Lighting solutions

For Behavioral Health Spaces

Illuminating Safety with Style for Every Space

PACO
a brand of LMPG

CONTENTS

ABOUT US 3

LIGHTING SOLUTIONS FOR ALL RISK LEVELS 4

ZONES AND SECURITY LEVELS 5

FINDING THE RIGHT COLOR FINISH 6

VR4A - NEW PRODUCT 9

MTLA - NEW PRODUCT 11

MNLA - NEW PRODUCT 13

MDA4 / MDA6 15

MATERIAL VS SECURITY LEVELS 16

THE MRGA SERIES 18

MRGA1 / MRGA2 21

MRGA3 22

MRGAL 23

MRPA1 25

MRPA2 26

MRPA3 27

MRPA4 28

MRPA5 29

MURA 31

PUWA 33

Firstly,

About Us

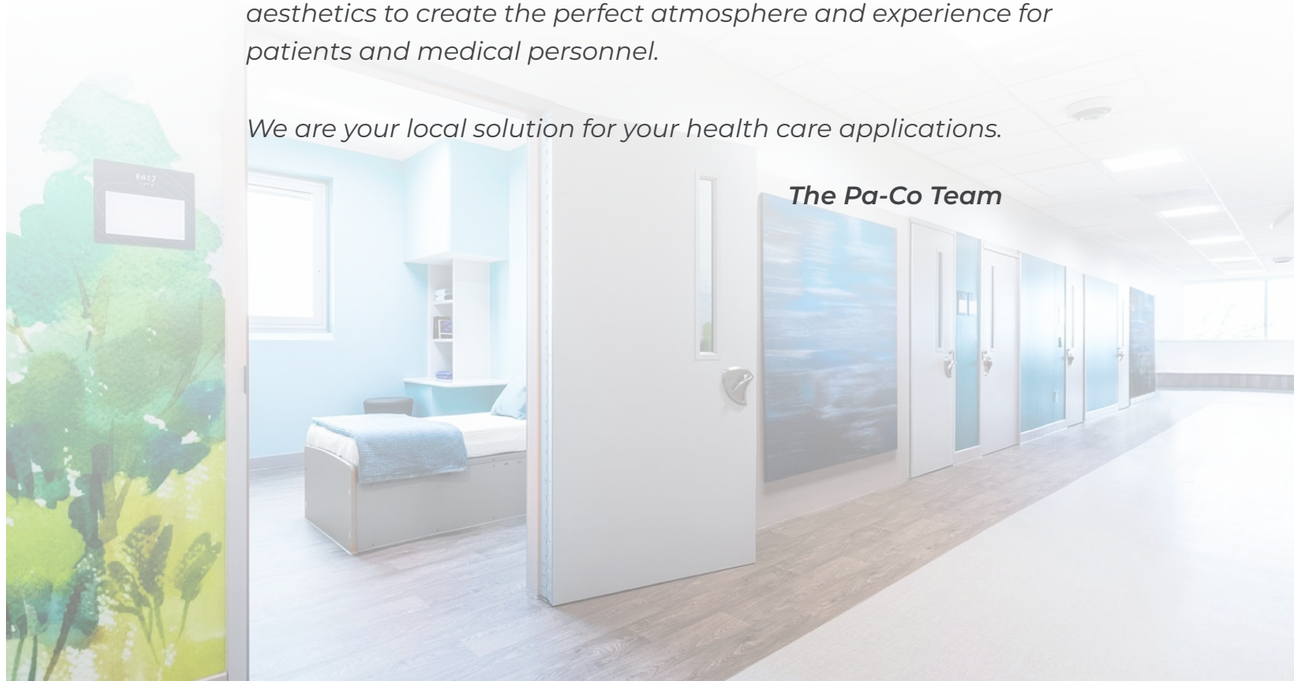
Established in 1978 and privately owned, Pa-Co has a longstanding history of manufacturing custom and institutional specification grade luminaires for hospitals, behavioral facilities, specialized medical clinics and nursing homes.

Our state-of-the-art manufacturing equipment paired with local testing laboratories allow us to design, produce and deliver top quality products with all the options needed to fulfill most healthcare applications.

Pa-Co has evolved throughout the years and will continue to do so as we strive to offer our valued customers and their patients the latest technologies, options, and designs. In designing our healthcare luminaires we've emphasized quality and functionality as our foremost priorities, while integrating design aesthetics to create the perfect atmosphere and experience for patients and medical personnel.

We are your local solution for your health care applications.

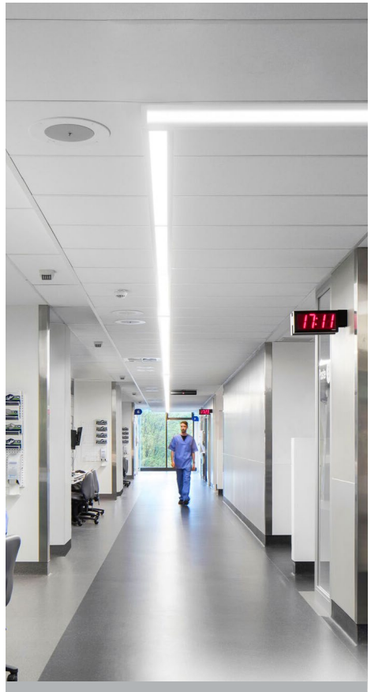
The Pa-Co Team



Lighting Solutions for All Risk Levels

All our health care luminaires for general lighting and patient rooms are offered in both standard and tamper proof/anti-vandal versions. Heavier gauge steel and thicker polycarbonate security lens are the two main modifications that make our fixtures suitable for behavioral and psychiatric facilities.

The higher the security level needed the thicker the steel gauge and security lens will be.



LOW RISK

Staff only areas. No patient use.

MEDIUM RISK

Patient access is controlled, or use is supervised with no solitary and/or unsupervised use.

HIGH RISK

Areas with solitary and/or unsupervised patient use.

Zones and Security levels

COMPARATIVE CATEGORIES	ZONE 1	ZONE 2	ZONE 3
Security Level	Lowest	Moderate	Highest
Security and Compliance Requirements	Closed and locked No access to patients	Patients attended by staff	Patient alone more than 15 min
Rooms / Spaces			
Nurses/Doctors Workrooms	✓		
Team Rooms	✓		
Medicine Rooms	✓		
Staff offices / lounges	✓		
Spaces outside the unit as instructed	✓		
Open nurse station (work area)	✓		
Interview rooms		✓	
Patient Support Rooms		✓	
Corridors		✓	
Living rooms		✓	
Patient Lounge		✓	
Recreational Therapy Room		✓	
Occupational Therapy Room			
Conference/Hearing Room			
Reception room			
Common area with direct line of sight			
Common areas			✓
Sally Ports			✓
Isolation room (staff observation)			✓
Patient bedrooms			✓
Patient toilets/shower rooms			✓
Quiet room			✓
Corridors without a direct line of sight			✓
Common area without a direct line of sight			✓

**** BEHAVIORAL HEALTH DESIGN GUIDE DESIGN GUIDE | BHFC DESIGN CONSULTING (BHFCLLC.COM))***

***** PATIENT SAFETY STANDARDS, MATERIAL AND SYSTEMS GUIDELINES OMH PATIENT SAFETY STANDARDS 27TH EDITION (NY.GOV)***

FINDING THE RIGHT FINISH:

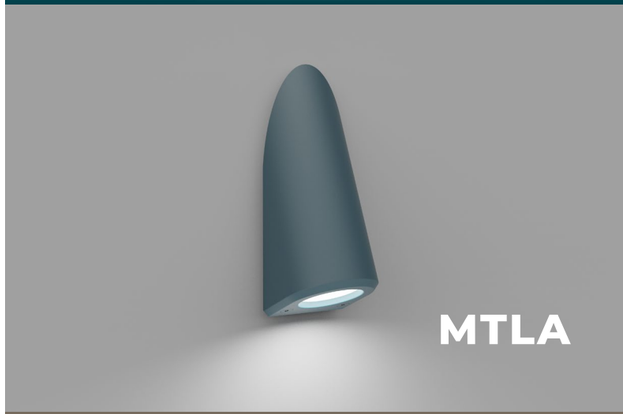
COLOR CHOICES FOR SAFE & SOOTHING SPACES

Color plays a crucial role in creating a more humanized behavioral healthcare environment. That's why we offer new color finish options designed to enhance and bring warmth to patient rooms, recreational spaces, corridors, and common areas. Whether the goal is to foster a calming and reassuring atmosphere or introduce inclusive stimulation, our thoughtfully curated colors help achieve the desired ambiance.

