MediMode™

Multi-Function Recessed
Patient Room Light

Healthcare Solutions

HUBBELL Lighting

MediMode™

The MediMode™ portfolio of luminaires responds to the varied needs of today's healthcare facilities. Its contemporary aesthetics complements today's patient room designs while MediMode's optical performance meets light level recommendations without sacrificing patient comfort. Explore the range of MediMode solutions that fit your facilities' needs.

MediMode

The MediMode recessed patient light blends the need for multi-function illumination with the desire for an aesthetically pleasing appearance. The healthcare team and the patient both benefit to the optical approach that meets performance targets while enhancing visual comfort.

MediMode Behavioral

The features and aesthetics of MediMode can be extended to low, medium and high risk behavioral spaces. This allows consistency in appearance, operation and servicing throughout the facility. Recommended by the NY State Office of Mental Health.

MediMode PowerHUBB™

Hubbell's PowerHUBB, an enterprise level Power-Over-Ethernet (PoE) lighting and control platform technology delivers all the standard features of MediMode while seamlessly integrating MideMode and other luminaires with sensors, human interfaces and software for a scalable intelligent building controls solution.

APPLICATIONS

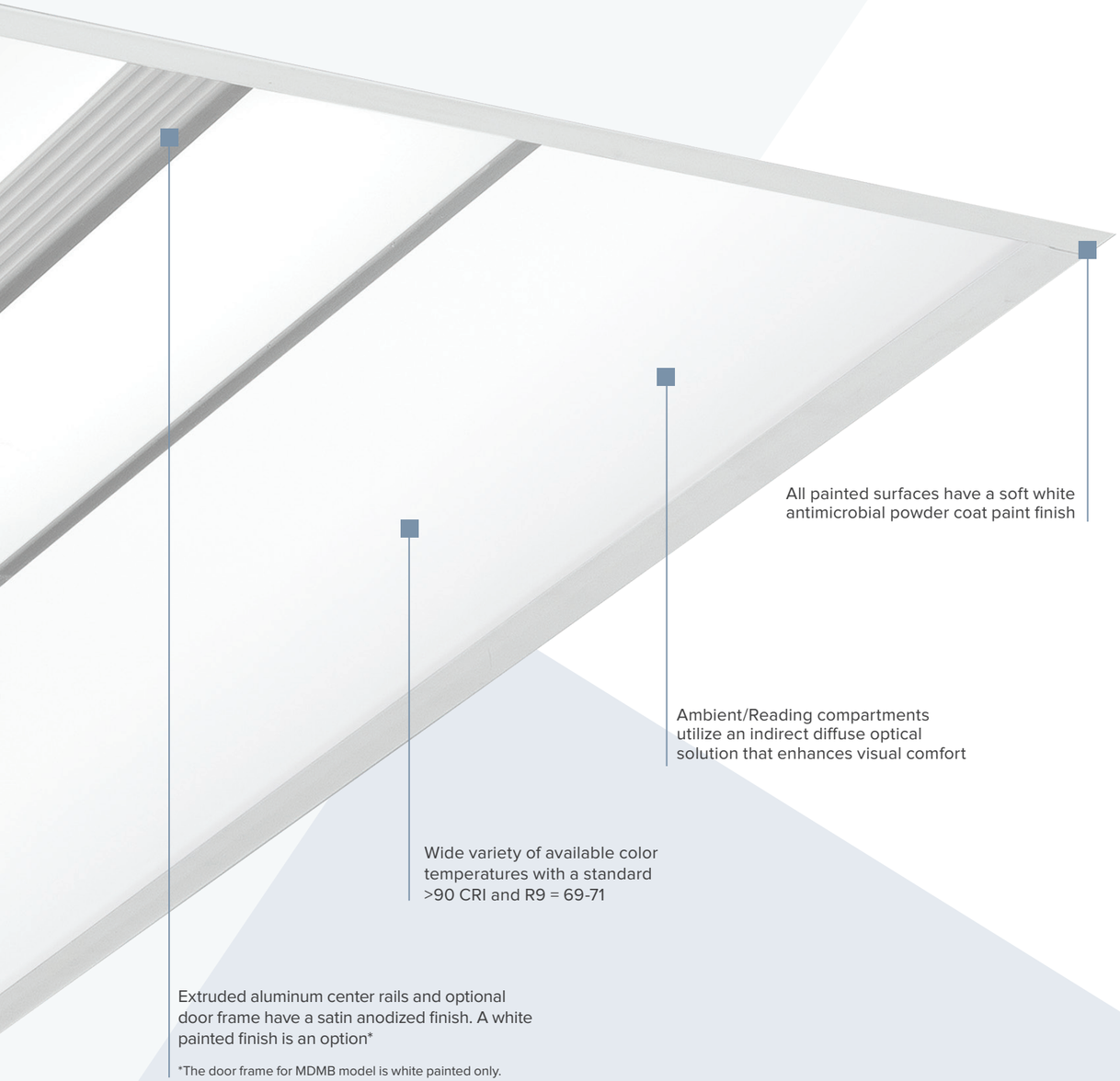
PATIENT ROOMS

PRE- AND POST-OP AREAS

BEHAVIORAL SPACES

EMERGENCY ROOM EXAMINATION

PHYSICIAN'S OFFICES



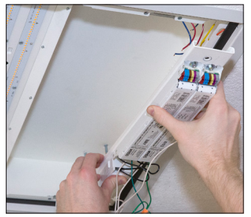
All painted surfaces have a soft white antimicrobial powder coat paint finish

Ambient/Reading compartments utilize an indirect diffuse optical solution that enhances visual comfort

