HEALTHCARE LIGHTING®

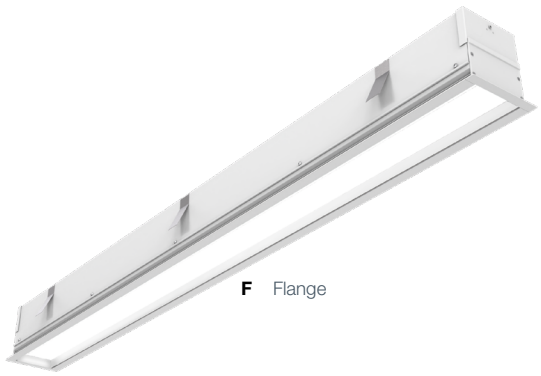
HPL

Single Function Recessed Tunable White Luminaire

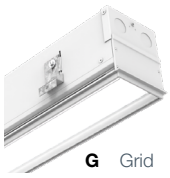
SPECIFICATIONS

Type:

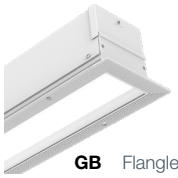
Project:



F Flange



G Grid



GB Flangless Mud-In

HIGHLIGHTS

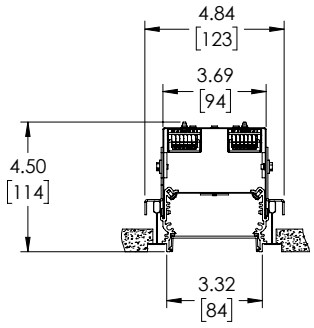
- Single function ambient light fixture with 2700K to 6500K tunable white capabilities
- Recessed 4" x 24"/ 36"/ 48" / 72"/ 96" nominal lengths
- Versatile mounting trims for sheet rock with flange, sheet rock trimless mud-in, or grid ceiling types
- Snap-in acrylic lens provides uniform illumination
- Symmetric or Asymmetric light distributions available
- nLight® nTune wired interface
- IP64 Wet Location standard, NSF Splash Zone 2 optional

TYPICAL HEALTHCARE APPLICATIONS

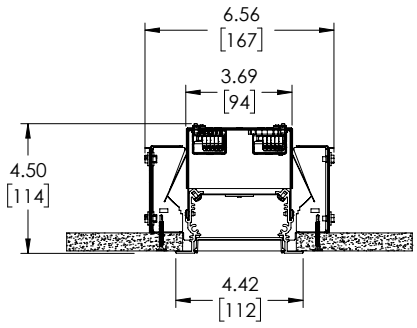
- Nursing Stations, Hallways, Circulation Areas, Long Term Care, Memory Care

DIMENSIONS

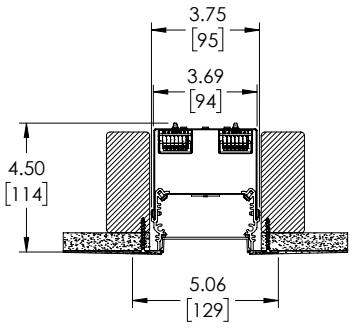
G Grid



F Flange



GB Trimless Mud-In



PERFORMANCE DATA

Lumen Output

Lumen values are from photometric tests from an accredited laboratory. Data is considered to be representative of the configurations shown, within generally accepted industry tolerances.
*Performance data based upon 48LONG/RHYR(27K/46K/65K)/90CRI

Ambient Nominal Lumens/FT	500LMF						750LMF						1000LMF						1300LMF					
Distribution	ASD			SYD			ASD			SYD			ASD			SYD			ASD			SYD		
CCT	27K	46K	65K	27K	46K	65K	27K	46K	65K	27K	46K	65K	27K	46K	65K	27K	46K	65K	27K	46K	65K	27K	46K	65K
Delivered Lumens/FT	663	642	725	701	678	767	926	950	1016	979	1005	1074	1086	1198	1250	1148	1267	1321	1406	1461	1446	1486	1545	1529
Input Watts/FT	6.5	5.5	6.0	6.5	5.5	6.0	9.5	8.3	9.0	9.5	8.3	9.0	12.0	10.5	11.5	12.0	10.5	11.5	14.8	13.8	14.5	14.8	13.8	14.5
Lumens/Watt	102	117	121	108	123	128	98	115	113	103	122	119	91	114	109	96	121	115	95	106	100	101	112	105
AVG Input Watts/FT	6			6			9			9			11			11			14			14		
AVG Lumens/Watt	113			120			108			115			104			110			100			106		

© 2021-2024 Acuity Brands Lighting, Inc. All Rights Reserved. "Healthcare Lighting" is a registered trademark of Acuity Brands Lighting.
Products herein may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice.