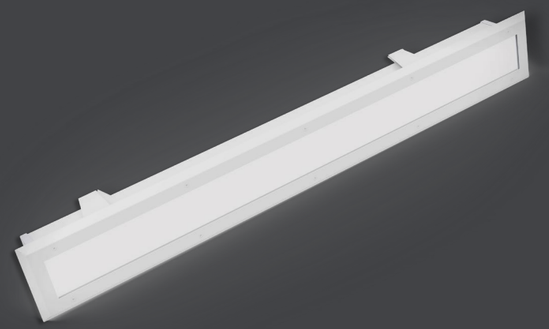
The psychology of color has long played a crucial role in shaping built environments to evoke specific emotions and influence behavior. Nowhere is this more impactful than in healthcare design. Ever noticed how hospitals often feature soft, cool color palettes? This choice is far from random. The hue, saturation, and brightness of colors work together to create an atmosphere that affects how people feel within a space. In hospitals and behavioral health facilities, these colors are intentionally selected to promote calmness, relaxation, and a sense of healing for patients on their journey to recovery.

New Color Finish Options

Matte White	Anti-Microbial	Matte Black	Matte Black	Burnt Orange	Ocean Blue	Matte Beige Grey	Matte Light Grey	Custom Finish



New - VR4A



Recessed Flange, Linear System

The VR4A Recessed is a linear system of LED luminaires that can be integrated into most ceiling types to provide a discreet, flexible general lighting solution for behavioral health environments.

These luminaires deliver up to 1000 Lumens Per Foot. Available in 2F, 4F, 6F or 8F, and continous runs.

VR4A

IP65- RECESSED LINEAR LUMINAIRE

NEW PRODUCT

DOWNLOAD SPEC SHEET & IES FILES:
**** PRODUCT AVAILABLE IN JULY 2025***

VR4A

DIMENSIONS

4" Wide x

2' | 4' | 6' | 8'

LED OPTIONS

2700K 3000K 3500K 4000K 5000K TW 80 CRI 90 CRI COI

FINISHES

Matte White | Anti-Microbial | Matte Black | Burnt Orange | Ocean Blue | Beige Grey | Light Grey | Custom Finish

STANDARDS

cULus LISTED | IK10 | IP65 | NSF | LR Ligature Resistant

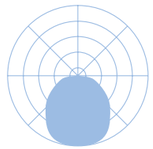
MOUNTING

Recessed Flange and T-Bar / Grid

LUMEN OUTPUT

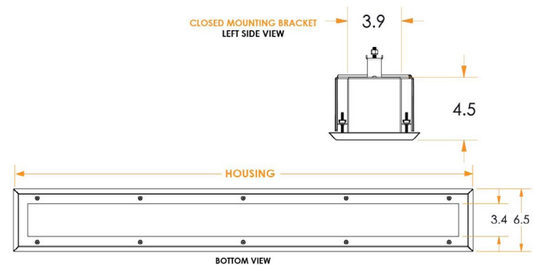
Lumens Per Foot
300
500
750
1000

** Custom lumen package available*



White Opal

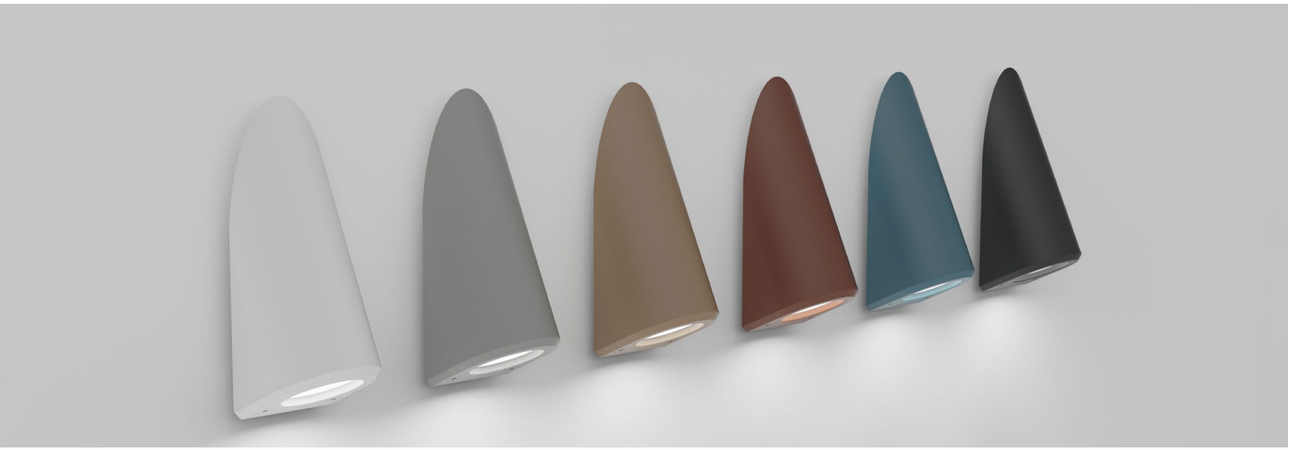
FIXTURE DIMENSIONS



Task Light.

The **MTLA Task Light** combines a robust cast aluminum construction with a powder-coated finish. Its thoughtfully sloped design minimizes ligature risks, while security fasteners provide added tamper resistance.

Users can easily adjust brightness levels with a tactile, touch-sensitive dimming feature, offering a customizable lighting experience.



MTLA

BEHAVIORAL TASK LIGHT

NEW PRODUCT

DOWNLOAD SPEC SHEET & IES FILES: **MTLA**

STANDARDS

FEATURES

Wattage:	3 Watts
Lumens:	100 Lm | 200 Lm | 300 Lm
LED CRI:	≥90Ra
Voltage:	120-277V
Optic Distribution:	Narrow Beam | Wide Beam
IP Grade:	IP65
Warranty:	50,000 Hours | 5 Years

APPLICATIONS

- Patient rooms
- Behavioral health patient rooms
- Nursing homes

LED OPTIONS

2700K 3000K 3500K 4000K 90 CRI

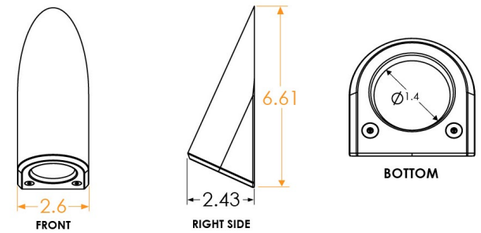
FINISHES

Matte White | Anti-Microbial | Matte Black | Burnt Orange | Ocean Blue | Beige Grey | Light Grey | Custom Finish