Wide variety of available color temperatures with a standard >90 CRI and R9 = 69-71

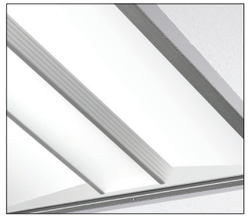
Extruded aluminum center rails and optional door frame have a satin anodized finish. A white painted finish is an option*

*The door frame for MDMB model is white painted only.



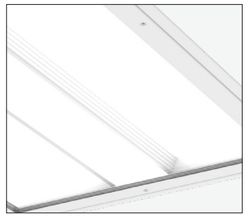
Simplicity

- The one-piece optical tray and quick-change gear trays simplifies installation and servicing.



MediMode™ | MediMode PowerHUBB™ Optional Door

- Extruded aluminum door with clear acrylic or polycarbonate lens provides IP65 rating and UL Sanitation rating.



MediMode Behavioral Door

- One-piece steel door frame with nominal 0.25" clear polycarbonate, full perimeter hold-down brackets and tamper-resistant hardware.

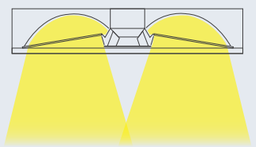
Night Light

- Available with optional night light in amber (590 nm) or white (3000K) light source.

FUNCTIONALITY

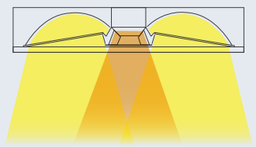
Dual-Switching

Ambient/Reading



Outside compartments provide ambient/ reading illumination with one switch

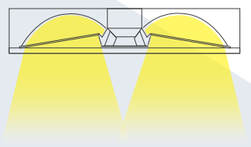
Examination



Examination utilizes the center + the outside compartments

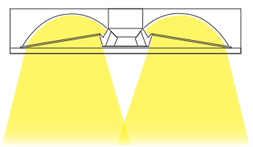
Tri-Switching

Ambient



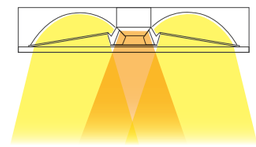
Outside compartments provide ambient illumination

Reading



Outside compartments provide a higher level of illumination for reading function

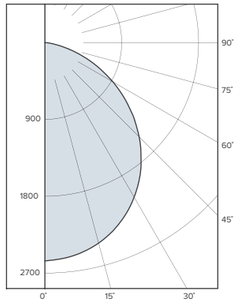
Examination



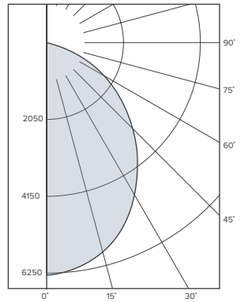
Examination utilizes the center + the outside compartments

PHOTOMETRY

MediMode™



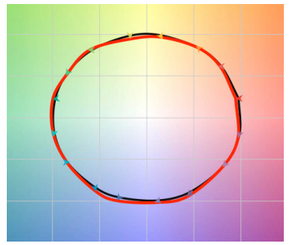
Test No.	**18.01061**
Description	**Ambient/Reading**
Delivered Lumens	**6,093**
Watts	**88W**
Efficacy	**69**
Mounting	**Recessed**



