CM1885-W HARMONY™
2' x 4' Recessed Overbed

US Patent pending

VISA LIGHTING

VisaLighting.com/products/Harmony

Type: _____ Project: _____ Location: _____
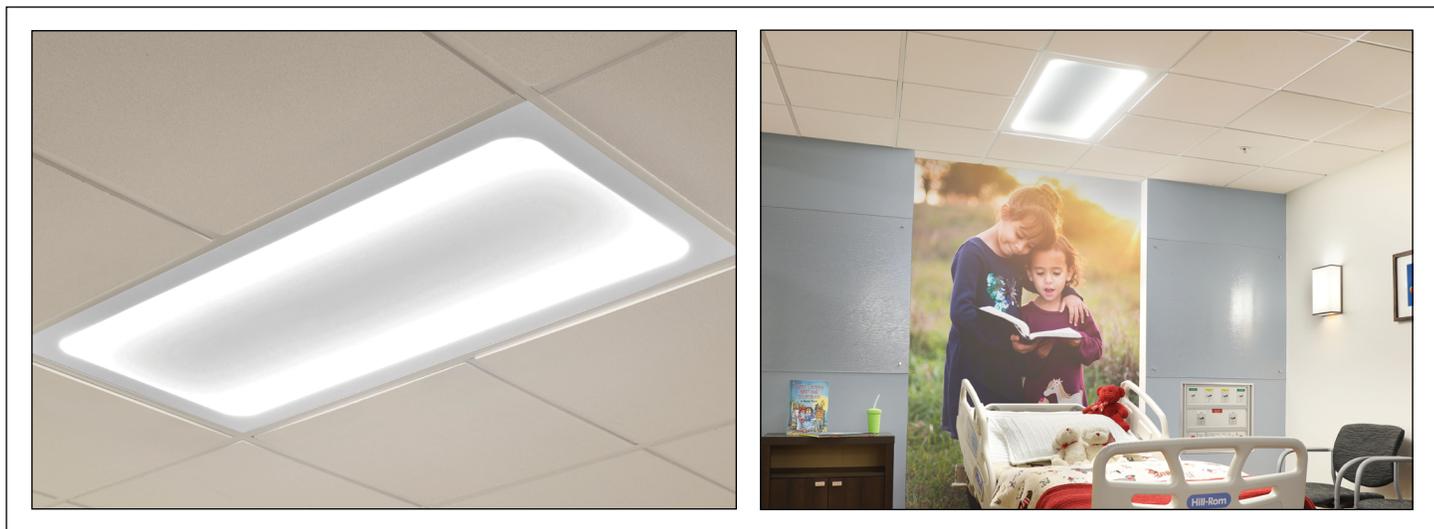
DIMENSIONS

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)

Top Mounted Driver (TMD) — 4-5/8" (117 mm), 2-7/8" (73 mm)

Remote Mounted Driver (RMD) — 4-3/8" (110 mm), 2-7/8" (73 mm)

18"(457 mm) Driver Box
11-7/8" Driver Box
4-5/8" (117 mm)   2-7/8" (73 mm)

4" (102 mm)
4" (102 mm)
4-3/8" (110 mm)   2-7/8" (73 mm)

RELATIVE SCALE DRAWING

1' fixture to wall
Door Height = 7'
Ceiling Height = 9'
Silhouette Height = 6'
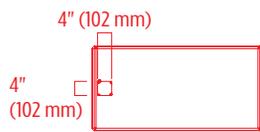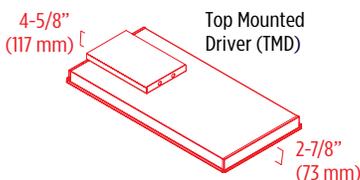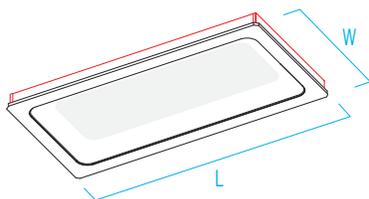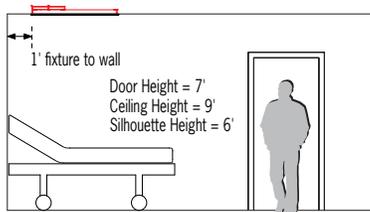
FEATURES