MOUNTING

Wall mount

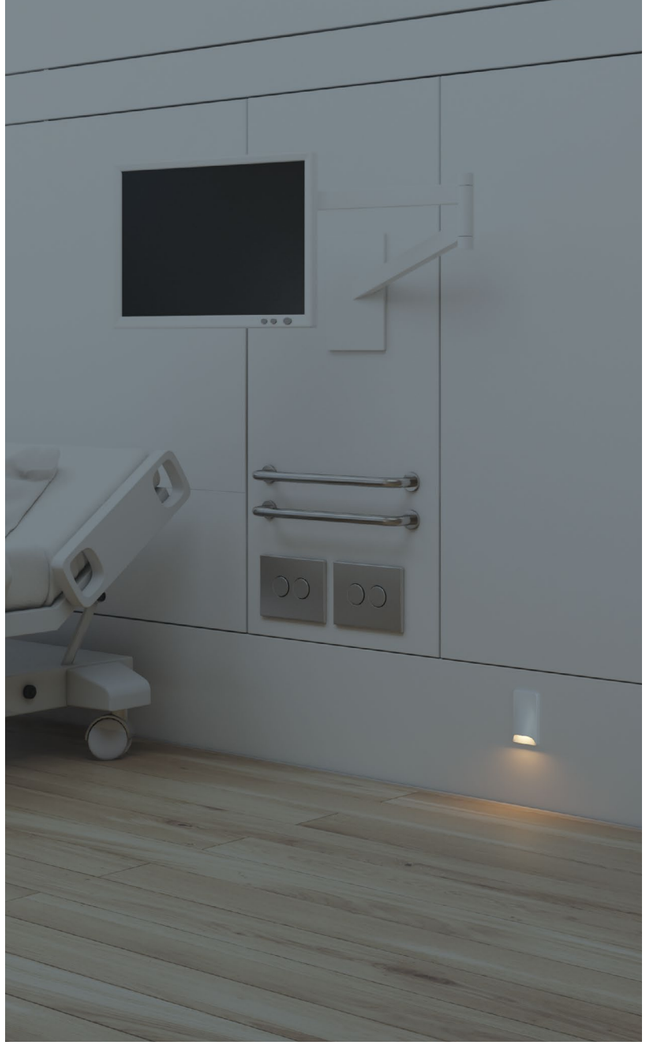
FIXTURE DIMENSIONS



Steplight.

The MNLA Steplight is the ultimate solution for behavioral facilities requiring robust housings and tamper-resistant fasteners to prevent contraband storage.

This fixture is designed to seamlessly integrate into hallways, restrooms, behavioral health facilities, corridors, and any space demanding high performance and Vandal-resistant.



MNLA

STEPLIGHT FOR BEHAVIORAL FACILITIES

NEW PRODUCT

DOWNLOAD SPEC SHEET & IES FILES: ***MNLA***

STANDARDS

cULus LISTED · IK10 · IP65 · NSF · LR Ligature Resistant

LUMEN OUTPUT

Lumens*	Led options	Wattage
20	White	0.80
50	White	1.50
100	White	2.50
20	Amber	0.81
50	Amber	1.52
100	Amber	2.56

** Custom lumen package available*

APPLICATIONS

- Behavioral Healthcare Facilities
- Retirement homes
- Chronic care facilities

LED OPTIONS

90 CRI

2700K *3000K* *3500K* *4000K*

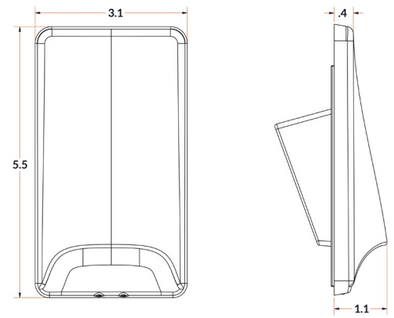
FINISHES

Matte White · Anti-Microbial · Matte Black · Burnt Orange · Ocean Blue · Beige Grey · Light Grey · Custom Finish

MOUNTING

Wall mount

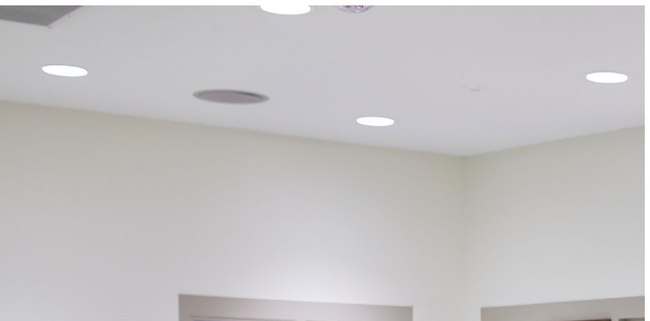
FIXTURE DIMENSIONS

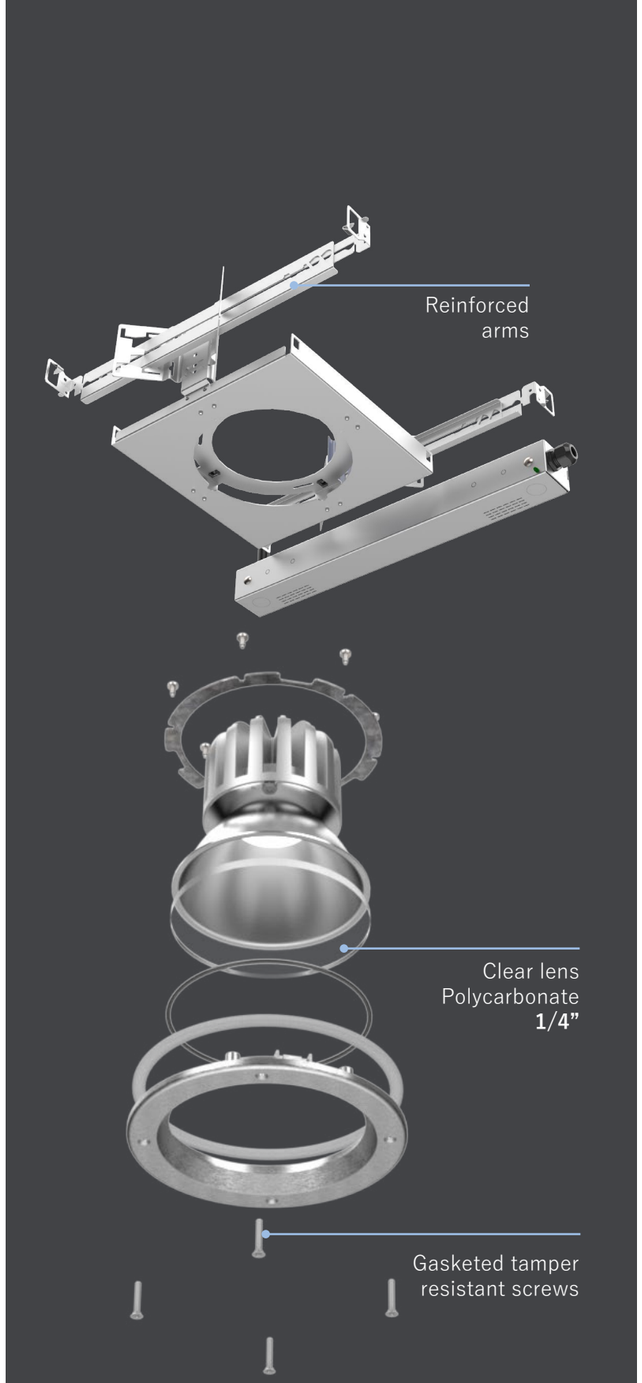


MEDOLIA

SEALED DOWNLIGHTS

The Medolia family offers a complete solution of institutional downlights designed to meet the most stringent performance, safety, appearance, and flexibility needed for specialty applications.