Test No.	**18.01062**
Description	**Examination + Ambient/Reading**
Delivered Lumens	**13,902**
Watts	**170W**
Efficacy	**82**
Mounting	**Recessed**

TM-30 DATA

COLOR VECTOR GRAPHIC



COLOR DISTORTION GRAPHIC

MBM TEST RESULTS	
CCT (K)	3464
Rf	92
Rg	100
CIE Ra	96
CIE R9	69-71

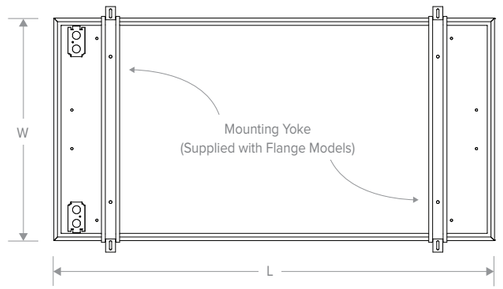
KEY DATA	
Lumen Range	2,009–16,836 LMS
Wattage Range	33–178 WATTS
Efficacy Range	62-103 LPW
LED Life	60,000 HRS

MEDIMODE™ PERFORMANCE CHART

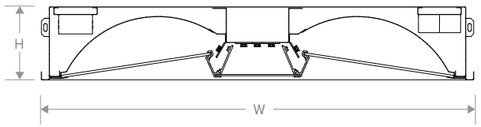
	AVG. ILLUMINANCE (footcandles)	UNIFORMITY	POWER (W)	EFFICACY (lm/W)	IESNA RECOMMENDED TARGETS			
					AVG. ILLUMINACE (footcandles)			UNIFORMITY
					AGE OF USER (yrs.)			
					<25	25-65	>65	
Ambient*	**18.2**	**3.6:1** (Avg:Min)	88	70	5	10	**20**	**4:1** (Avg:Min)
Reading-Inclined	**72.7**	**1.2:1** (Avg:Min)	88	70	20	40	**80**	**3:1** (Avg:Min)
Reading-Horizontal	**51.6**	**1.1:1** (Avg:Min)	88	70	20	40	**80**	**3:1** (Avg:Min)
Examination	**118**	**1.6:1** (Avg:Min)	170	82	25	50	**100**	**5:1** (Max:Min)

*Based on a 12'x12' area positioned around the patient bed.

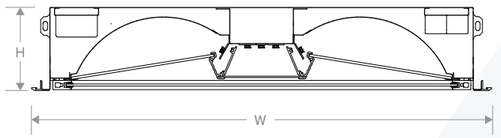
DIMENSIONS



MDM24 FLANGE, WITH DOOR



NO DOOR, GRID



WITH DOOR, FLANGE

	MDM22			MDM24			MDMPH24		
	H	W	L	H	W	L	H	W	L
Grid Model	4.00" (101.6 mm)	23.75" 603.3 mm)	23.75" (603.3 mm)	4.00" (101.6 mm)	23.75" 603.3 mm)	47.75" (1212.9 mm)	5.10" (129.5 mm)	23.75" 603.3 mm)	47.75" (1212.9 mm)
Grid Model, Full Lensed Door	4.44" (112.8 mm)	23.75" (603.3 mm)	23.75" (603.3 mm)	4.44" (112.8 mm)	23.75" (603.3 mm)	47.75" (1212.9 mm)	4.98" (126.5 mm)	23.75" (603.3 mm)	47.75" (1212.9 mm)
Flange Model	4.05" (113.8 mm)	24.84" (630.9 mm)	24.84" (630.9 mm)	4.05" (113.8 mm)	24.84" (630.9 mm)	48.75" (1238.3 mm)	5.15" (130.8 mm)	24.84" (630.9 mm)	48.75" (1238.3 mm)
Flange Model, Full Lensed Door	4.48" (113.8 mm)	24.84" (630.9 mm)	24.84" (630.9 mm)	4.48" (113.8 mm)	24.84" (630.9 mm)	48.75" (1238.3 mm)	5.02" (127.5 mm)	24.84" (630.9 mm)	48.75" (1238.3 mm)
	MDMB22			**MDMB24**					
	4.41" (112.0 mm)	24.48" (621.8 mm)	24.48" (621.8 mm)	4.41" (1120 mm)	24.48" (621.8 mm)	48.48" (1231.4 mm)			

SPECIFICATIONS

MediMode™

CONSTRUCTION
- 20 gauge, one-piece CRS housing. (Full-seam welding for models with optional full-lensed door.)
- Optical frame with CRS formed reflectors and captured lenses.
- Optional full-lensed door models have extruded, anodized aluminum door frame.