HEALTHCARE LIGHTING®

HPL

Single Function Recessed Tunable White Luminaire

Type:

Project:

A+ Capable options indicated by this color background.

CATALOG NUMBER

Example: HPL 48LONG G MVOLT SYD TUWH RHYR 750LMF NLT DARK MWAM

Series	Size	Mounting	Voltage	Distribution	Dynamic Feature
HPL Healthcare Patient Linear	**24LONG** 24" Nominal Length **36LONG** 36" Nominal Length **48LONG** 48" Nominal Length **72LONG**[1] 72" Nominal Length **96LONG**[1] 96" Nominal Length	**F** Flange **G** Grid **GB** Flangeless Sheetrock Mud-In	**MVOLT** 120-277 Volt	**ASD** Asymmetrical Distribution **SYD** Symmetrical Distribution	**TUWH** Tunable White

Dynamic Range	Output	Ambient LED Color Rendering	Control Input	Minimum Dimming Level
RHYR Rhythm Range (2700K-6500K)	**500LMF** 500 Nominal Lumens per Foot **750LMF** 750 Nominal Lumens per Foot **1000LMF** 1000 Nominal Lumens per Foot **1300LMF** 1300 Nominal Lumens per Foot	**90CRI** 90CRI	**NLT** nLight nTune Interface	**DARK** Constant Current, Dimming to <1%

Emergency	Finish
<Blank> Option Not Required **NLTEMG** nLight with nTune for Use with Generator Supply EM Power	**BZAM** Bronze Anti-Microbial **GWAM** Gloss White Antimicrobial **MWAM** Matte White Antimicrobial **GBKAM** Gloss Black Antimicrobial **MBKAM** Matte Blank Antimicrobial **SIAM** Silver Gloss Antimicrobial **RALTBD** RAL Paint Finish *RALTBD for pricing only. Replace w/ applicable RAL call out when ready to order. See the Architectural RAL Color Brochure for available options.* *NSF only available w/ GWAM and MWAM.*

Notes

1. Not available w/ 1000LMF or 1300LMF

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

© 2021-2024 Acuity Brands Lighting, Inc. All Rights Reserved. "Healthcare Lighting" is a registered trademark of Acuity Brands Lighting. Products herein may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice.

MAINSTREAM DYNAMIC BY ACUITY BRANDS

HPL

Single Function Recessed Tunable White Luminaire

Type:

Project:

SPECIFICATIONS

Housing
Extruded aluminum ceiling trim with cast aluminum endcaps and fabricated 18 gauge cold-rolled steel upper electronics channel housing.

Lens
Extruded 1/16" translucent acrylic snap-in lens.

Reflector
Formed painted steel with gloss white powder coat.

Distribution
Symmetric (SYD) with standard lens or 20° Asymmetric (ASD) distribution with standard lens and inner angled boards.

Finish
Painted in durable polyester powder coat paint with antimicrobial* additive. Available in six standard solid colors. Consult tech support for custom colors or specify RAL colors from Architectural RAL Color brochure.
*Antimicrobial properties are built in to inhibit the growth of bacteria that may affect this product. The antimicrobial properties do not protect users or others against bacteria, viruses, germs, or other pathogens.

Mounting
Three recessed ceiling only installation options available. Grid (G) mount for 9/16" or 15/16" lay-in or tegular grid ceiling systems. Flanged (F) mounting for post sheet rock install with above ceiling installation clip retention system for ½" (min) to 5/8" (max) drywall. Flangeless/trim-less sheet rock mud-in (GB) mounting for post sheet rock install secured to sheet rock. Reference installation instructions for more information.

