



MAGELLAN

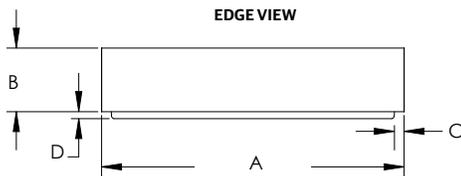
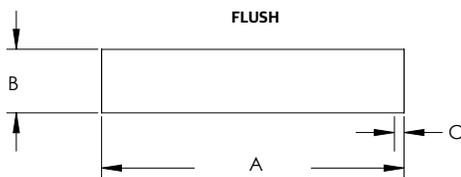
PENDANT

HIGHLIGHTS

- 1500 to 20,000 nominal lumens direct
- 800 to 10,500 nominal lumens indirect
- Up to 142 Lumens per Watt
- Three opal acrylic lens shapes with two profile options
- Three standard (Slate, Pewter, Smoke) and sixteen premium acoustic panel colors
- Three stem configurations
- Integrated control with optional nLight® or nLight Air for system networking
- Driver options for Dim to Dark, 1% or 10% minimum dimming
- White, antimicrobial white, black, and silver paint with satin finish
- UGR data available on page 4

DIMENSIONS

See page 5 for additional details.



	A	B	C	D
Size	Overall Diameter	Housing Height	Flange Width	Edge View
18IN	17-3/4"	5"	3/4"	1/2"
24IN	23-3/4"	5"	3/4"	1/2"
36IN	36"	6"	3/4"	1/2"
48IN	48-1/8"	6"	3/4"	1/2"



FIXTURE PERFORMANCE

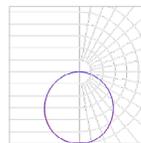
	Direct							
	18IN		24IN		36IN		48IN	
Nominal Lumens	1500LM	2500LM	1500LM	5000LM	3000LM	12000LM	5500LM	20000LM
Delivered Lumens	1515	2539	1509	5021	3072	12007	5516	20040
Input Watts	18	33	15	49	24	133	61	220
Lumens/Watt	83	78	103	103	128	90	90	91

Based upon Edge View Profile (EGLD) / Concave Lens (CCV) / 35K / 80CRI fixture
Minimum and Maximum Output shown. Reference Ordering and Photometric sections for all additional lumen outputs.

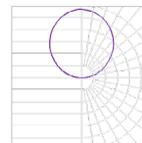
	Direct & Indirect							
	18IN		24IN		36IN		48IN	
Nominal Lumens Direct	1500LM	2500LM	1500LM	5000LM	3000LM	12000LM	5500LM	20000LM
Nominal Lumens Indirect	1800LM	13000LM	12000LM	13500LM	13500LM	16500LM	17000LM	110500LM
Delivered Lumens	2273	5376	3528	8449	6395	18089	12373	30063
Input Watts	28	59	29	75	49	179	111	299
Lumens/Watt	81	92	122	112	131	101	111	101

Based upon Edge View Profile (EGLD) / Concave Lens (CCV) / 35K / 80CRI / 135K / 180CRI fixture
Minimum and Maximum Output shown. Reference Ordering and Photometric sections for all additional lumen outputs.

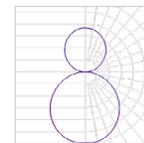
DISTRIBUTION



Direct Lambertian



Indirect Lambertian



Indirect & Direct Lambertian

STEM CONFIGURATION



Rigid Stem (F3)



Cable to Canopy (F4)



Cable to Center Stem (F6)

PROFILE/SHAPE



Flush Acoustic (FLL ACOU)



Flush Convex (FLL CVX)



Flush Flat (FLL FLT)



Edge View Convex (EGLD CVX)



Edge View Concave (EGLD CCV)



Edge View Flat (EGLD FLT)

ORDERING

Example: MGLP 48IN 80CRI 35K 2000LM I80CRI I35K I10500LM DCT MINI EGLD MVOLT FLT SLVT RE10WLCP ZT F6/108F WHTCY WHTTST

Series	Size	Direct Color Rendering	Direct LED Color Temperature	Direct Light Output
MGLP Magellan Pendant	18IN 18" Diameter 24IN 24" Diameter 36IN 36" Diameter 48IN 48" Diameter	(blank) Use with ACOU Option 80CRI 80 CRI 90CRI 90 CRI	(blank) Use with ACOU Option 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	(blank) Use with ACOU Option For 18IN use: 1500LM 1500 Lumens 2000LM 2000 Lumens 2500LM 2500 Lumens For 24IN use: 1500LM 1500 Lumens 2500LM 2500 Lumens 4000LM 4000 Lumens 5000LM 5000 Lumens For 36IN use: 3000LM 3000 Lumens 6000LM 6000 Lumens 9000LM 9000 Lumens 12000LM 12000 Lumens For 48IN use: 5500LM 5500 Lumens 10500LM 10500 Lumens 16000LM 16000 Lumens 20000LM 20000 Lumens