LENS
- Optical frame has captured, translucent acrylic lenses.
- Optional full-lensed door has nom. 0.125" clear acrylic or polycarbonate lens.

FINISH
- Housing and reflectors have antimicrobial paint finish that inhibits the growth of microbes.

INSTALLATION/ MOUNTING
- MediMode is available in either a Grid (G) or Flange (F) model.

LIGHT SOURCE
- The LED light source is available in 3000K, 3500K, 4000K and 5000K CCT with standard > 90 CRI and high R9 values for excellent color rendition.
- Optimal life > 60,000 hours at 80% lumen maintenance.

ELECTRICAL
- Each mode of operation is controlled independently by a dedicated driver.
- Available in universal 120-277V, 50/60 Hz. Contact factory for other supply voltage needs. (Specification of dedicated voltage may be required for certain options.)
- Drivers are suitable of 0-10V dimming down to 1%. (Dimming performance will vary when low voltage controller options are selected.)

SWITCHING
- MediMode is wired to have independent control of each function.
- The ambient/reading and night light functions can be controlled with integral low voltage controller (LVC) options. The LVC allows control with patient pillow switch (by others) wired through the nurse call system (by others).
- The exam function is typically controlled through a wall switch (by others).
- Tri-Switched (TS) option separates the control of the ambient and reading functions.

CERTIFICATIONS
- Built and tested to UL1598 standard and bears the cCSAus label for Wet Locations in covered ceilings.
- IP65 rated per IEC 60598 (with optional full-lensed door).
- UL Sanitation rated with SLDA and SLDP option.
- Photometrically tested per IESNA-79 standards and LM-80 compliant.

WARRANTY
- 5 year warranty.
- See HLI Standard Warranty for additional information

EXAMPLE: MDM24-9-40-G-120-HLD-NA-LVCDSM2

MDM – **9** – – – – –

MODEL	SIZE	CRI	COLOR TEMP	SWITCHING OPTION	CEILING TYPE	VOLTAGE
MDM MediMode Patient Room Luminaire	**22** 2'x2' (nom.) **24** 2'x4' (nom.)	**9**[1] 90 CRI **8** 80 CRI	**30** 3000K **35** 3500K **40** 4000K **50** 5000K	**BLANK**[1] Dual-Switched (Ambient and Reading functions controlled together) **TS**[8] Tri-Switched (Ambient and Reading functions controlled independently)	**G** Grid Mount **F** Flange Mount	**U** Universal (120-277V) **120** 120V **277** 277V

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OPTIONS	
HLDA[2]	Hinged lens door with clear acrylic lens (nom. 0.125" thickness)
HLDP[2]	Hinged lens door with clear polycarbonate lens (nom. 0.125" thickness)
SLDA[2,3]	Screwed-in lens door with clear acrylic lens (nom. 0.125" thickness)
SLDP[2,3]	Screwed-in lens door with clear polycarbonate lens (nom. 0.125" thickness)
WT	White internal aluminum rails. Door frame will also be white when full-lensed door option is selected.
NA[4]	Night Light Amber (590nm), (120V only)
NW[4]	Night Light White (3000K), (120V only)
LVC1[4,5,6]	Low Voltage Controller for individual control of ambient/reading mode
LVC2[4,5,6]	Low Voltage Controller for individual control of ambient/reading mode and night light mode
LVC21[4,6,7]	Low Voltage Controller for individual control of ambient and reading modes
LVC3[6,7]	Low Voltage Controller for individual control of ambient mode, reading mode and night light mode
LVCD__[6]	Low Voltage Controller with dimming (0-10V) for ambient/reading function. Refer to LVC Selection Chart on product spec sheet to complete option code. (Ex. LVCDSM1)
ELL14[8]	Emergency battery pack
GMF	Slow blow fuse
TR	Tamper-resistant hardware (center-pin Torx)

ACCESSORIES	
FK22H	Framing kit for field conversion of 2x2 Grid (G) fixture to Flange (F) fixture. This accessory is not required if Flange (F) fixture is ordered.
FK24H	Framing kit for field conversion of 2x4 Grid (G) fixture to Flange (F) fixture. This accessory is not required if Flange (F) fixture is ordered.