Source
Multiple LED lumen packages provided for Rhythm range of 2700k-6500k in 90CRI. All endpoints falling within 2.5 step MacAdam ellipses.

LED Life
LED rated for >60,000 hours L80 at 25°C ambient temperature.

LED Driver
Driver provides smooth, continuous, flicker free dimming to dark <1%. THD < 20%. Insignificant inrush current at 120 and 277VAC. FCC Class A and B tested for EMI and RFI. Acuity luminaires incorporating eldoLED LED drivers perform within the recommended operating areas for flicker as a function of frequency and modulation (%) outlined in IEEE Standard 1789-2015 (IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers), in typical operating conditions at representative dimming levels. Driver will be set for Logarithmic dimming curve.

Luminaire Surge Protection Level
Designed to withstand up to 2kV.

Voltage
120 through 277 VAC in 50 through 60Hz.

Emergency (Optional)
Optional emergency circuit (NLTEMG) available.

Mainstream Dynamic with nTune Technology
This luminaire is enabled with nTune technology, meaning it has the ability to communicate digitally over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of timeclock control, remote status monitoring, and control via SensorView software

Controls and System Networking Options
Wired networking via Cat-5e (by others).

Fixture Weight
Weight may vary depending upon options or accessories selected.

SIZE	BASE	
	lbs	kg
24LONG	6.5	2.9
36LONG	9.0	4.1
48LONG	11.5	5.2
72LONG	16.5	7.5
96LONG	21.5	9.8

Environment
Wet location listed, IP64 rated from below fixture.

Ambient Operating Temperature
-20°C (-4° F) to +25°C (+77°F).

Ambient Operating Humidity
<80% relative humidity non-condensing

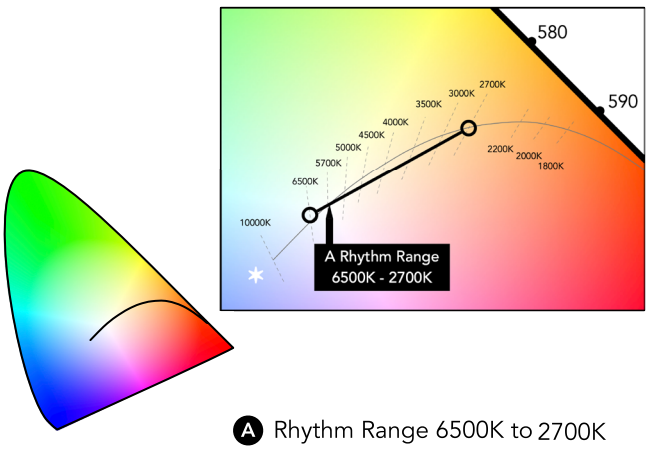
Certification
CSA certified to meet U.S. and Canadian standards (UL1598 and UL8750) and CAN/CSA C22.2 No. 250.0. IC rated. Certified for NSF Splash Zone 2.

Government Procurement
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Warranty
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

TUNABLE WHITE GAMUT AND RANGE



A Rhythm Range 6500K to 2700K

Tunable White GPHD
- **Gamut:** One dimensional Warm-Cool (WiC)
- **Path:** Single-segment 6500K to 2700K (Rhythm Range)
- **Handle:** Two Handles: Intensity and CCT
- **Data:** nLight with nTune technology for both handles of control

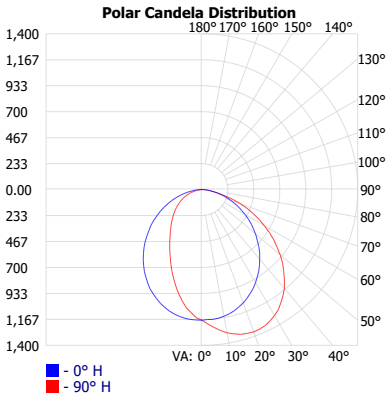
© 2021-2024 Acuity Brands Lighting, Inc. All Rights Reserved. "Healthcare Lighting" is a registered trademark of Acuity Brands Lighting.
Products herein may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice.

PHOTOMETRICS

Consult www.acuitybrands.com for photometry.
Photometric data based on test results from an independent NIST traceable testing lab. IES data is available at www.healthcare-lighting.com.
Always refer to our website for the latest IES file updates.