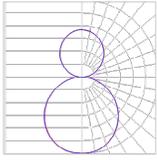
Indirect Color Rendering	Indirect Color Temperature	Indirect Light Output	Switching	Minimum Dimming Level
(blank) Use when No Indirect Lighting Required I80CRI 80CRI I90CRI 90CRI	(blank) Use when No Indirect Lighting Required I27K 2700K I30K 3000K I35K 3500K I40K 4000K I50K 5000K	(blank) Use when No Indirect Lighting Required For 18IN use: I800LM 800 Lumens I1000LM 1000 Lumens I3000LM 3000 Lumens For 24IN use: I2000LM 2000 Lumens I2500LM 2500 Lumens I3000LM 3000 Lumens I3500LM 3500 Lumens For 36IN use: I3500LM 3500 Lumens I4500LM 4500 Lumens I5500LM 5500 Lumens I6500LM 6500 Lumens For 48IN use: I7000LM 7000 Lumens I8500LM 8500 Lumens I9500LM 9500 Lumens I10500LM 10500 Lumens	(blank) Use when No Indirect and No Direct Lighting Required SCT Single Circuit DCT^{1,2} Dual Circuit 1. Not available with NLTAIR2 2. Requires both Indirect and Direct Lumen Output	(blank) Use when No Indirect and No Direct Lighting Required NODIM^{1,2,3,4} Non Dimming MINI³ Constant Current, Dimming to 1% MINIO^{2,3,4} Constant Current, Dimming to 10% DARK^{4,5} Constant Current, Dimming to 0.1% 1. Not available with Control Input options 2. Not available with DALI 3. Not available with DMX 4. Not available with ECOI 5. Not available with 347

Shielding Profile	Voltage	Shielding	Housing Color	Emergency Options ¹
EGLD¹ Edge View FLL² Flush Lens 1. Not available with ACOU 2. Not available with CCV	(blank) Use when No Indirect and No Direct Lighting Required MVOLT 120-277 Volt 347^{1,2} 347 Volt 1. Available with Non Dimming or ZT Control Input only 2. Not available with Emergency Options	FLT Flat Lens CCV¹ Concave Lens CVX Convex Lens ACOU^{2,3,4} Acoustical Panel 1. Requires EGLD 2. Requires FLL 3. Not available with Direct Lighting selections 4. Requires Acoustical Panel Color option	WHTT White (Satin) BLKT Black (Satin) SLVT Silver (Satin) AMWHTT Anti-Microbial White (Satin) RALTB¹ RAL Paint Finish 1. RALTB ¹ is for pricing only. Replace with applicable RAL number & finish when placing order.	(blank) Use when No Emergency Required RE10WLCP Remote 10 Watt Battery Pack, Constant Power with Self Diagnostics, T20 Compliant EC Emergency Circuit RGTD Remote Generator Transfer Device RETSDR Remote Emergency Control Device w Dimming Relay 1. Applies to Direct Lighting selection only

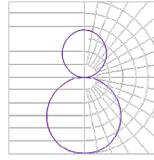
Acoustic Panel Colors ¹	Control Input	Mounting/Suspension Length
(blank) Use with FLT, CCV, or CVX Option SMKE SMOKE (Cool Gray Heather) PWTR PEWTER (Dark Gray Heather) SLTE SLATE (Black Heather) TAR TAR (Black) FRST FROST (White) CHMB CHAMBRAY (Medium Gray) ECRU ECRU (Medium Tan Heather) IVRY IVORY GRGE GREIGE (Warm Gray Heather)	(blank) Use when No Indirect and No Direct Lighting Required or if Non-Dimming ZT 0-10V NLIGHT nLight Wired NLTAIR2¹ nLight Air (wireless) Enabled DALI² DALI DMX³ DMX ECOI⁴ Lutron Ecosystem Interface Module 1. Not available with DCT 2. Not available with NODIM or MINIO 3. Not available with NODIM, MINI, or MINIO 4. Not available with NODIM, MINIO, or DARK For additional ordering assistance consult "Intelligent Luminaire Technology Guide".	F3/12F Rigid Stem 12" Fixed F3/18F Rigid Stem 18" Fixed F3/24F Rigid Stem 24" Fixed F3/36F Rigid Stem 36" Fixed F4/24A¹ Cable to Canopy 24" Adjustable F4/60A¹ Cable to Canopy 60" Adjustable F4/120A¹ Cable to Canopy 120" Adjustable 1. Available for 18IN and 24IN only 2. Not available for 18IN (Measured from bottom of ceiling to bottom of fixture housing.)