1 Default selection unless specified otherwise
2 IP65 rated
3 UL Sanitation rated
4 Must specify voltage
5 For Dual-Switching models only
6 See LVC Selection Chart on specification sheet for additional information
7 For Tri-Switching models only
8 Not available in 2x2 model

MediMode™ Behavioral

CONSTRUCTION
- 20 gauge, one-piece, seam welded CRS housing.
- 18 gauge, one-piece CRS door frame with 0.250" clear polycarbonate lens held down with full-length brackets.
- Internal optical frame with metal reflector and diffusing lenses.

FINISH
- The housing and reflectors are painted with polyester white powder coat with an antimicrobial additive to inhibit the growth of microbes.

INSTALLATION/ MOUNTING
- MediMode is flange (F) mounted utilizing a yoke ceiling bracket.
- The door frame is secured to the housing with perimeter, stainless steel center-pin Torx® head screws.
- The door frame is supported from the housing via aircraft cable tethers.

LIGHT SOURCE
- The LED source is available in 3000K, 3500K, 4000K and 5000K CCT with standard >90 CRI, high R9 for excellent color rendering and optimal life > 60,000 hours at 80% lumen maintenance.

ELECTRICAL
- Available in universal 120V-277V; 50/60 Hz. Each mode of operation is controlled independently by a dedicated electronic driver.
- Drivers are suitable for 0-10V dimming down to 1%. Contact factory for other supply voltage needs.

SWITCHING
- The MediMode luminaire is wired to have independent control of each function. Consult factory for application requiring a low voltage controller.
- Dual-Switched (DS) - For mult-function use where ambient/reading and Exam functions are controlled separately
- Single-Switched (SS) - For ambient lighting use where all compartments are switched together.

CERTIFICATIONS
- Built and tested to UL1598 standard and bears the cCSAus label for Wet Locations in covered ceilings
- Recommended by the New York State Office of Mental Health
- Photometrically tested per IESNA-79 standards and LM-80 compliant
- UL Sanitation rated

WARRANTY
- 5 year warranty.
- See HLI Standard Warranty for additional information.

EXAMPLE: MDMB24-9-40-F-120-NA

MDMB – **9** – – **F** –

MODEL	SIZE	CRI	COLOR TEMP	SWITCHING OPTION	CEILING TYPE	VOLTAGE
MDMB MediMode Patient Room Luminaire for Behavioral Applications	**22** 2'x2' (nom.) **24** 2'x4' (nom.)	**9**[1] 90 CRI **8** 80 CRI	**30** 3000K **35** 3500K **40** 4000K **50** 5000K	**BLANK**[1] Ambient/Reading and Exam functions switched separately **SS** All functions switched together	**F** Flange Mount	**U** Universal (120-277V) **120** 120V

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OPTIONS	
NA	Night Light Amber (590nm), (120V only)
NW	Night Light White (3000K), (120V only)
WT	White finish for internal extruded aluminum trim
ELL14[2]	Emergency battery pack
GMF	Slow blow fuse

1 Default selection unless specified otherwise
2 2x4 only

SPECIFICATIONS

MediMode™ PowerHUBB™

CONSTRUCTION
- 20 gauge, one-piece CRS housing. (Full-seam welding for models with optional full-lensed door.)
- Optical frame with CRS formed reflectors and captured lenses.
- Optional full-lensed door models have extruded, anodized aluminum door frame.

LENS
- Optical frame has captured, translucent acrylic lenses.
- Optional full-lensed door has nom. 0.125" clear acrylic or polycarbonate lens.

FINISH
- Housing and reflectors have antimicrobial paint finish that inhibits the growth of microbes.

INSTALLATION/MOUNTING
- MediMode is available in either a Grid (G) or Flange (F) model.

LIGHT SOURCE
- The LED light source is available in 3000K, 3500K, 4000K and 5000K CCT with standard > 90 CRI and high R9 values for excellent color rendition.
- Optimal life > 60,000 hours at 80% lumen maintenance.

ELECTRICAL
- Integral PowerHUBB nodes replace standard electronic AC drivers in luminaire.
- Nodes are programmed for optimized performance of the LED and allow bi-directional communication.
- Nodes provide dimming functions down to 1%.

SWITCHING
- MediMode is wired to have independent control of ambient/reading, exam and optional night light functions.
- Switching options include network wall stations and/or a patient pillow switch (by others).
- Hubbell Control Solutions' PowerHUBB is an enterprise level Power-over-Ethernet (PoE) lighting and control platform that seamlessly integrates luminaires, sensors, human interfaces and software for a scalable intelligent building control solution.