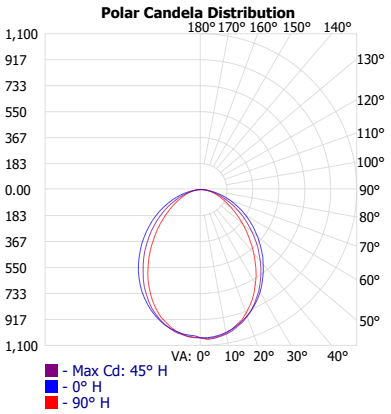
AMBIENT with Asymmetrical Distribution

Test Report: ISF 212122



AMBIENT with Symmetrical Distribution

Test Report: ISF 212078



*Performance data based upon RHYR/90CRI

Nominal Lumens Per Foot	Size	Distribution	CCT @ 27K Delivered Lumens	Input Watts	CCT @ 46K Delivered Lumens	Input Watts	CCT @ 65K Delivered Lumens	Input Watts
500LMF	24LONG	ASD	951	12	921	10	1041	11
		SYD	1006	12	973	10	1101	11
	36LONG	ASD	1551	20	1501	17	1697	19
		SYD	1640	20	1587	17	1795	19
	48LONG	ASD	2171	26	2101	22	2376	24
		SYD	2296	26	2222	22	2512	24
	72LONG	ASD	3093	39	2993	33	3385	37
		SYD	3270	39	3165	33	3579	37
	96LONG	ASD	4361	52	3914	43	4426	49
		SYD	4611	52	4462	43	5046	49
750LMF	24LONG	ASD	1329	18	1364	15	1458	16
		SYD	1406	18	1442	15	1541	16
	36LONG	ASD	2167	29	2223	25	2377	27
		SYD	2292	29	2351	25	2513	27
	48LONG	ASD	3034	38	3112	33	3327	36
		SYD	3208	38	3291	33	3518	36
	72LONG	ASD	4322	58	4434	50	4740	54
		SYD	4570	58	4688	50	5012	54
	96LONG	ASD	6094	76	5798	66	6198	71
		SYD	6444	76	6610	66	7066	71
1000LMF	24LONG	ASD	1559	22	1720	19	1793	21
		SYD	1648	22	1818	19	1896	21
	36LONG	ASD	2541	36	2804	32	2924	35
		SYD	2687	36	2964	32	3092	35
	48LONG	ASD	3557	48	3925	42	4093	46
		SYD	3761	48	4150	42	4328	46
1300LMF	24LONG	ASD	2017	27	2097	25	2075	27
		SYD	2133	27	2218	25	2194	27
	36LONG	ASD	3289	45	3420	42	3384	44
		SYD	3478	45	3616	42	3578	44
	48LONG	ASD	4604	59	4787	55	4737	58
		SYD	4868	59	5062	55	5008	58

© 2021-2024 Acuity Brands Lighting, Inc. All Rights Reserved. "Healthcare Lighting" is a registered trademark of Acuity Brands Lighting.
Products herein may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice.

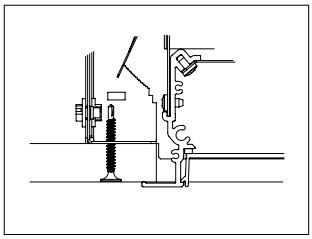
HPL

Single Function Recessed
Tunable White Luminaire

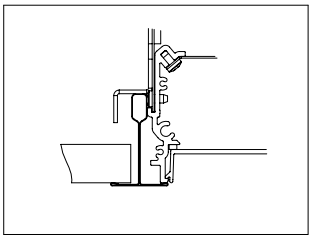
Type:

Project:

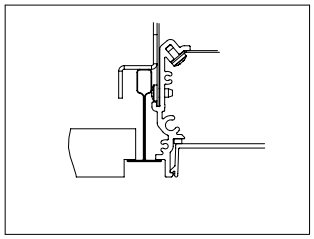
CEILING TRIM



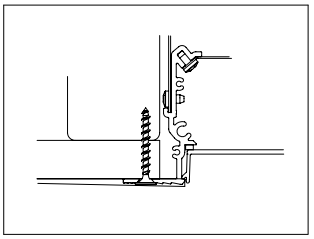
F
(Flanged Sheetrock)