Canopy Color	Cord Color ¹	Stem Color ¹	Options
WHTCY White Canopy BLKCY Black Canopy SLVCY Silver Canopy AMWHTTCY Anti-Microbial White Canopy RALTBDCY RAL Color Canopy	(blank) Use with F3 or F6 Mounting WCRD White Cord BCRD Black Cord 1. Available with F4 mounting	(blank) Use with F4 Mounting WHTTST White Stem (Satin) BLKTST Black Stem (Satin) 1. Available with F3 or F6 mounting	(blank) No Options CP Chicago Plenum (For RE10WLCP, RGTD, or RETSDR)

PHOTOMETRICS



Test Report: ISF 231474 - ISF 231490P2257
IES LM79-08
Catalog #: MGLP 36IN 80CRI 35K 12000LM
180CRI 135K 16500LM EGLD CCV
Lumens: 18089
Wattage: 178.68
Efficacy: 101.24



Test Report: ISF 231474 - ISF 231490P2259
IES LM79-08
Catalog #: MGLP 36IN 80CRI 35K 12000LM
180CRI 135K 16500LM FLL FLT
Lumens: 17211
Wattage: 178.68
Efficacy: 96.32

PROJECT LED LUMEN MAINTENANCE - DIRECT

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	10,000	60,000	100,000
Lumen Maintenance Factor	1	0.98	0.84	0.75

PROJECT LED LUMEN MAINTENANCE - INDIRECT

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	10,000	60,000	100,000
Lumen Maintenance Factor	1	0.98	0.91	0.86

COMPLETE FIXTURE PERFORMANCE

	DIRECT														
	18IN			24IN				36IN				48IN			
Nominal Lumens	1500LM	2000LM	2500LM	1500LM	2500LM	4000LM	5000LM	3000LM	6000LM	9000LM	12000LM	5500LM	10500LM	16000LM	20000LM
Delivered Lumens	1515	2005	2539	1509	2504	4009	5021	3072	6018	9011	12007	5516	10556	16024	20040
Input Watts	18	25	33	15	24	39	49	24	64	97	133	61	118	179	220
Lumens/Watt	83	82	78	103	103	102	103	128	95	93	90	90	89	90	91

Based upon a Edge View Profile (EGLD) / Concave Lens (CCV) / 35K / 80CRI fixture

	INDIRECT														
	18IN			24IN				36IN				48IN			
Nominal Lumens	1800LM	11000LM	13000LM	12000LM	12500LM	13000LM	13500LM	13500LM	14500LM	15500LM	16500LM	17000LM	18500LM	19500LM	110500LM
Delivered Lumens	759	1019	2841	2060	2523	3021	3561	3340	4572	5550	6148	6895	8510	9537	10159
Input Watts	7	8	23	14	18	21	25	25	32	39	47	50	60	69	79
Lumens/Watt	113	129	123	143	141	141	142	136	144	143	132	138	141	139	129

Based upon a I35K / 180CRI fixture

	DIRECT & INDIRECT														
	18IN			24IN				36IN				48IN			
Nominal Lumens DIRECT	1500LM	2000LM	2500LM	1500LM	2500LM	4000LM	5000LM	3000LM	6000LM	9000LM	12000LM	5500LM	10500LM	16000LM	20000LM
Nominal Lumens INDIRECT	1800LM	11000LM	13000LM	12000LM	12500LM	13000LM	13500LM	13500LM	14500LM	15500LM	16500LM	17000LM	18500LM	19500LM	110500LM
Delivered Lumens	2273	3022	5376	3528	4960	6924	8449	6395	10558	14512	18089	12373	18994	25452	30063
Input Watts	28	37	59	29	42	62	75	49	96	137	179	111	178	247	299
Lumens/Watt	81	82	92	122	118	113	112	131	111	106	101	111	107	103	101

Based upon a Edge View Profile (EGLD) / Concave Lens (CCV) / 35K / 80CRI / I35K / 180CRI fixture

CCT SCALING CHART

DIRECT				INDIRECT			
CCT	CRI	MULTIPLIER		CCT	CRI	MULTIPLIER	
27K	80CRI	0.95		27K	80CRI	0.94	
30K	80CRI	0.99		30K	80CRI	0.97	
35K	80CRI	1.00		35K	80CRI	1.00	
40K	80CRI	1.02		40K	80CRI	1.02	
50K	80CRI	1.04	R9	50K	80CRI	1.04	R9
27K	90CRI	0.81	52.76	27K	90CRI	0.79	55.45
30K	90CRI	0.84	58.10	30K	90CRI	0.81	55.41
35K	90CRI	0.85	71.62	35K	90CRI	0.83	56.18
40K	90CRI	0.87	71.93	40K	90CRI	0.84	58.97
50K	90CRI	0.89	78.39	50K	90CRI	0.89	58.98