CERTIFICATIONS
- Built and tested to UL1598 and 2108 standards and bears the cCSAus label for Wet Locations in covered ceilings.
- IP65 rated per IEC 60598 (with optional full-lensed door).
- UL Sanitation rated with SLDA and SLDP option.
- Photometrically tested per IESNA-79 standards and LM-80 compliant.

WARRANTY
- 5 year warranty.
- See HLI Standard Warranty for additional information

EXAMPLE: MDMPH24-9-40-G-HLDA-NA

MDMPH	24	– 9	–	–	–

MODEL		SIZE		CRI		COLOR TEMP		CEILING TYPE		OPTIONS	
MDMPH	MediMode Patient Room Luminaire PowerHUBB Enabled	**24**	2'x4' (nom.)	**9**	90 CRI	**30**	3000K	**G**	Grid Mount	**HLDA**[1]	Hinged lens door with clear acrylic lens (nom. 0.125" thickness)
						35	3500K	**F**	Flange Mount	**HLDP**[1]	Hinged lens door with clear polycarbonate lens (nom. 0.125" thickness)
						40	4000K			**SLDA**[1,2]	Screwed-in lens door with clear acrylic lens (nom. 0.125" thickness)
						50	5000K			**SLDP**[1,2]	Screwed-in lens door with clear polycarbonate lens (nom. 0.125" thickness)
										NA	Night Light Amber (590nm)
										NW	Night Light White (3000K)
										WT	White internal aluminum rails. Door frame will also be white when door option is selected.
										TR	Tamper-resistant hardware (center-pin Torx)

ACCESSORIES	
FK24H	Framing kit for field conversion of 2x4 Grid (G) fixture to Flange (F) fixture. This accessory is not required if Flange (F) fixture is ordered.