G
(15/16" Grid)



G
(9/16" Grid)

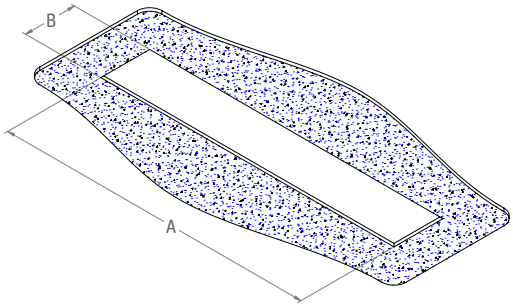


GB
(Flangeless Sheetrock Mud-In)

MOUNTING

Rough-In Dimensions F and GB Ceiling Trims

*For more mounting information, please reference the installation instructions.

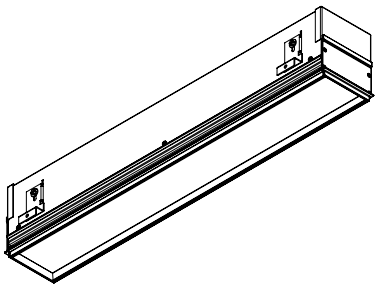


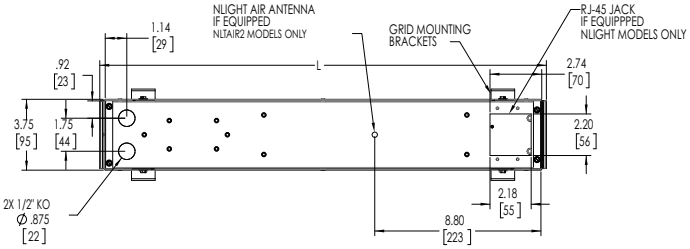
SIZE	TRIM STYLE	A	B	ALLOWANCE
24LONG	F	23.50 in	4.000 in	+/- 1/8"
36LONG	F	35.50 in	4.000 in	+/- 1/8"
48LONG	F	47.50 in	4.000 in	+/- 1/8"
72LONG	F	71.50 in	4.000 in	+/- 1/8"
96LONG	F	95.50 in	4.000 in	+/- 1/8"

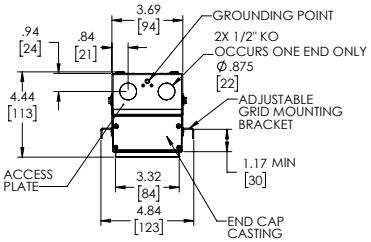
SIZE	TRIM STYLE	A	B	ALLOWANCE
24LONG	GB	24.125 in	3.875 in	+/- 1/8"
36LONG	GB	36.125 in	3.875 in	+/- 1/8"
48LONG	GB	48.125 in	3.875 in	+/- 1/8"
72LONG	GB	72.125 in	3.875 in	+/- 1/8"
96LONG	GB	96.125 in	3.875 in	+/- 1/8"