MDA4 / MDA6

IMPACT RESISTANT DOWNLIGHT

DOWNLOAD SPEC SHEET & IES FILES: **MDA4**

DOWNLOAD SPEC SHEET & IES FILES: **MDA6**

STANDARDS

DIMENSIONS

4” *MDA4*

6” *MDA6*

LED OPTIONS

2700K *3000K* *3500K* *4000K* *5000K* *TW* 80 CRI 90 CRI

Amber / Red Night Light optional

MOUNTING

Recessed

LUMEN OUTPUT

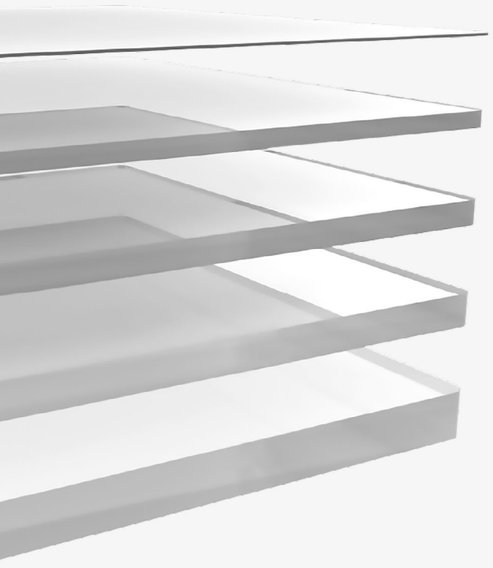
Lumens*	Led options
500	White
1000	White
2000	White
3000	White
1500 / 200	White / Red
1500 / 300	White / Amber
200	Red
300	Amber

** Custom lumen package available*

TRIM FINISH OPTIONS

Matte White · Anti-Microbial · Matte Black · Burnt Orange · Ocean Blue · Beige Grey · Light Grey · Custom Finish

LENS TYPE



DIFFUSER
Direct lighting and reduce glare
(frosted, white opal or prismatic)

POLYCARBONATE (0.125")
SECURITY LEVEL "MINIMUM"

POLYCARBONATE AND TEMPERED GLASS
(0,187" or 0.250")
SECURITY LEVEL "MEDIUM"

POLYCARBONATE AND TEMPERED GLASS
(0.375")
SECURITY LEVEL "MAXIMUM"

POLYCARBONATE AND TEMPERED GLASS
(0.500")
SECURITY LEVEL "SUPER MAXIMUM"

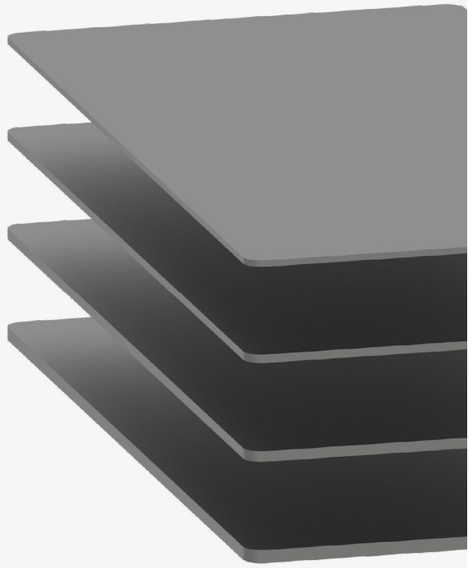
STEEL GAUGE

18 GAUGE
SECURITY LEVEL "MINIMUM"

16 GAUGE
SECURITY LEVEL "MEDIUM"

14 GAUGE
SECURITY LEVEL "MAXIMUM"

12 GAUGE
SECURITY LEVEL "SUPER MAXIMUM"



IK 10 IMPACT RESISTANT

LIGATURE RESISTANT

CONTROLLED ENVIRONMENTS

IP65 / IP66

MATERIAL VS SECURITY LEVELS

TAMPER-RESISTANT FASTENERS

Our fixtures are secured with tamper-resistant fasteners featuring specialized heads, designed to deter unauthorized access and prevent damage.

These fasteners require a dedicated tool for removal, ensuring enhanced security and reliability.

IMPACT-RESISTANT LENS

For high-abuse environments, luminaires are fitted with impact-resistant polycarbonate lenses.

These lenses safeguard internal components while maintaining optimal light transmission.

MOUNTING TYPE

Our luminaires are thoughtfully engineered for surface, recessed, and wall-mounted applications, with features tailored to meet the unique safety requirements of behavioral health environments.

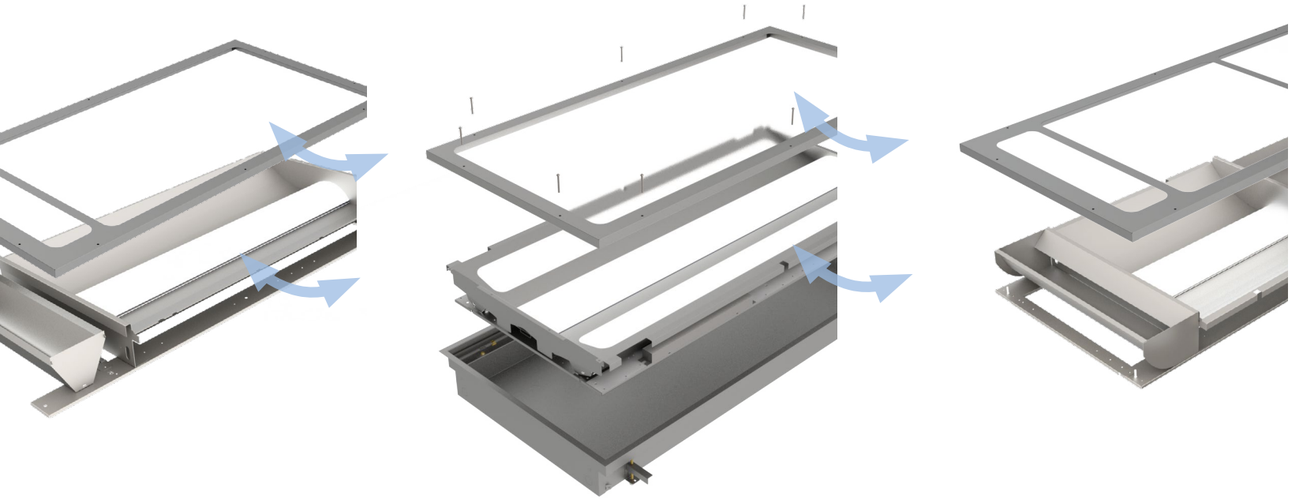
Designed to minimize the risk of self-harm, ensuring both patient safety and long-term performance in high-risk areas.

COMPLIANCE WITH HEALTHCARE STANDARDS

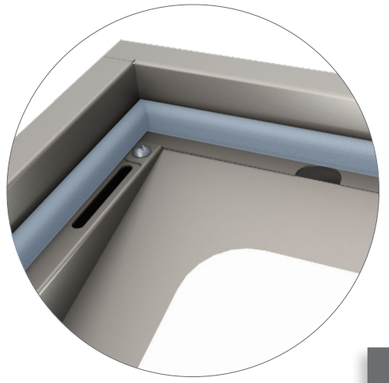
Our luminaires are designed to meet the highest safety and hygiene standards, ensuring full compliance with industry regulations while prioritizing patient well-being and protection.

The MRGA Series

The MRGA Series is thoughtfully engineered with a standardized housing that seamlessly adapts to both T-bar and plaster installations. Its innovative gasketed door system ensures consistent, high-quality production, assembly, and performance. What sets the MRGA Series apart is its modular interior design, allowing for a variety of lens and lighting configurations tailored to the specific needs of patient rooms and other behavioral health environments.



Modular system, gasketed design...IP65!