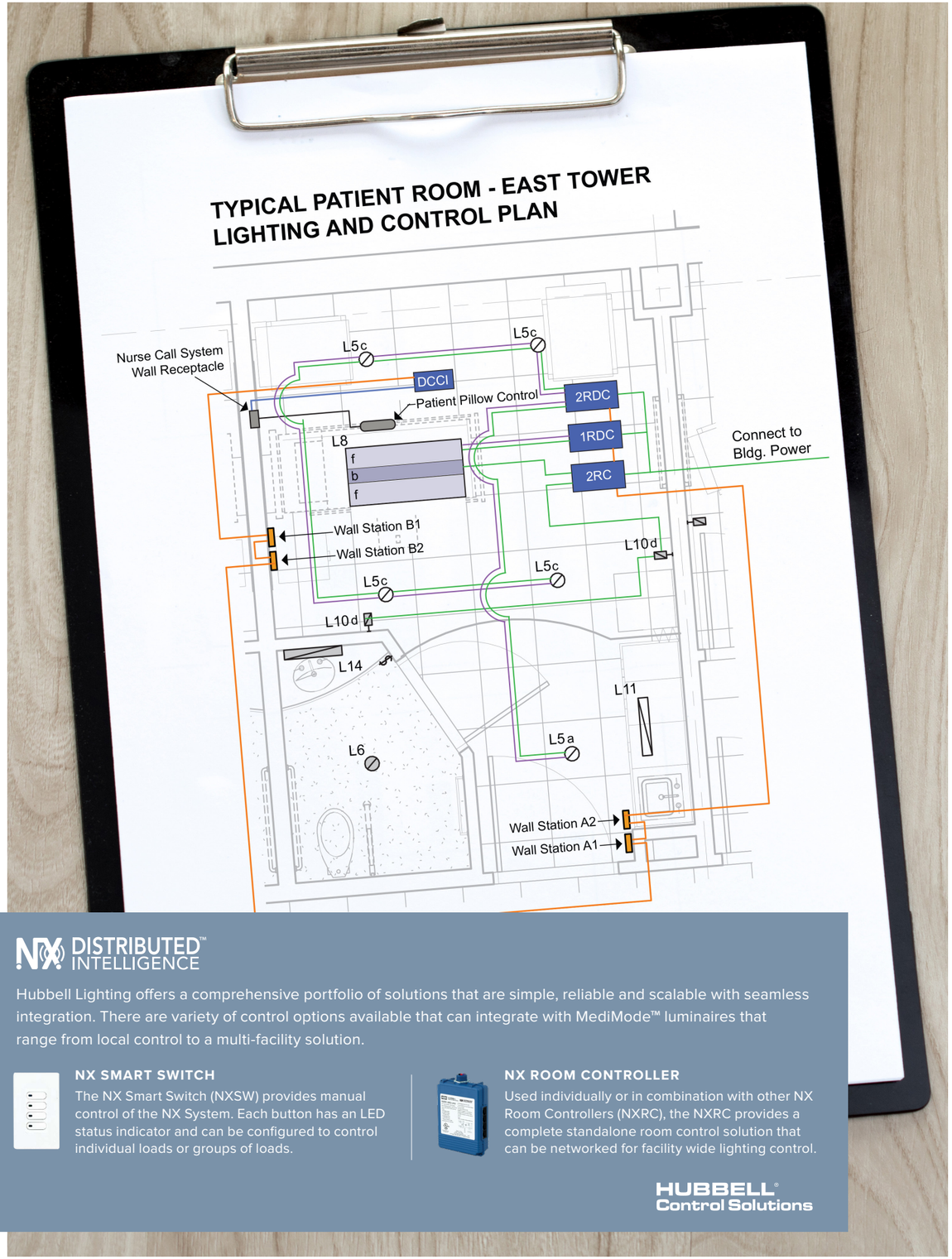
1 IP65 rated
2 UL Sanitation rated

MEDIMODE™ PERFORMANCE CHART

			Dual-Switched (DS) *Ambient and Reading functions controlled together*			**Tri-Switched (TS)** *Ambient and Reading functions controlled independently*								
			Ambient/Reading			Ambient			Reading			Exam		
		CCT	Lumens	Input Watts	LPW	Lumens	Input Watts	LPW	Lumens	Input Watts	LPW	Lumens	Input Watts	LPW
> 90 CRI	**MDM24**	3000K	5610	73	77	3908	45	86	6221	72	87	12475	146	86
		3500K	5730	73	78	3992	45	88	6354	72	89	12743	146	88
		4000K	5850	73	80	4076	45	90	6487	72	90	13011	146	89
		5000K	6229	73	85	4339	45	96	6907	72	96	13852	146	95
	MDM24 (w/ Full Acrylic Lensed Door)	3000K	5965	88	68	3801	56	67	6071	87	69	13610	170	80
		3500K	6093	88	69	3883	56	69	6201	87	71	13902	170	82
		4000K	6221	88	71	3965	56	70	6331	87	72	14194	170	84
		5000K	6623	88	76	4221	56	75	6740	87	77	15111	170	89
> 80 CRI	**MDM24**	3000K	6452	73	88	4495	45	99	7155	72	100	14349	146	99
		3500K	6670	73	91	4647	45	102	7396	72	103	14833	146	102
		4000K	6773	73	93	4719	45	104	7510	72	105	15062	146	103
		5000K	6950	73	95	4842	45	107	7707	72	107	15457	146	106
	MDM24 (w/ Full Acrylic Lensed Door)	3000K	6861	88	78	4372	56	78	6982	87	80	15654	170	92
		3500K	7092	88	81	4520	56	80	7218	87	83	16182	170	95
		4000K	7202	88	82	4590	56	81	7330	87	84	16432	170	97
		5000K	7391	88	84	4710	56	84	7522	87	86	16863	170	99

			Dual-Switched (DS) *Ambient and Reading functions controlled together*					
			Ambient/Reading			Exam		
		CCT	Lumens	Input Watts	LPW	Lumens	Input Watts	LPW
> 90 CRI	**MDM22**	3000K	2501	36	70	5588	72	78
		3500K	2555	36	71	5708	72	80
		4000K	2609	36	73	5828	72	81
		5000K	2777	36	77	6205	72	87
	MDM22 (w/ Full Acrylic Lensed Door)	3000K	2639	42	63	5912	84	71
		3500K	2696	42	64	6039	84	72
		4000K	2753	42	66	6166	84	74
		5000K	2931	42	70	6564	84	78
> 80 CRI	**MDM22**	3000K	2877	36	80	6427	72	90
		3500K	2974	36	83	6644	72	93
		4000K	3020	36	84	6747	72	94
		5000K	3099	36	86	6924	72	97
	MDM22 (w/ Full Acrylic Lensed Door)	3000K	3036	42	72	6800	84	81
		3500K	3138	42	75	7029	84	84
		4000K	3187	42	76	7138	84	85
		5000K	3270	42	78	7325	84	87