- 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
- Drivers conveniently mounted in a separate enclosure. Mounted on top of unit [Top Mounted Driver **(TMD)** option] or mounted remotely [Remote Mounted Driver **(RMD)** option]
- Optional 90+CRI (delivered lumens reduced by 5%)
- 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
- Suitable for installation on most standard 2x4 T-bar grid systems
- Accessory Kit **(SRI-2x4)** for drywall/sheetrock installations available (order separately – see page 5)

- 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 IP64
- Room side of unit is Certified NSF2
- Suitable for restricted air flow applications. See Installation Instructions for more information
- Optional CCEA (City of Chicago Environmental Air) - select **(CP)** option
- **(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

IP64 Certified   NSF Certified   ETL Listed   5 Year Warranty

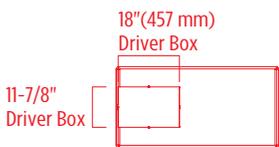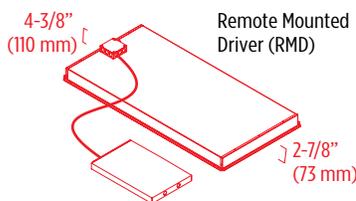# CM1885-W HARMONY (cont.)
2' x 4' Recessed Overbed

VISA LIGHTING

EXAMPLE: CM1885-W-L35K-(3C)-120V-90CRI-TMD-CP-LVPC(DIM)-NGT

CM1885-W					
MODEL	CCT	CIRCUITS–VOLTAGE	CRI	DRIVER	OPTION(S)
	• **L30K** 3000K **L35K** 3500K • **L40K** 4000K	**(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	**90CRI** Minimum CRI of 90 Minimum R9 value of 50 Lumen output reduced by 5%	**RMD** Remote Mounted Driver **TMD** Top Mounted Driver	**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 pre-wired at factory **NGT** Low Output Amber LED; Separate circuit
	CCT & CRI will match for all functions	Ambient and Reading functions dimmable 0-10V to 1%	Minimum 80CRI if 90CRI is not selected		

BED ILLUMINANCE [1, 2, 3]

AMBIENT [5]

20fc Average
Avg/Min = 1.25
3250lm Delivered
37W Input
89 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

READING [4, 5]

33fc Average
Avg/Min = 1.13
4950lm Delivered
62W Input
80 LPW

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

EXAM [5]
Ambient + Reading Circuit

50fc Average
Avg/Min = 1.28
8250lm Delivered
99W Input
84 LPW

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

HIGH EXAM [5]
Ambient + Reading + 3rd Circuit

Requires (3C) Option

100fc Average
Avg/Min = 1.29
15,700lm Delivered
178W Input
88 LPW

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 reduced by 5% if 90CRI option selected

[3] 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.

[4] Across the full width of the bed surface and 2ft from the head of the bed to 2ft from the foot of the bed

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

CM1885-W HARMONY (cont.)
2' x 4' Recessed Overbed

VISA LIGHTING

TEGULAR TILE INSTALLATION

LAY-IN TILE INSTALLATION

REMOTE DRIVER (RMD)
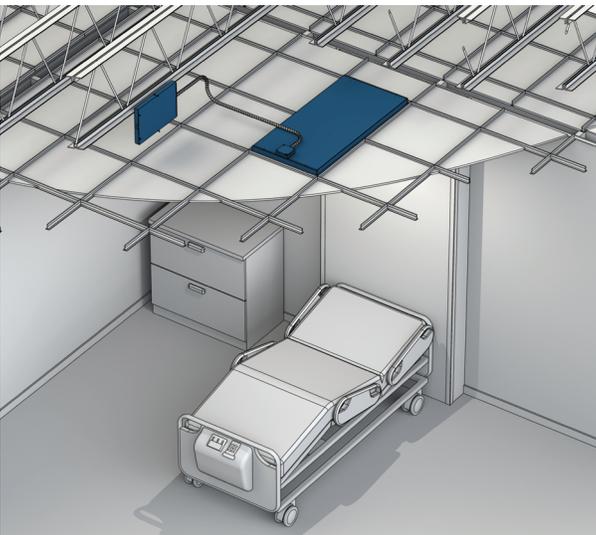
The slim Remote Driver **(RMD)** compartment can be mounted in remote locations such as corridors and wiring closets on the floor or wing of the facility using low voltage wiring. **RMD** is recommended for Sheet Rock/Drywall installations for easy driver maintenance.