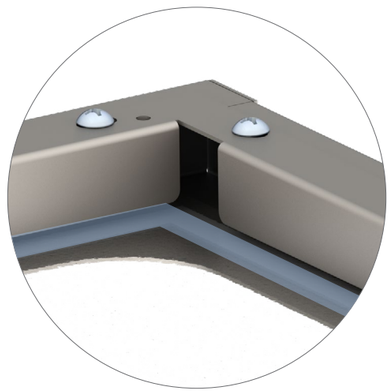


Housing Gasket

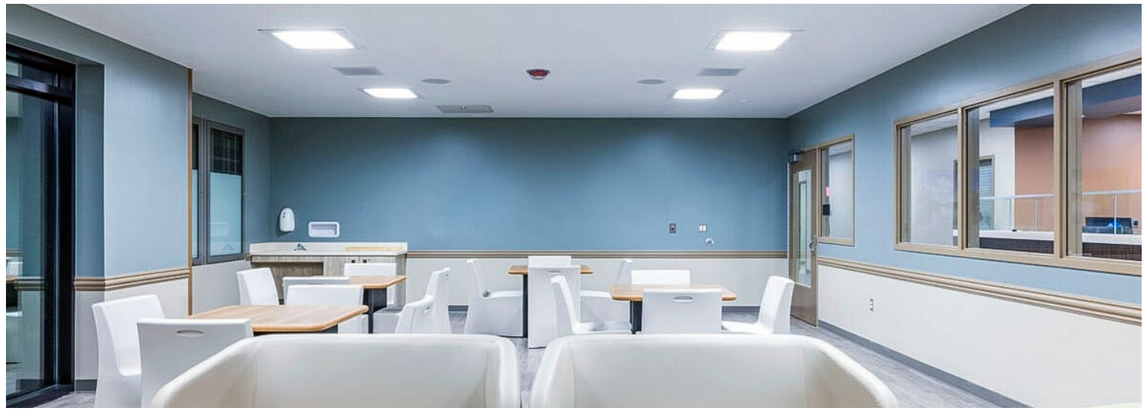
"D-Shape" Gasket
High quality D-Shape gasket provides a perfect seal between the door and the housing. The hollow shape assures a long lasting dust and water tight seal after multiple door openings.

Door Lens gasket

.125" Thick "EPDM"
The lenses for all MR Series are gasketed between the door and its frame. Stainless steel fasteners all around the frame guarantees a tight fit between the lens and gasket.



General Lighting



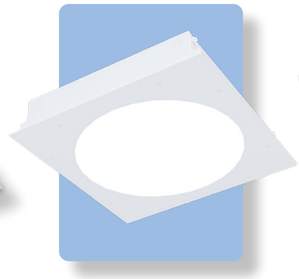
Our **MRGA and MDA Series** offers a complete range of luminaires specifically designed for general lighting in behavioral health facilities. These sealed, washable fixtures feature convenient front door access for easy maintenance, combining a sleek, modern aesthetic with the technical specifications required for behavioral health installations.

Notably, this product line is **ligature-resistant** and constructed with enhanced durability, ensuring safety and longevity without compromising on design.

MRGA1

MRGA2

MRGA3



MRGAL

General Lighting Recommendations

General	Illumination Standards (fc)
Corridors (day)	10 to 20
Corridors (night)	5
Offices (general)	30
Offices (examination)	75 to 100
Sorting room	40
Waiting areas	30

(ANSI-IES RP-29-22)

MRGA1 / MRGA2

RECESSED LED LUMINAIRE 1X4, 2X2, & 2X4

DOWNLOAD SPEC SHEET & IES FILES: **MRGA1**

DOWNLOAD SPEC SHEET & IES FILES: **MRGA2**

STANDARDS

cULus LISTED · IK10 · IP65 · NSF · LR Ligature Resistant · IC Rated

DIMENSIONS

1'x 4' | 2'x 2' | 2'x 4'

LED OPTIONS

2700K · 3000K · 3500K · 4000K · 5000K · TW · 80 CRI · 90 CRI · COI

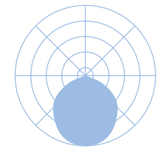
MOUNTING

T-Bar / Plaster

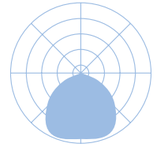
LUMEN OUTPUT

Dimensions	Lumens*
1'x4'	3000
	4000
	6000
2'x2'	3000
	4000
	6000
2'x4'	4000
	6000
	8000
	10,000

** Custom lumen package available*



White Opal



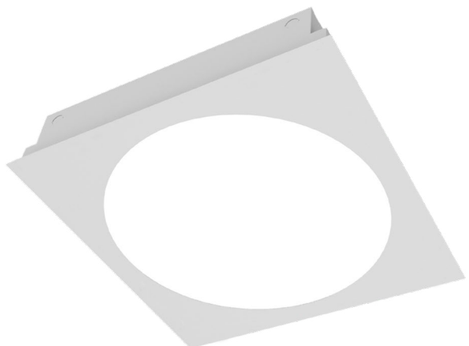
Perforated basket

SECURITY LENS OPTIONS

- **M1** | Clear Polycarbonate (1/8")
- **M3** | Clear Polycarbonate (3/16")
- **M4** | Clear Polycarbonate (1/4")
- **M5** | Clear Polycarbonate (3/8")
- **M6** | Clear Polycarbonate (1/2")

MRGA3

RECESSED GENERAL AMBIENT LUMINAIRE 2X2



DOWNLOAD SPEC SHEET & IES FILES: MRGA3

DIMENSIONS

2'x 2'

LED OPTIONS

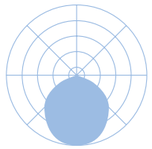
2700K 3000K 3500K 4000K 5000K TW 80 CRI 90 CRI COI

MOUNTING

Recessed

LUMEN OUTPUT

Dimensions	Lumens*
2'x2'	3000
	4000
	6000



White Opal

** Custom lumen package available*

LENS OPTIONS

- **H1** | White Opal Acrylic
- **FA1** | Prismatic Acrylic
- **L5** | White Frosted Polycarbonate

STANDARDS

MRGAL

SPECIFICATION-GRADE LINEAR LUMINAIRE

DOWNLOAD SPEC SHEET & IES FILES: MRGAL

DIMENSIONS

2' 4' 6' 8'

LED OPTIONS

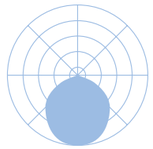
2700K 3000K 3500K 4000K 5000K TW 80 CRI 90 CRI COI

MOUNTING

Recessed

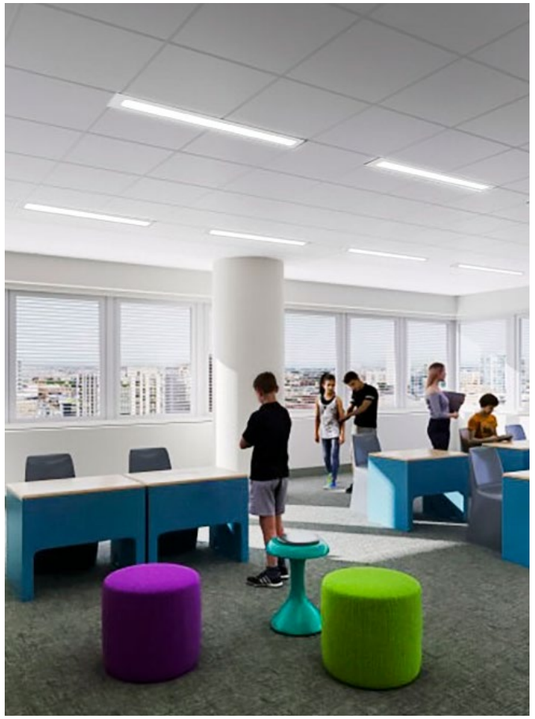
LUMEN OUTPUT

Lumens Per Foot
500 Lumens Per Ft
750 Lumens Per Ft
1000 Lumens Per Ft
1500 Lumens Per Ft