Lumen scaling charts can be used to approximate the lumen values at different Kelvin temperatures, color rendering indices, optics, or shielding.
 Example: Calculating the lumen change from 80CRI 35K to 80CRI 40K = Lumen output for MGLP 36IN 80CRI 35K 12000LM EGLD CCV (12007) x 1.02 multiplier = 12247 lumens

SHIELDING SCALING CHART

SIZE	SHIELDING PROFILE	SHIELDING	MULTIPLIER
ALL	FLL	FLT	0.93
	FLL	CVX	0.98
	EGLD	FLT	0.93
	EGLD	CVX	0.99
	EGLD	CCV	1.00

Based upon a Edge View Profile (EGLD) / Concave Lens (CCV)

UGR CHART

		UGR (70% 50% 20% reflectance using a 4H x 8H room size)									
		Crosswise					Endwise				
SIZE	LUMEN PACKAGE	FLL FLT	FLL CVX	EGLD FLT	EGLD CVX	EGLD CCV	FLL FLT	FLL CVX	EGLD FLT	EGLD CVX	EGLD CCV
18IN	1500LM	11.4	11.8	11.1	11.5	11.6	11.7	12.1	11.4	11.8	11.9
	2000LM	13.1	13.5	12.9	13.3	13.3	13.5	13.8	13.2	13.6	13.7
	2500LM	14.6	14.9	14.3	14.7	14.8	14.9	15.3	14.6	15.0	15.1
24IN	1500LM	11.5	11.8	11.2	11.6	11.7	11.4	11.8	11.1	11.5	11.6
	2500LM	14.6	15.0	14.4	14.8	14.8	14.6	14.9	14.3	14.7	14.8
	4000LM	17.5	17.8	17.2	17.6	17.6	17.4	17.7	17.1	17.5	17.6
	5000LM	18.8	19.1	18.5	18.8	18.9	18.7	19.0	18.4	18.8	18.8
36IN	3000LM	10.9	11.2	10.7	11.1	11.2	10.9	11.3	10.7	11.1	11.2
	6000LM	15.0	15.3	14.8	15.2	15.3	15.1	15.4	14.9	15.3	15.3
	9000LM	17.3	17.7	17.1	17.5	17.6	17.4	17.7	17.2	17.6	17.6
	12000LM	18.9	19.2	18.7	19.1	19.1	19.0	19.3	18.8	19.1	19.2
48IN	5500LM	12.3	12.7	12.2	12.6	12.7	11.3	11.6	11.1	11.5	11.6
	10500LM	16.3	16.6	16.2	16.5	16.6	15.2	15.6	15.1	15.5	15.6
	16000LM	18.7	19.0	18.5	18.9	19.0	17.6	18.0	17.5	17.8	17.9
	20000LM	19.9	20.2	19.8	20.1	20.2	18.9	19.2	18.7	19.1	19.1

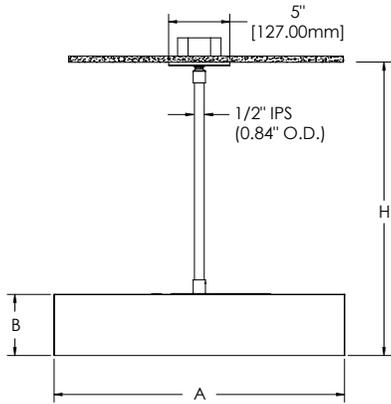
UGR Multiplier Chart		
Size	Indirect Lumens	Scale Factor
18IN	I800LM	1.23
	I1000LM	1.18
	I3000LM	1.00
24IN	I2000LM	1.09
	I2500LM	1.05
	I3000LM	1.03
	I3500LM	1.00
36IN	I3500LM	1.09
	I4500LM	1.04
	I5500LM	1.02
	I6500LM	1.00
48IN	I7000LM	1.05
	I8500LM	1.03
	I9500LM	1.01
	I10500LM	1.00

*Calculated with highest indirect lumens, decreases in indirect lumens will increase the UGR numbers, see chart below for guidance. UGR numbers calculated this way are for reference only, refer to IES files for the exact numbers.
 **UGR varies based on luminaire options and is affected by application dependent parameters. Numbers depicted here are considered "Luminaire-UGR" and/or "Point-UGR" values. To determine a more precise maximum UGR value ("Application-UGR"), a full lighting design layout should be completed with the selected luminaire configuration for each application.
 For more information on UGR see [UGR FAQ](#)

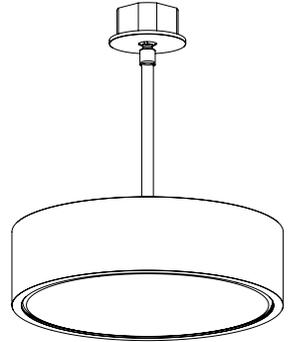
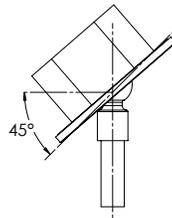
MOUNTING

Use only octagon junction box (by others). See installation instruction document for additional details.