	2C	3C
Maximum Recommended Remote Wiring Distance from RMD to Fixture Connection		
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

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

TOP MOUNTED DRIVER (TMD)
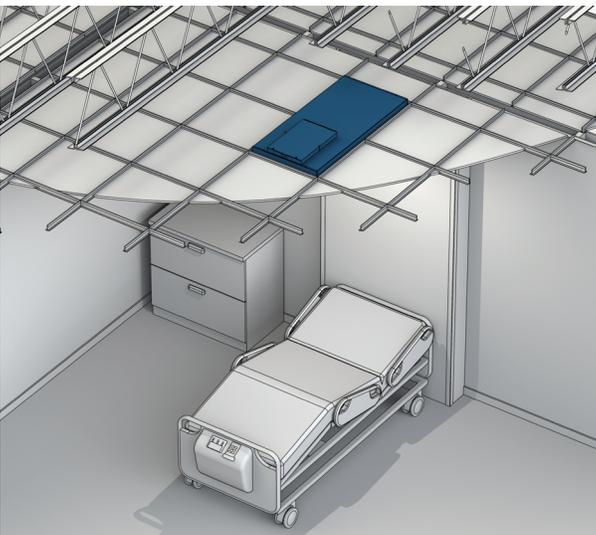
If corridor plenums are overcrowded, the driver can be mounted within the patient room ceiling utilizing the Top Mounted Driver option **(TMD)**. Driver compartment can be accessed via adjacent ceiling tile

CM1885-W HARMONY (cont.)
2' x 4' Recessed Overbed

VISA LIGHTING

DRIVER BOX INFORMATION

11-3/4" (298 mm)

17-7/8" (454 mm)

1-3/8" (35 mm)

Side knockouts
(both sides)

10" (254 mm)
Mounting feet

8" (203 mm)
Mounting feet

Bottom knockouts
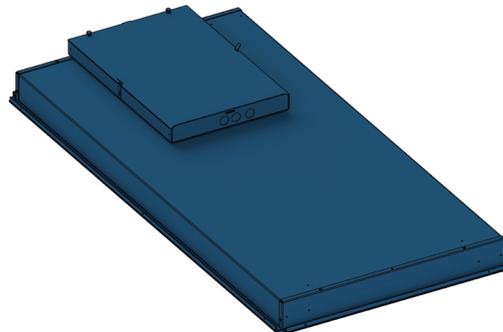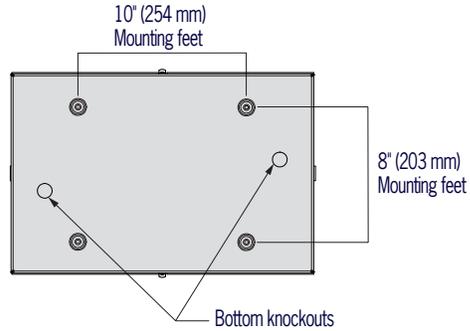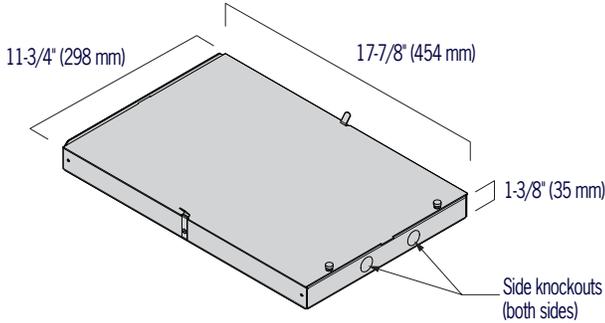
WIRING DIAGRAMS