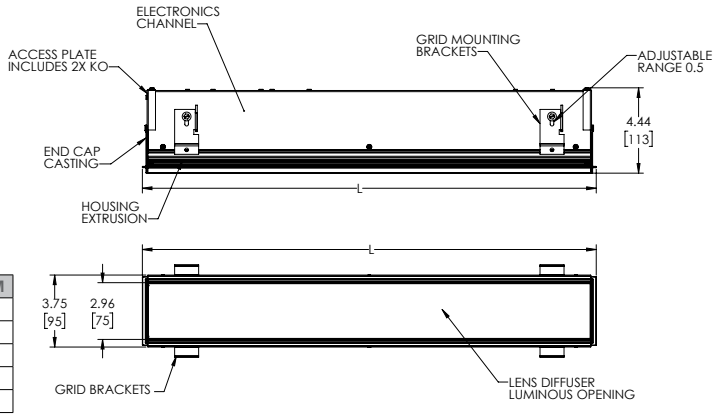
DIMENSIONS

G Grid







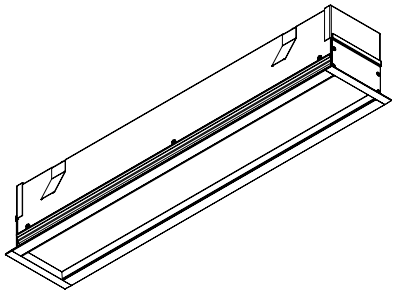


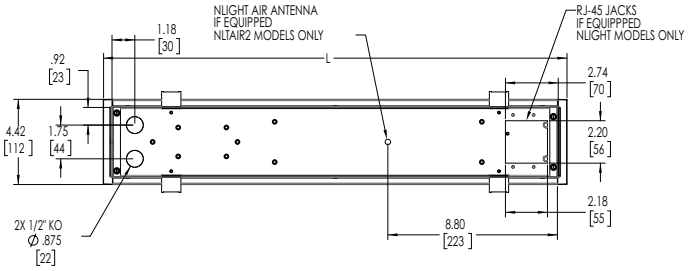
SIZE	MOUNTING	L (OVERALL LENGTH) IN	L (OVERALL LENGTH) MM
24 LONG	G	23.64	600
36LONG	G	35.64	905
48LONG	G	47.64	1210
72LONG	G	71.64	1820
96LONG	G	95.64	2429

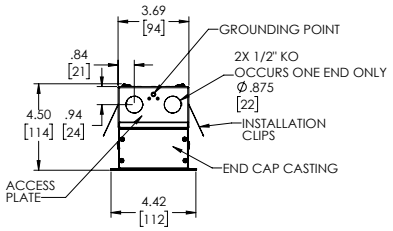
© 2021-2024 Acuity Brands Lighting, Inc. All Rights Reserved. "Healthcare Lighting" is a registered trademark of Acuity Brands Lighting.
Products herein may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice.