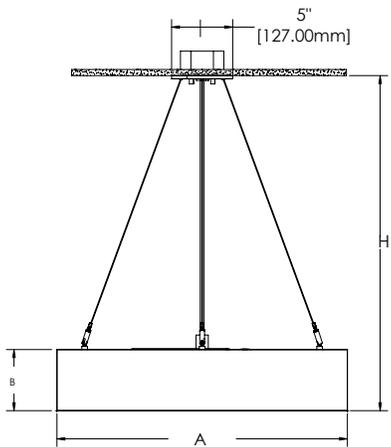
Rigid Stem (F3)



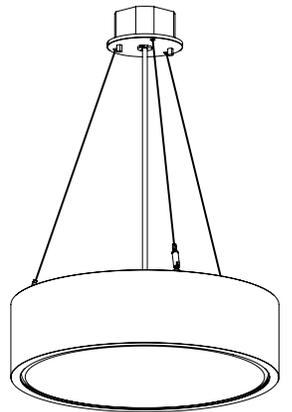
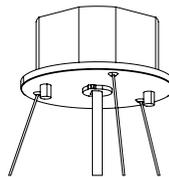
Rigid Stem (F3)			
	A	B	H
Size	Overall Diameter	Housing Height	Bottom of Ceiling to Bottom of Housing
18IN	17 1/4"	5"	F3/12F = 12"
24IN	23 3/4"	5"	F3/18F = 18"
36IN	36"	6"	F3/24F = 24"
48IN	48"	6"	F3/36F = 36"



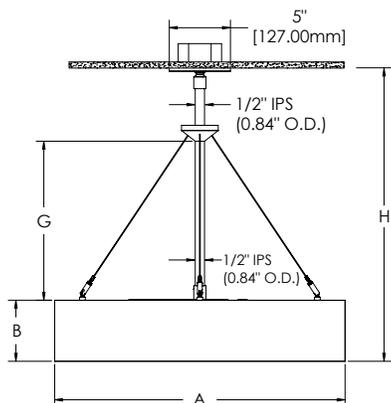
Cable to Canopy (F4)



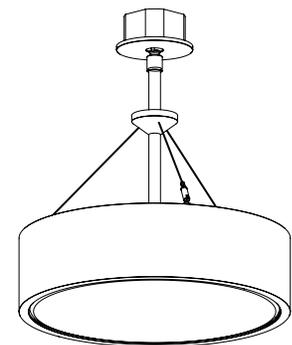
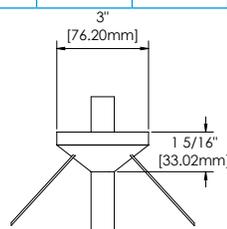
Cable to Canopy (F4)			
	A	B	H
Size	Overall Diameter	Housing Height	Bottom of Ceiling to Bottom of Housing
18IN	17 1/4"	5"	F4/24A = 24"
24IN	23 1/4"	5"	F4/60A = 60"
			F4/120A = 120"



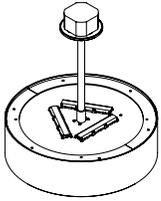
Cable to Center Stem (F6)



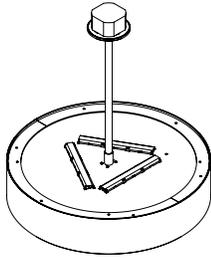
Cable to Stem (F6)				
	A	B	G	H
Size	Overall Diameter	Housing Height	Cable Height	Bottom of Ceiling to Bottom of Housing
24IN	23 1/4"	5"	13"	F6/36F = 36"
				F6/48F = 48"
				F6/60F = 60"
				F6/72F = 72"
				F6/84F = 84"
				F6/96F = 96"
				F6/108F = 108"
				F6/120F = 120"