DRIVER BOX

DIM−
DIM+

Ambient Driver

V−
V+

NEUTRAL
LINE

DIM−
DIM+

Reading Driver

V−
V+

NEUTRAL
LINE

Only added if "3C" selected

3rd Circuit Driver

V−
V+

NEUTRAL
LINE

Only added if "NGT" selected

DIM−
DIM+

NGT Driver

V−
V+

NEUTRAL
LINE

DRIVER BOX with LVPC(DIM)

LINE NEUTRAL

SWITCH AMBIENT
SWITCH READING
SWITCH EXAM
SWITCH COMMON

LVPC

Factory Wired

Ambient Driver

V−
V+

N

Reading Driver

V−
V+

N

3rd Circuit Driver

V−
V+

N

NGT option not controlled by LVPC

DIM−
DIM+

NGT Driver

V−
V+

NEUTRAL
LINE

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.

CM1885-W HARMONY (cont.)
2' x 4' Recessed Overbed

VISA LIGHTING

MODE 1 (DEFAULT)

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

Mode Select Switch

MS1 MS2 MS3
- Off (0)
- On (1)
- MS1=Off (0)
- MS2=Off (0)
- MS3=Off (0)

0-10V Analog Control — Load 1 — Neutral
0-10V Analog Control — Load 2 — Neutral
Load 3 — Neutral

Line 120 to 277V AC

Control Connections

DIM2 0-10V	
DIM2 Neutral	
DIM1 0-10V	**LVPC-DIM**
DIM1 Neutral	
Switch Common	
Switch 3	
Switch 2	
Switch 1	

Hot 120-277V AC — Hot 120-277V AC
Neutral — Neutral
Earth Ground/Chassis — Earth Ground
Load 1
Load 2
Load 3

High Voltage Source/Outputs

Headwall Nurse Call
Receptacle and/or
Nurse Call Pillow Speaker

Switch 3   Switch 2   Switch 1
Optional Wall Switch(es)

GRID MOUNTING

Bezel — T-bar

SRI-2x4 Sheetrock Installation Kit (Order Separately)