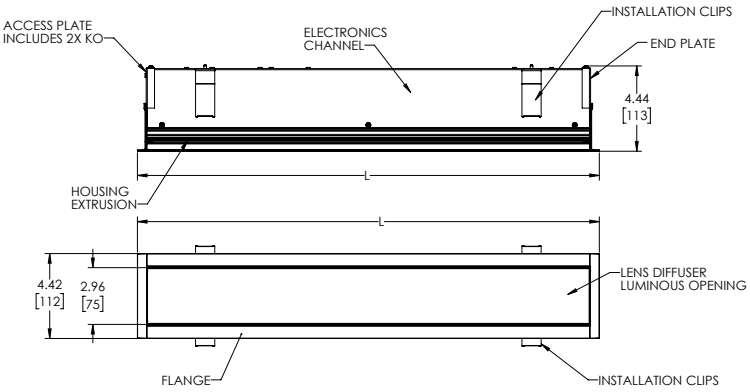
DIMENSIONS

F Flange



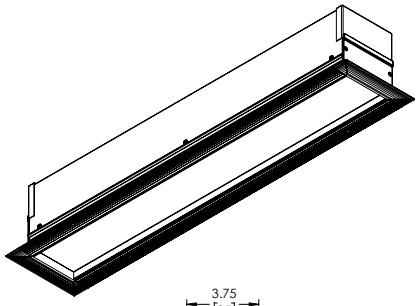


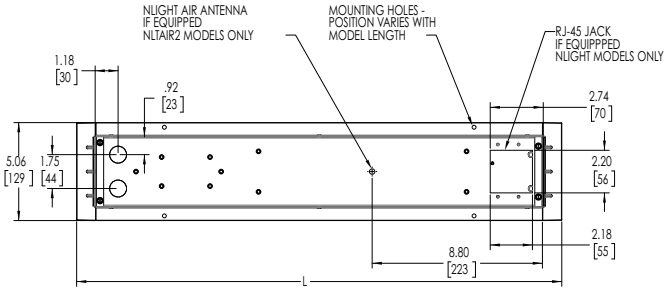


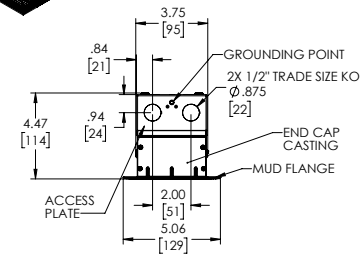


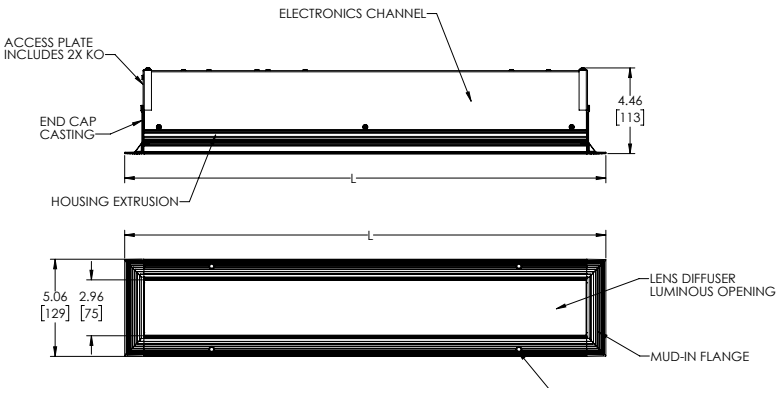
SIZE	MOUNTING	L (OVERALL LENGTH) IN	L (OVERALL LENGTH) MM
24LONG	F	24.06	611
36LONG	F	36.06	916
48LONG	F	48.06	1221
72LONG	F	72.06	1830
96LONG	F	96.06	2440

GB Trimless Mud-In









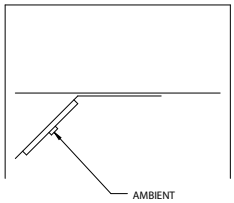
SIZE	MOUNTING	L (OVERALL LENGTH) IN	L (OVERALL LENGTH) MM
24LONG	GB	25.06	637
36LONG	GB	37.06	941
48LONG	GB	49.06	1246
72LONG	GB	73.06	1856
96LONG	GB	97.06	2465

© 2021-2024 Acuity Brands Lighting, Inc. All Rights Reserved. "Healthcare Lighting" is a registered trademark of Acuity Brands Lighting.
Products herein may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice.

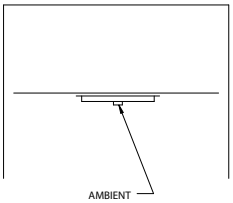
LED SCHEMATIC

Schematic simplification of lighting options within luminaire, viewed in cross section, facing headwall.