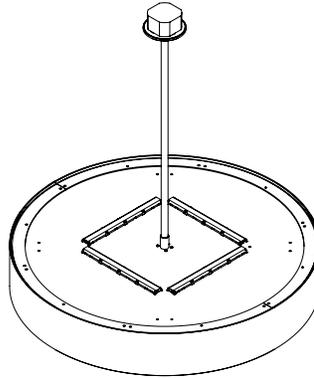
INDIRECT LAYOUT



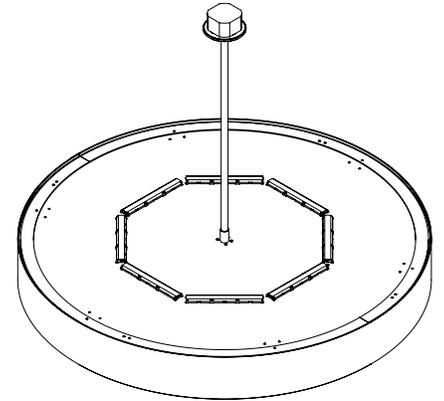
MGLP 18IN



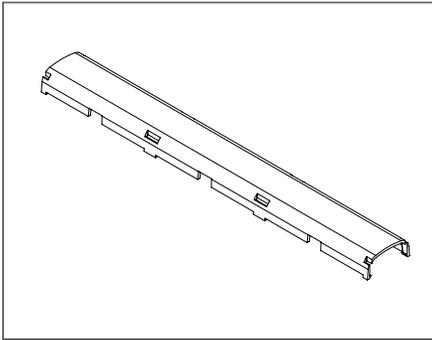
MGLP 24IN



MGLP 36IN



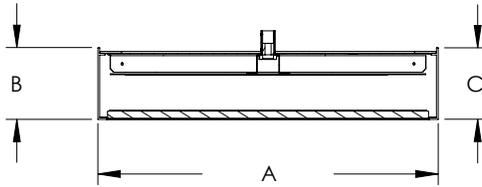
MGLP 48IN



**Example of lambertian LED cover
(not shown to scale)**

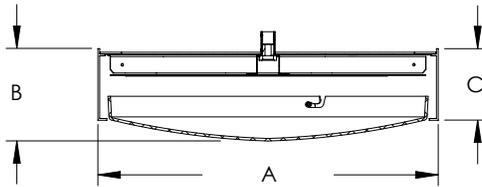
PROFILE/SHAPE

Flush Acoustic (FLL ACOU)



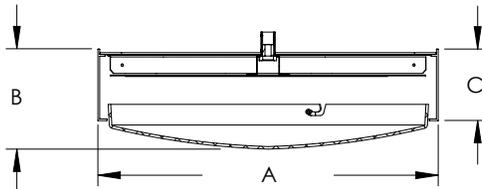
Flush Acoustic (FLL ACOU)			
	A	B	C
Size	Overall Diameter	Overall Body Height	Housing Height
18IN	17 3/4"	5"	5"
24IN	23 3/4"	5"	5"
36IN	36"	6"	6"
48IN	48"	6"	6"

Flush Convex (FLL CVX)



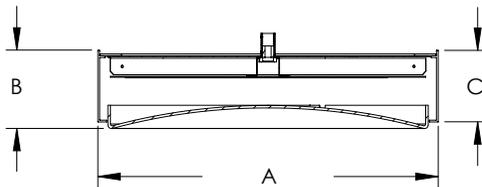
Flush Convex (FLL CVX)			
	A	B	C
Size	Overall Diameter	Overall Body Height	Housing Height
18IN	17 3/4"	6 1/2"	5"
24IN	23 3/4"	6 1/2"	5"
36IN	36"	7 1/2"	6"
48IN	48"	7 1/2"	6"

Edge View Convex (EGLD CVX)



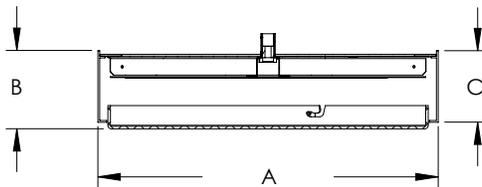
Edge View Convex (EGLD CVX)			
	A	B	C
Size	Overall Diameter	Overall Body Height	Housing Height
18IN	17 3/4"	7"	5"
24IN	23 3/4"	7"	5"
36IN	36"	8"	6"
48IN	48"	8"	6"

Edge View Concave (EGLD CCV)



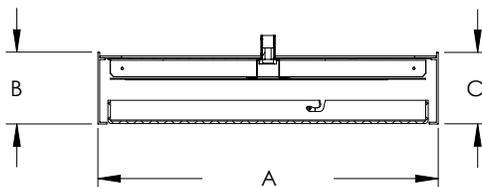
Edge View Concave (EGLD CCV)			
	A	B	C
Size	Overall Diameter	Overall Body Height	Housing Height
18IN	17 3/4"	5 1/2"	5"
24IN	23 3/4"	5 1/2"	5"
36IN	36"	6 1/2"	6"
48IN	48"	6 1/2"	6"

Edge View Flat (EGLD FLT)



Edge View Flat (EGLD FLT)			
	A	B	C
Size	Overall Diameter	Overall Body Height	Housing Height
18IN	17 3/4"	5 1/2"	5"
24IN	23 3/4"	5 1/2"	5"
36IN	36"	6 1/2"	6"
48IN	48"	6 1/2"	6"

Flush Flat (FLL FLT)