SRI-2x4 flange covers gap between ceiling board and light fixture. Suspend kit from structure. Insert fixture into ceiling and rest on flange.
See Installation Instructions for dimensions. Remote Driver **(RMD)** Option is recommended for easy driver maintenance in sheetrock/drywall installations
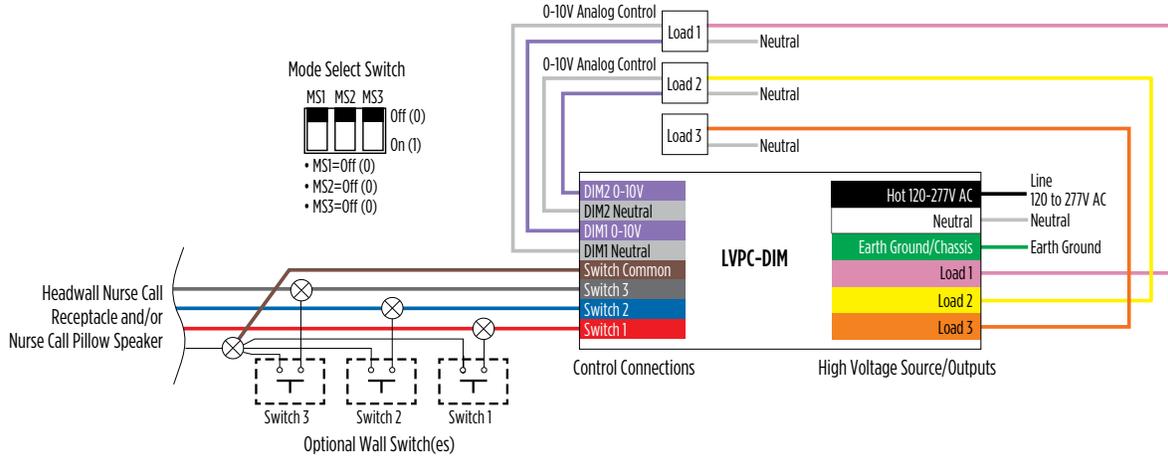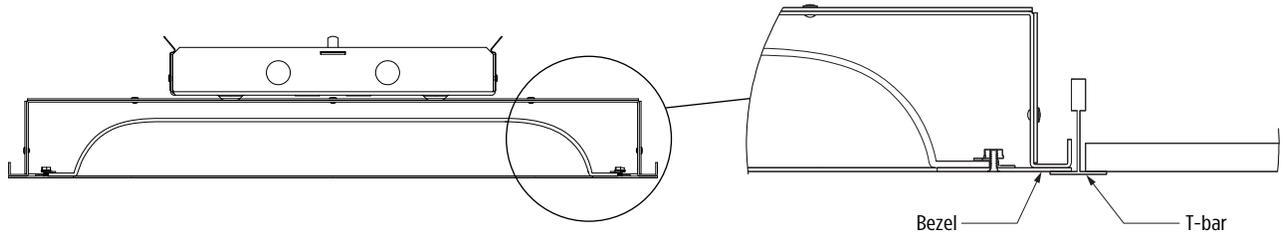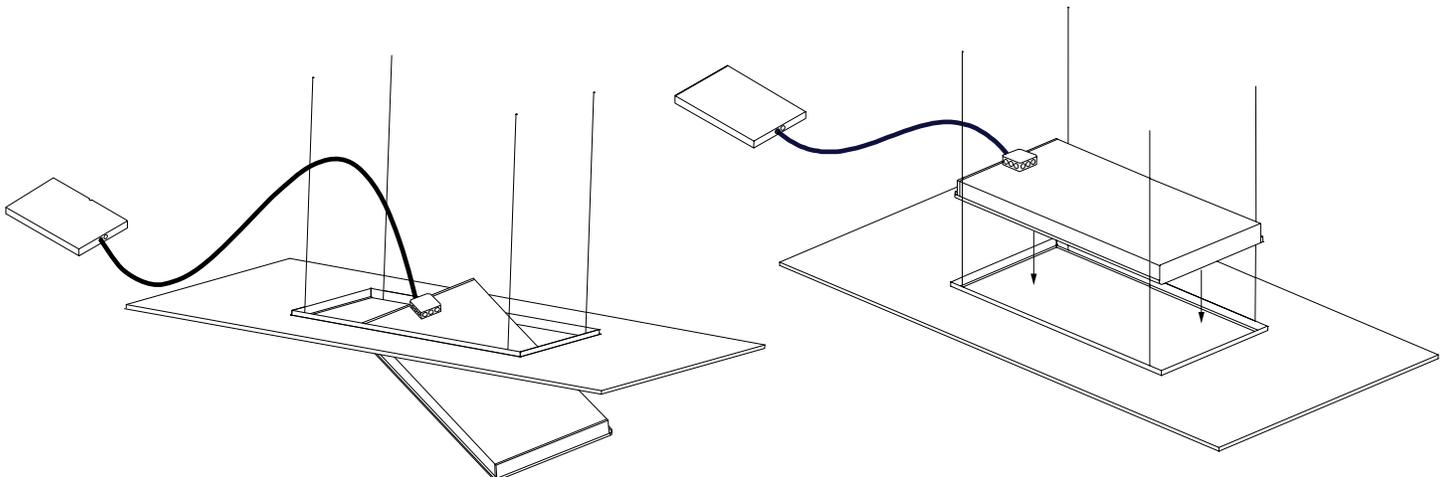

CM1885-W HARMONY (cont.)
2' x 4' Recessed Overbed

VISA LIGHTING

ACCESSORIES (Order Separately)

SRI-2x4	Sheetrock installation kit

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