White Opal

** Custom lumen package available*



SECURITY LENS OPTIONS

- **M1** | Clear Polycarbonate (1/8'')
- **M3** | Clear Polycarbonate (3/16")
- **M4** | Clear Polycarbonate (1/4")
- **M5** | Clear Polycarbonate (3/8")
- **M6** | Clear Polycarbonate (1/2")

STANDARDS

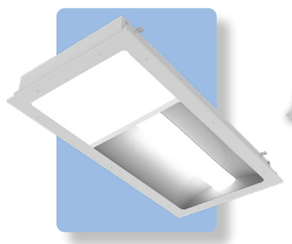
Multifunction / Patient Room

Pa-Co's MRPA series is a complete line of multifunction recessed luminaires created specifically for patient rooms. Featuring multiple compartments for ambient, exam and/or reading illumination (depending on the model), the MRPA series luminaires are conceived for functionality and enhanced patient experience. All MRP models are sealed washable fixtures with front door access for easy maintenance and a clean modern design. In addition, the MRPA series can be built for compatibility with wide range of sophisticated control systems as well as patient-controlled nurse call system (low voltage relay ready) or wall switches.

MRPA1

MRPA2

MRPA3



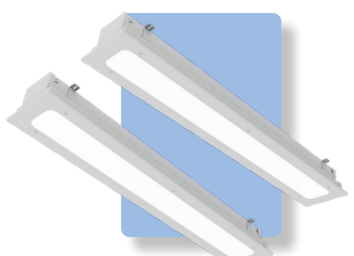
MRPA4

Patient Rooms Lighting Recommendations

Patient Room	Illumination standards (fc)
Ambient	10 to 20
Reading	30 to 40
Exam	75 to 100
Night Light	2
Bathroom	15

(ANSI-IES RP-29-22)

MRP5 / MRPA5



MRPA1

PATIENT ROOM RECESSED LED LUMINAIRE

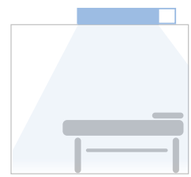
DOWNLOAD SPEC SHEET & IES FILES: **MRPA1**

DIMENSIONS

2'x 4'

FUNCTIONS:

- Ambient
- Reading



Ambient

Reading

**Based on book held at 45°*

STANDARDS

LED OPTIONS

2700K 3000K 3500K 4000K 5000K TW

Amber / Red Night Light optional

MOUNTING

T-Bar / Plaster

LUMEN OUTPUT

Function	Lumens*	Avg. Illuminance**
Ambient	3000	16 fc
	4000	21 fc
Reading	1500	18 fc
	2500	31 fc

** Custom lumen package available*

***For illustrative purposes only based on a 10' x 10'x 9' room and subject to a number of assumptions based on the specific configuration of the room.*

MRPA2

RECESSED LUMINAIRE(EXAM, AMBIENT, READING)

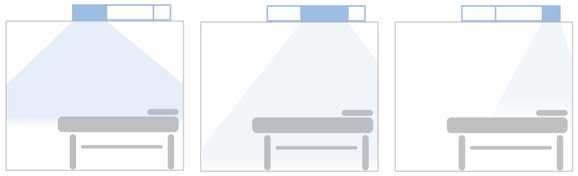
DOWNLOAD SPEC SHEET & IES FILES: **MRPA2**

DIMENSIONS

2'x 4'

FUNCTIONS:

- Exam
- Ambient
- Reading



Exam *Ambient* *Reading*

**Based on book held at 45°*

STANDARDS

LED OPTIONS

2700K 3000K 3500K 4000K 5000K TW 80 CRI 90 CRI COI

Amber / Red Night Light optional

MOUNTING

T-Bar / Plaster

LUMEN OUTPUT

Function	Lumens*	Avg. Illuminance**
Exam	8000	91 fc
	9000	103 fc
Ambient	3000	16 fc
	4000	21 fc
Reading	1500	18 fc
	2500	31 fc

** Custom lumen package available*

***For illustrative purposes only based on a 10' x 10'x 9' room and subject to a number of assumptions based on the specific configuration of the room.*

MRPA3

PATIENT ROOM RECESSED LED LUMINAIRE

DOWNLOAD SPEC SHEET & IES FILES: **MRPA3**

DIMENSIONS

2'x 4'

FUNCTIONS:

- Exam
- Ambient

Exam *Ambient*

STANDARDS

LED OPTIONS

2700K 3000K 3500K 4000K 5000K TW 80 CRI 90 CRI COI

MOUNTING

T-Bar / Plaster

LUMEN OUTPUT

Function	Lumens*	Avg. Illuminance**
Exam	8000	91 fc
	9000	103 fc
Ambient	3000	16 fc
	4000	21 fc

** Custom lumen package available*

***For illustrative purposes only based on a 10' x 10'x 9' room and subject to a number of assumptions based on the specific configuration of the room.*

MRPA4

RECESSED LUMINAIRE(EXAM & AMBIENT)

DOWNLOAD SPEC SHEET & IES FILES: **MRPA4**

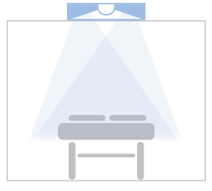
DIMENSIONS

2'x 2'

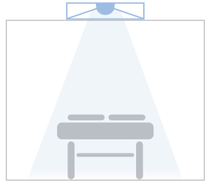
2'x 4'

FUNCTIONS:

- Exam
- Ambient



Exam



Ambient

STANDARDS

LED OPTIONS

2700K 3000K 3500K 4000K 5000K TW

**TW available in ambient only*

Amber / Red Night Light optional

MOUNTING

T-Bar / Plaster

LUMEN OUTPUT

Function	Lumens*	Avg. Illuminance**
Exam	7000	89 fc
	10000	112 fc
Ambient	3000	16 fc
	4000	21 fc

** Custom lumen package available*

***Avg. Illuminance; For illustrative purposes only based on a 10' x 10'x 9' room and subject to a number of assumptions based on the specific configuration of the room.*

MRPA5

RECESSED PATIENT ROOM LINEAR LUMINAIRE

DOWNLOAD SPEC SHEET & IES FILES: **MRPA5**

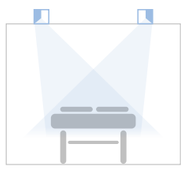
DIMENSIONS

8'' Wide x 4'

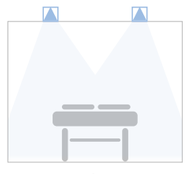
*** Must be Specified in Pairs Left & Right**

FUNCTIONS:

- Exam
- Ambient
- Night light



Exam



Ambient

Night Light

STANDARDS

LED OPTIONS

2700K 3000K 3500K 4000K 5000K TW

Amber / Red Night Light optional

MOUNTING

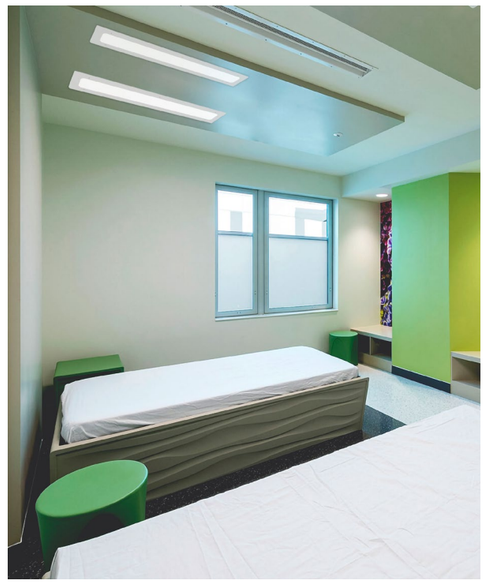
T-Bar / Plaster

LUMEN OUTPUT (L & R COMBINED)

Function	Lumens*	Wattage
Exam	(9,500 lm / pair)	78W
Ambient	(6,000 lm / pair)	60W
Exam + Ambient	(15,500 lm / pair)	112W

** Custom lumen package available*

***For illustrative purposes only based on a 10' x 10'x 9' room and subject to a number of assumptions based on the specific configuration of the room.*



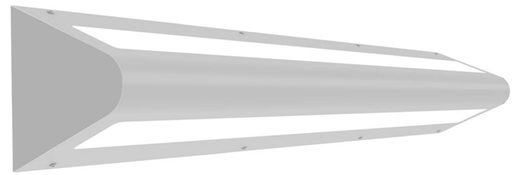
Bedlight.