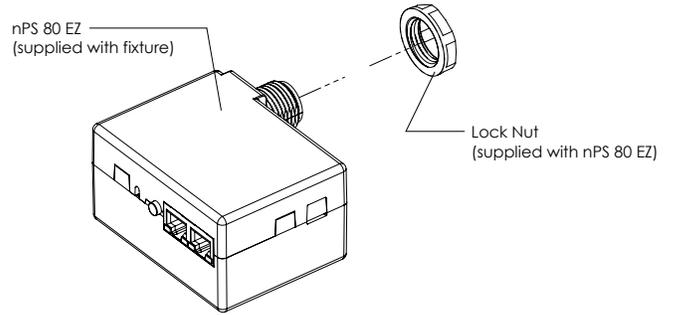
Flush Flat (FLL FLT)			
	A	B	C
Size	Overall Diameter	Overall Body Height	Housing Height
18IN	17 3/4"	5"	5"
24IN	23 3/4"	5"	5"
36IN	36"	6"	6"
48IN	48"	6"	6"

NLIGHT

Integrated Controls

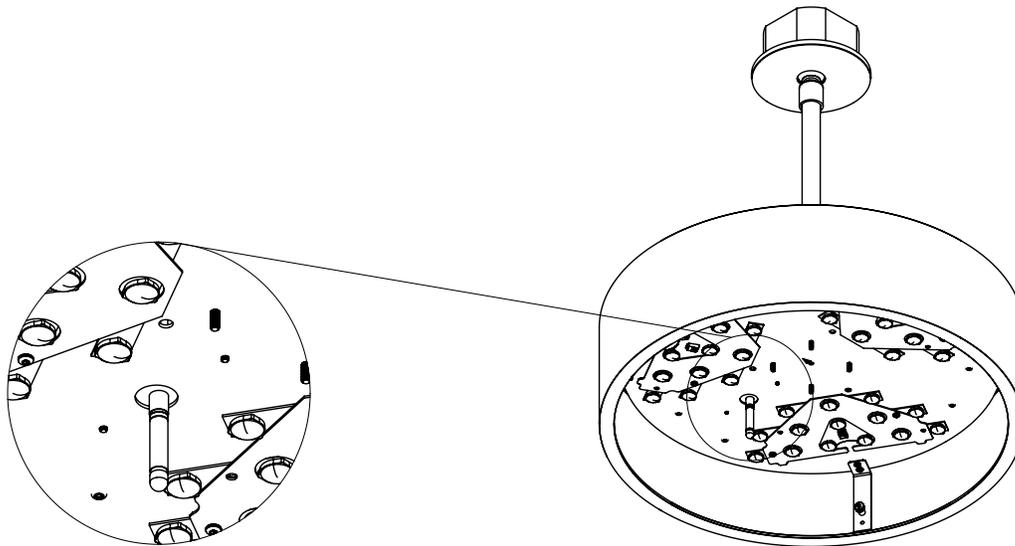
Optional nLight® integrated controls make Magellan luminaires addressable- allowing them to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photo controls. Simply connect all the nLight enabled control devices using standard CAT5 Cabling (by others).

Note: nPS 80 EZ supplied with fixture and mounts to external octagon junction box (by others) through a ½” knockout. Secured with provided lock nut.



nLight Air Wireless Antenna Location

Note: Antenna will be shipped separately and will need to be attached to the coax connector in the field.



Control Input	Emergency Option	Device Used
NLIGHT	<none>	nPS 80 EZ
NLTAIR2	<none>	rIO EZDL 90D G2
NLIGHT	EC	nPS 80 EZ
NLTAIR2	EC	rIO EZDL 90D G2 EM

INTELLIGENT LUMINAIRE TECHNOLOGY GUIDE

Choose nomenclature from these columns

Driver Configurations (MVOLT)	Minimum Dimming Level	Control Input	Dimming Range	Notes
	Driver Configurations (MVOLT)	NODIM	(blank)	-
MIN1		ZT	100% to 1%	Linear Dimming, supplied with leads for 0-10V control
MIN1		NLIGHT	100% to 1%	Linear Dimming, remote NPS 80 EZ, included with luminaire
MIN1		NLTAIR2	100% to 1%	Linear Dimming, internal RIO EZDL 90D G2 included with luminaire
MIN1		DALI	100% to 1%	Linear Dimming, DALI controls by others
MIN1		ECO1	100% to 1%	Lutron TVI-LMF-2A 0-10V interface module
MIN10		ZT	100% to 10%	Linear Dimming, supplied with leads for 0-10V control
MIN10		NLIGHT	100% to 10%	Linear Dimming, remote NPS 80 EZ included with luminaire
MIN10		NLTAIR2	100% to 10%	Linear Dimming, internal RIO EZDL 90D G2 included with luminaire
DARK		ZT	100% to 0.1%	Logarithmic Dimming, supplied with leads for 0-10V control
DARK		NLIGHT	100% to 0.1%	Logarithmic Dimming, remote NPS 80 EZ included with luminaire
DARK		NLTAIR2	100% to 0.1%	Logarithmic Dimming, internal RIO EZDL 90D G2 included with luminaire
DARK		DALI	100% to 0.1%	Logarithmic Dimming, DALI controls by others
DARK		DMX	100% to 0.1%	Compatible with DMX / RDM (Remote Device Management) controls by others