			Single-Switched (SS)		
			All Compartments		
		CCT	Lumens	Input Watts	LPW
> 90 CRI	**MDMB22**	3000K	2941	41	73
		3500K	3004	41	73
		4000K	3067	41	75
		5000K	3265	41	80
	MDMB24	3000K	7817	106	74
		3500K	7985	106	75
		4000K	8153	106	77
		5000K	8680	106	82
> 80 CRI	**MDMB22**	3000K	3383	41	83
		3500K	3497	41	85
		4000K	3551	41	87
		5000K	3644	41	89
	MDMB24	3000K	8991	106	85
		3500K	9295	106	88
		4000K	9438	106	89
		5000K	9686	106	91



NX DISTRIBUTED™ INTELLIGENCE

Hubbell Lighting offers a comprehensive portfolio of solutions that are simple, reliable and scalable with seamless integration. There are variety of control options available that can integrate with MediMode™ luminaires that range from local control to a multi-facility solution.

NX SMART SWITCH

The NX Smart Switch (NXSW) provides manual control of the NX System. Each button has an LED status indicator and can be configured to control individual loads or groups of loads.

NX ROOM CONTROLLER

Used individually or in combination with other NX Room Controllers (NXRC), the NXRC provides a complete standalone room control solution that can be networked for facility wide lighting control.

HUBBELL® Control Solutions

Integral Low Voltage Controllers

MediMode™ can be configured with a variety of low voltage controller (LVC) options to allow the patient complete control of their lighting. The LVC is integral to the luminaire and seamlessly interfaces with the facility's nurse call system and patient bed control and provides On/Off or dimming functionality. See the Ordering Guide on page 10 or visit www.hubbellhealthcare.com for further information.

NX DISTRIBUTED™ INTELLIGENCE

Hubbell Control Solutions NX Distributed Intelligence™ lighting control platform provides choices for a single room, an entire building, or multi-location properties. The system has both wired and wireless controls, for interior and exterior installations, using familiar wall switch stations and interfaces. NX offers both standard patient control options and control solutions for the rest of the room.

Contact Hubbell Control Solutions for further details and support.

POWERHUBB™
PoE LIGHTING & CONTROL

Hubbell Control Solutions' PowerHUBB™ is an enterprise level Power-Over-Ethernet (PoE) lighting and control platform. The system uses industry-standard Category 5/6 networking cables and PoE-enabled network switches to send power and data to a wide variety of Hubbell Lighting luminaires. MediMode with PowerHUBB leverages the safe, low-voltage power delivery and feature-rich software functions of the system.

SpectraSync™
Color Tuning Technology

Hubbell Lighting's *SpectraSync™ color tuning technology is an intuitive and versatile platform to provide a scheduled white solution that can bring the rhythm of nature indoors by enabling CCT and intensity control throughout your day with a straightforward 0-10V interface.

Contact Technical Support for further details.

Visit www.hubbellcontrolsolutions.com for additional information on NX Distributed Intelligence, PowerHUBB and SpectraSync control solutions.

Healthcare Solutions

Hubbell Healthcare Solutions offers a variety of complementary and alternative solutions for the patient room environment. As with MediMode™, each are designed with patient comfort and healthcare staff efficiency in mind while delivering lighting performance, durability and simplicity of installation and operation.

REMEDI™

The Remedi bed light has a unique design capable of addressing the ambient, reading, examination and night lighting needs for the patient and healthcare staff. With four distinct optical compartments and an open design, there is no need to physically manipulate any portion of the luminaire - a time saver for the caregiver and safer for the patient.

EVEXIA™

Evexia is designed to meet the ambient and reading lighting needs in patient rooms and assisted living facilities. The luminaire has a low profile that reduces the visual impact on the wall. The contoured shape, smooth surface and anti-microbial finish support infectious disease control efforts.

NITEWAY™

The NiteWay patient room night light is the ideal choice for the demands of healthcare environments. It combines an aesthetically pleasing form with low glare performance, rugged durability and water-tight construction. Approved by the NY State Office of Mental Health.

HUBBELL Lighting

ALERA LIGHTING

ARCHITECTURAL AREA LIGHTING

BEACON PRODUCTS

COLUMBIA LIGHTING

COMPASS

DUAL-LITE

HEALTHCARE SOLUTIONS

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KIM LIGHTING

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LITECONTROL

PRESCOLITE

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HHS0009 01/19

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