The **MURA Wall-Mounted** Luminaire, available in 2, 3, and 4-foot lengths, is engineered for high-security and anti-vandal applications.

This specification-grade fixture offers direct/indirect lighting through dual apertures and is designed to be ligature-resistant with continuous welded seams for added strength.

MURA

LUMINAIRE WITH BI-DIRECTIONAL DISTRIBUTION



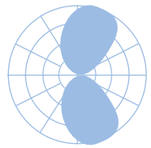
DOWNLOAD SPEC SHEET & IES FILES: **MURA**

STANDARDS

cULus LISTED · IK10 · IP65 · NSF · LR Ligature Resistant

LUMEN OUTPUT

Function	Lumens
Down Light	2000
	4000
	6000
Up Light	2000
	4000
	6000
Night Light	500



White Opal

** Custom lumen package available*
***Night Light only available in 4'*

DIMENSIONS

2' 3' 4'

LED OPTIONS

2700K 3000K 3500K 4000K 5000K 80 CRI 90 CRI

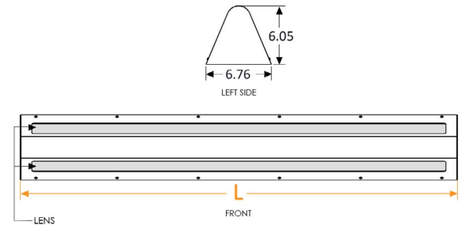
FINISHES

Matte White · Anti-Microbial · Matte Grey

MOUNTING

Wall mount

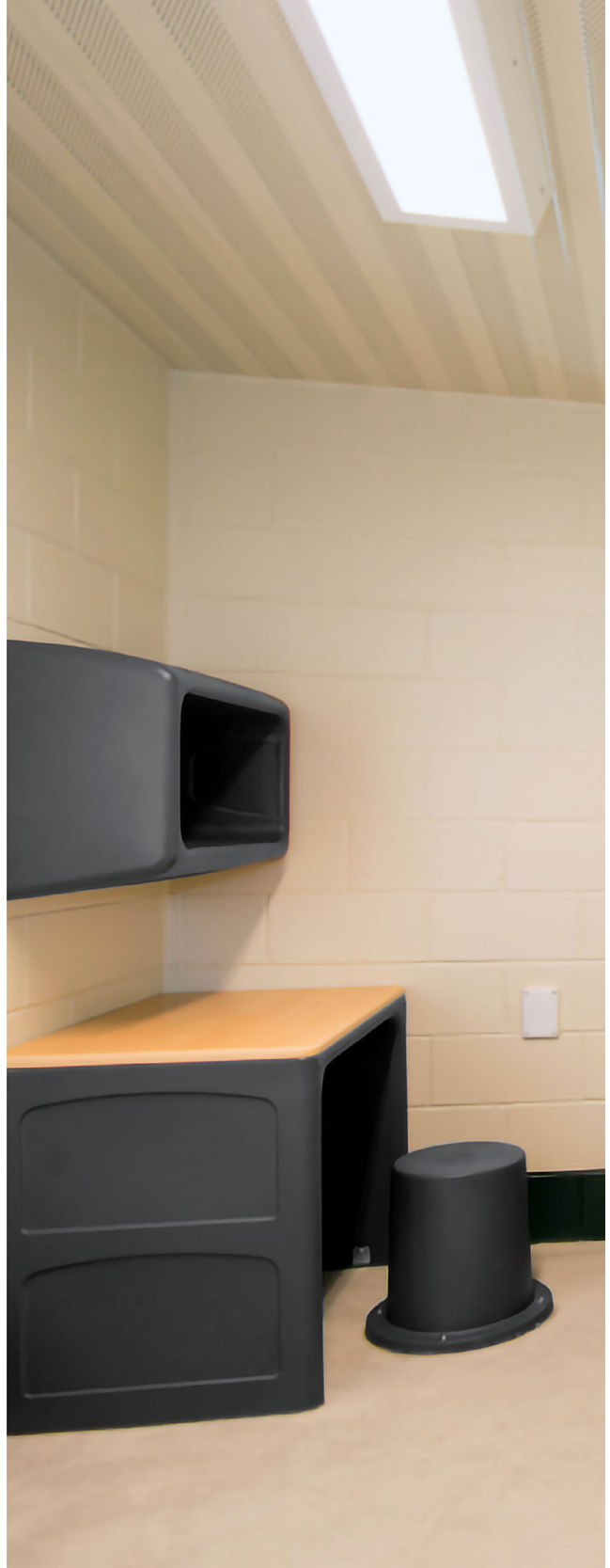
FIXTURE DIMENSIONS



	L
MURA 2F	23.5
MURA 3F	34.5
MURA 4F	45.25

PUWA

The PUWA Tamper-Resistant Surface Mount Luminaire delivers top-notch security and durability, ideal for high-risk environments. With its robust construction and anti-ligature design, it stands up to vandalism and tampering. Perfect for correctional facilities, locker rooms, and public areas where safety and resilience are paramount.



PUWA

TAMPER PROOF SURFACE MOUNT LUMINAIRE

DOWNLOAD SPEC SHEET & IES FILES: **PUWA**

DIMENSIONS

2′ 4′

LED OPTIONS

2700K 3000K 3500K 4000K 5000K TW 80 CRI 90 CRI

FINISHES

Matte White · Anti-Microbial · Matte Grey

STANDARDS

cULus LISTED · IK10 · LR Ligature Resistant

MOUNTING

Surface Mount

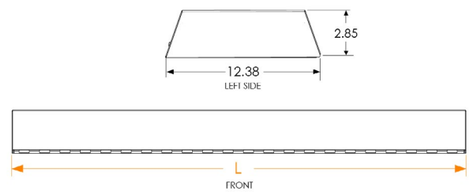
LUMEN OUTPUT

Dimensions	Lumens
2F (23” long)	3,000
	4,000
4F (45” long)	4000
	6000
	8000

White Opal

** Custom lumen package available*

FIXTURE DIMENSIONS



PUWA	L
2F	23.35
3F	34.25
4F	45.25

Key Considerations

When Choosing Fixtures for Behavioral Facilities:

Ligature Resistant

Ligature resistant, no cutting, tamper resistant, cannot be use as a weapon and no contraband storage.

Vandal Resistant

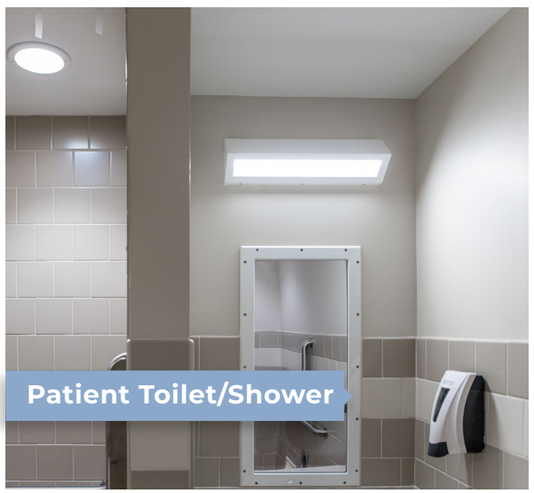
Heavy gauge steel, polycarbonate security lens, tamperproof fasteners. Built to resist heavy impacts.

