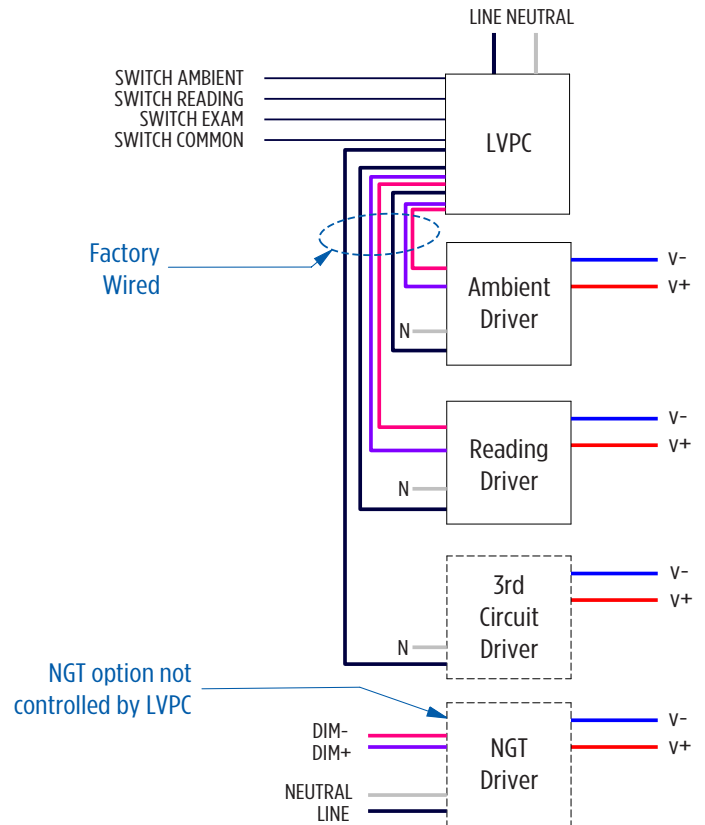
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WIRING DIAGRAMS

DRIVER BOX



DRIVER BOX with LVPC(DIM)

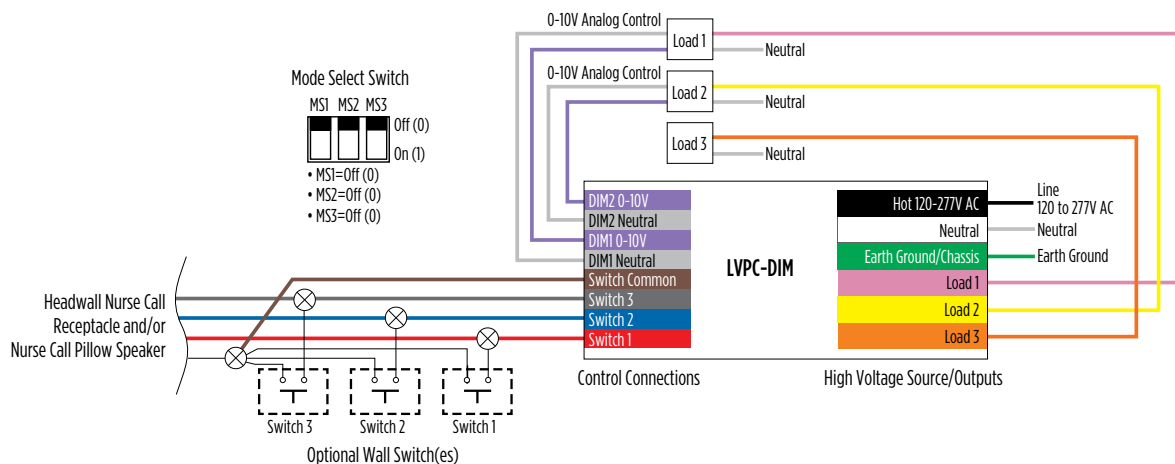


See VisaLighting.com/LVPC-DIM for more information

The LVPC(DIM) will arrive wired as shown above and set to MODE 1 to turn on Reading, Ambient, and 3C (if present) all together for Exam mode.

MODE 1 (DEFAULT)

Loads 1 and 2 Independent (with dimming), Load 3 with Loads 1 and 2 at Max Output



CM1887-W HARMONY (cont.)

2' x 4' Behavioral Health/High Abuse, Overbed



HARMONY PRODUCT FAMILY

General Use	2'x2'	• CM1882-W
	2'x4'	• CM1886-W
General Use Tunable	2'x2'	• CM1882-T
	2'x4'	• CM1886-T
Overbed	2'x2'	• CM1881-W
	2'x4'	• CM1885-W
High Abuse/ Behavioral Health Overbed	2'x2'	• CM1883-W
	2'x4'	• CM1887-W
High Abuse/ Behavioral Health General Use	2'x2'	• CM1884-W
	2'x4'	• CM1888-W
High Abuse/ Behavioral Health General Use Tunable	2'x2'	• CM1884-T
	2'x4'	• CM1888-T

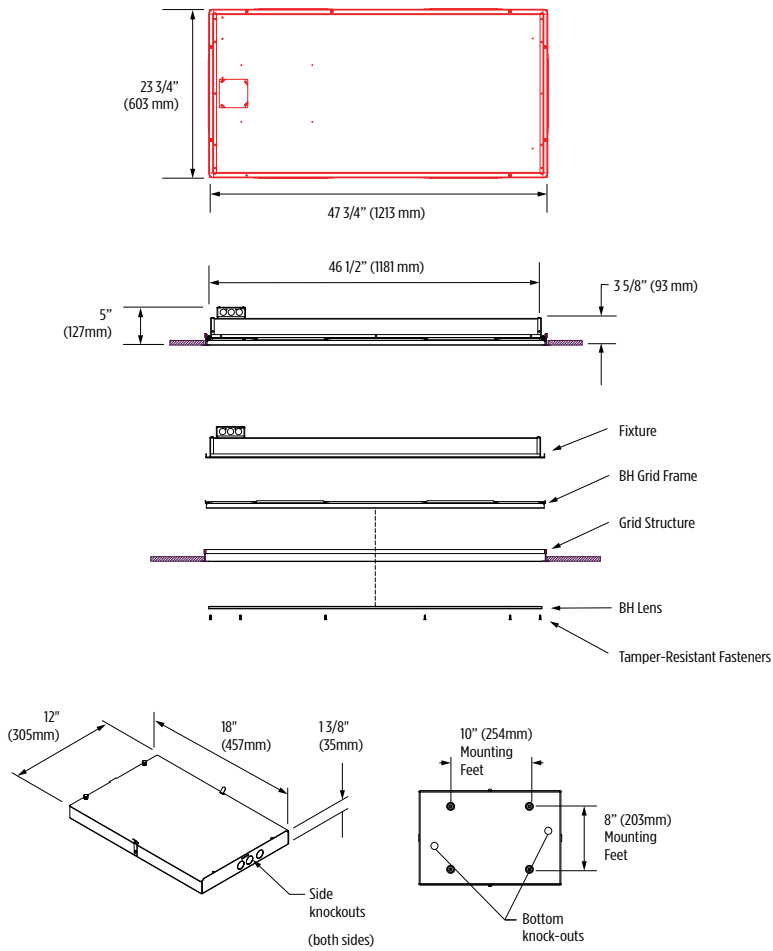
SUGGESTED VARIATIONS

- Alternate dimming control compatibility
- Remote emergency inverter
- Custom colors for lens frame
- Custom light output

See VisaLighting.com/products/Harmony for more information

INSTALLATION INFORMATION

Grid Installation BHGrid Detail



BHSRI Install Detail