ASD



SYD



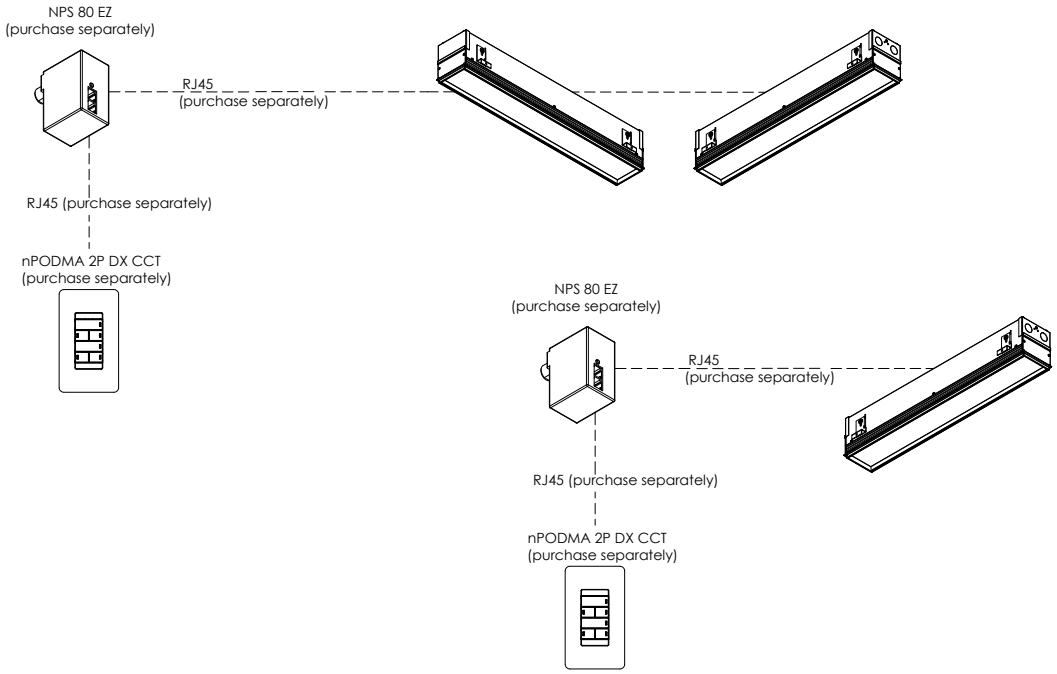
INTELLIGENT LUMINAIRE TECHNOLOGY GUIDE

Choose Nomenclature from these columns

Minimum Dimming Level		Control Input		Dimming Range	Notes
DARK	+	NLT	=	100 to 0.1%	TUWH OPTION LOGARITHMIC DIMMING, NIO EZDCL CCT INTERNAL

WALL POD

Reference spec sheet for nPODMA for complete ordering nomenclature.



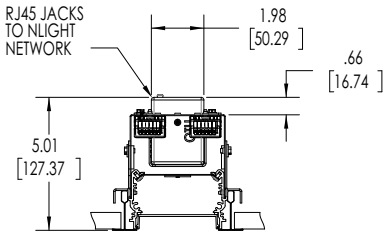
© 2021-2024 Acuity Brands Lighting, Inc. All Rights Reserved. "Healthcare Lighting" is a registered trademark of Acuity Brands Lighting.
Products herein may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice.

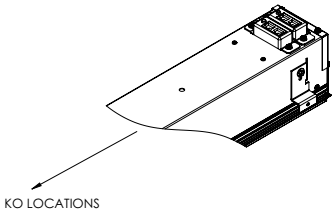
NLT DETAILS

NLT (Wired) Enabled Network

RJ45 Jack Location

Typical for all mounting styles (Grid mount shown for reference.)

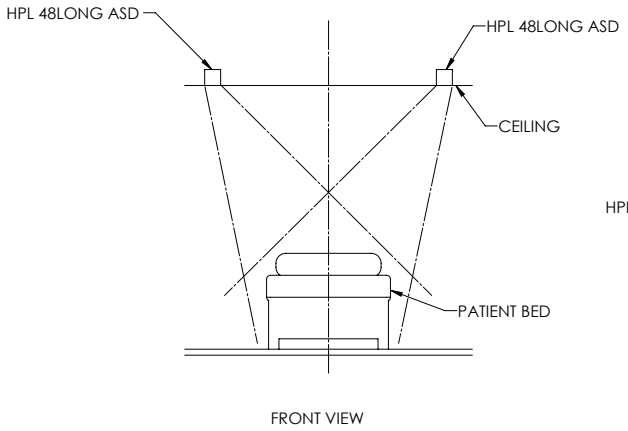




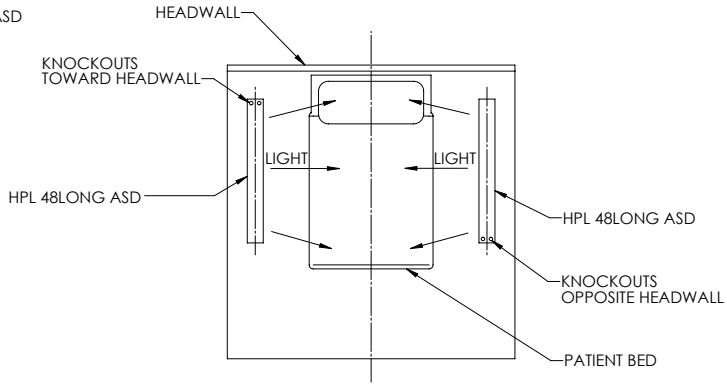
29.4 RJ45 JACK DETAIL (ISO)
NLIGHT MODELS

LAYOUT

Diagram "Not to Scale"



FRONT VIEW



TOP VIEW

© 2021-2024 Acuity Brands Lighting, Inc. All Rights Reserved. “Healthcare Lighting” is a registered trademark of Acuity Brands Lighting.
Products herein may be covered by one or more U.S. Patents and Patents Pending. Specifications subject to change without notice.