Durable

Long lasting LED boards and drivers, heavy duty housings and lenses for low-maintenance peace of mind.

Sealed for Safety & Security

To ensure optimal safety and security, lighting should be IP-certified to prevent dust and water ingress, minimize the risk of self-injury, and resist the spread of bacteria.



Illuminating Wellness: The Role of Behavioral Health Lighting

At Pa-Co Lighting, we are dedicated to crafting luminaires that address the unique challenges of behavioral health spaces.

In behavioral health settings, where patients may experience heightened stress or anxiety, the impact of lighting is particularly critical.

Research consistently highlights the significant effect of lighting on patient outcomes in behavioral health environments. Well-designed lighting can:

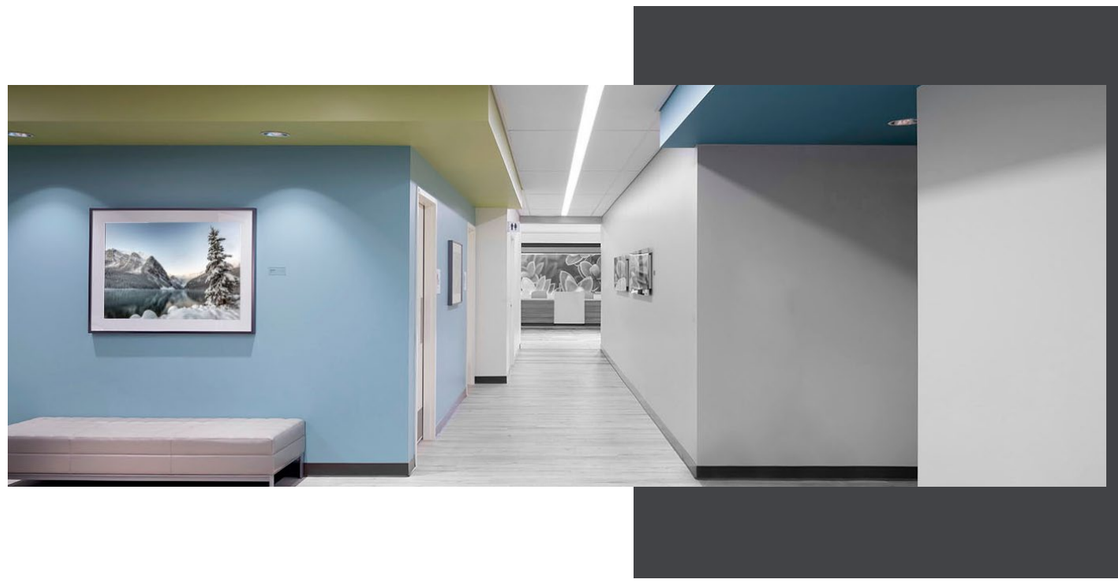
Reduce Symptoms of Depression and Anxiety: Thoughtfully crafted lighting can create a calming atmosphere that alleviates feelings of distress.

Enhance Sleep Quality and Duration: Optimal lighting conditions support better sleep patterns, essential for recovery and mental clarity.

Boost Patient Satisfaction and Engagement in Therapy: A comfortable and inviting environment fosters a more positive therapeutic experience.

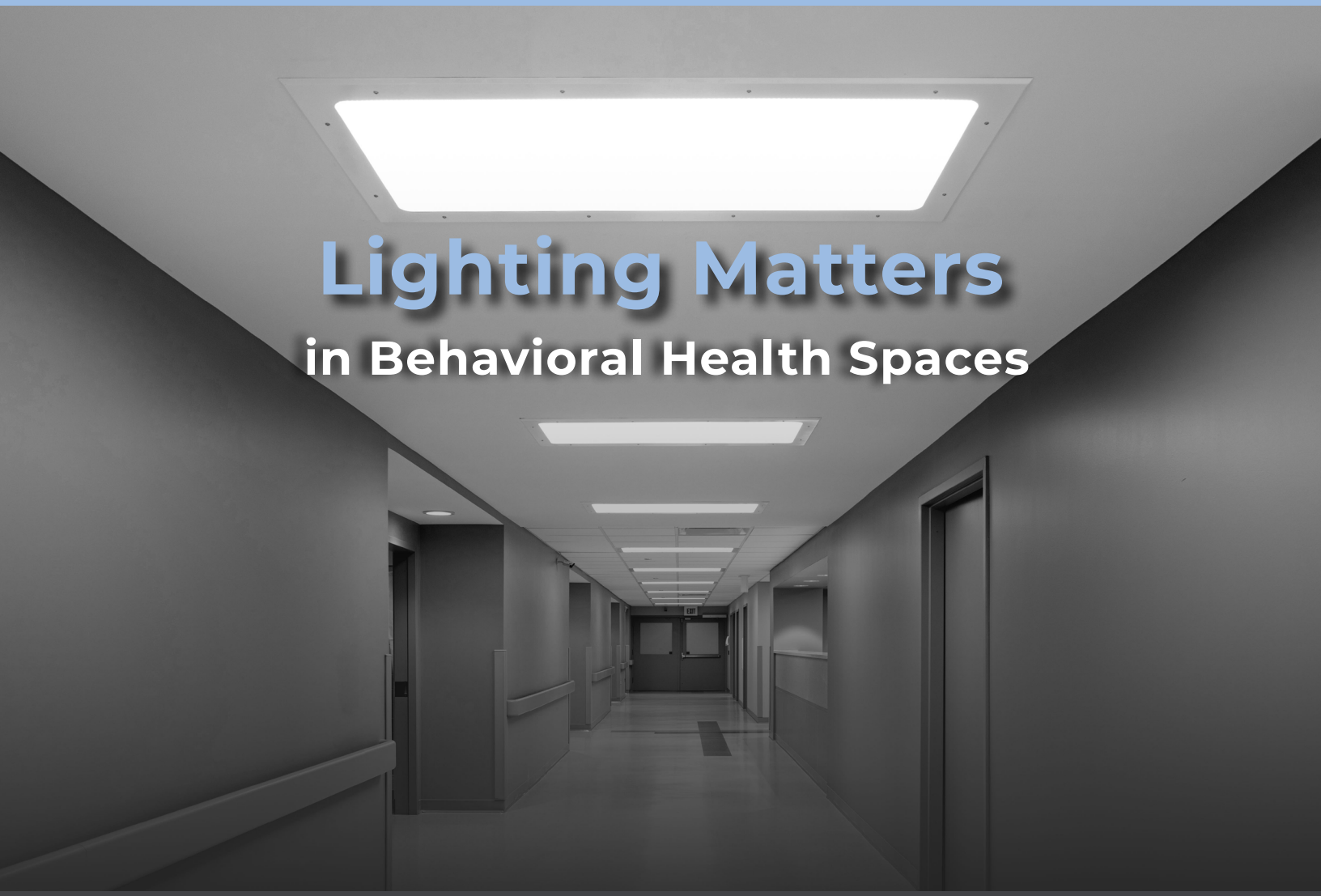
Accelerate Recovery Rates: Appropriate lighting can contribute to faster healing by promoting a sense of safety and well-being.

By addressing the unique sensory needs and challenges faced by individuals with mental health conditions, behavioral health lighting plays a vital role in a holistic care approach that encompasses both physical and psychological well-being.



SCAN ME

Visit Our Website!



Lighting Matters

in Behavioral Health Spaces

Follow Us:

LinkedIn Facebook Instagram

info@pacolighting.com
www.pacolighting.com