Driver Configurations (347)	Minimum Dimming Level	Control Input	Dimming Range	Notes
Driver Configurations (347)	NODIM	(blank)	-	OT130 NODIM 347v, No 0-10V leads from driver
	MIN1	ZT	100% to 1%	OT130 MINI 347v, supplied with leads for 0-10V control
	MIN10	ZT	100% to 10%	OT130 MINIO 347v, supplied with leads for 0-10V control

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the **CLAIRITY+** mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

nLight® Wired Control Accessories
Order as separate catalog number

Wall Switches	Model Number
On/Off single pole	nPODMA (color)
On/Off two pole	nPODMA 2P (color)
On/Off single pole, dimming	nPODMA DX (color)
On/Off two pole, dimming	nPODMA 2P DX (color)
On/Off, two level	nPODMA 2L (color)
Graphic touchscreen	nPOD TOUCH (color)

For more information see nPOD and nPOD TOUCH spec sheets

nLight AIR® Control Accessories
Order as separate catalog number

Wall Switches	Model Number
On/Off single pole	rPODBA (color)
On/Off two pole	rPODBA 2P (color)
On/Off single pole, dimming	rPODBA DX (color)
On/Off two pole, dimming	rPODBA 2P DX (color)
On/Off, 4 scene control	rPODBA 4S (color)

For more information see rPOD spec sheets

EMERGENCY OPTIONS

RE10WLCP

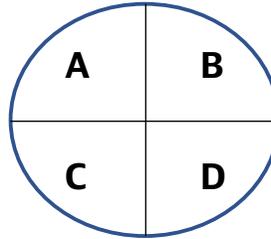
10w constant power emergency LED driver is remote mounted from the luminaire. The emergency driver switches power from the normal AC Driver and operates the fixture for 90 minutes in the emergency mode from the unit's battery supply. Consists of (1) [IOTA ILBLP CP10 HE SD B](#) emergency LED driver, (1) [RME1](#) remote mounting enclosure with 2-foot long flexible conduit, and (1) [RTKTBTBS](#) remote test kit accessory with 3-foot long flexible conduit.

Maximum remote mounting distance from emergency LED driver to fixture is half the max distance between the normal driver and LED load. (Example: AWG 18 = 36-feet)

Maximum remote mounting distance from test switch to fixture not to exceed 25-feet.

RE10WLCP
How to Estimate Delivered Lumens in Emergency Mode
To calculate lumen performance, multiple your luminaire's published efficacy (lumens per watt) by the output wattage of the ILB-CP emergency driver.
Delivered Lumens = LPW x CP
CP = 10 watts fro IOTA ILBLP CP10 HE SD B
LPW - Lumens per watt rating of the luminaire. This information is available on page 1 of this spec sheet or appropriate IES file.

Size	Total LED Boards Used	Total Drivers Used	LED Boards Illuminated in EM Mode	Quadrant Illuminated	Required Quantity of RE10WLCP
18IN	3	1	ALL	A, B, C, D	1
24IN	6	1	ALL	A, B, C, D	1
36IN	16	2	8	A,B	1
48IN	32	4	8	B	1



Wire Gauge (AWG)	Normal Driver Max Remote Distance	Max Remote Distance for RE10WLCP
20	46FT	23FT
19	59FT	29.50FT
18*	72FT	36FT
17	92FT	46FT
16	118FT	50FT**

*AWG 18 recommended.
** Not to exceed 50FT (per manufacturer)

RGTD

Emergency generator transfer device is remote mounted from the luminaire. The emergency control device senses the loss of normal AC power and switches the LED driver input power connection to an unswitched, generator (or central inverter) supplied lighting circuit bypassing the fixture wall switch. Consists of (1) BODINE [GTDIODIM](#) emergency lighting control device within (1) RME1 remote mounting enclosure with 2-foot long flexible conduit.

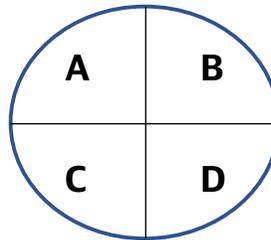
Maximum remote mounting distance from emergency LED driver to fixture is half the max distance between the normal driver and LED load. (Example: AWG 18 = 36-feet)

RETSDR

Emergency control device with internal dimming relay is remote mounted from the luminaire. The emergency control device senses the loss of normal AC power and bypasses the local switch device or dimmed setting, allowing emergency power directly to the fixture regardless of control setting. Consists of (1) [IOTA ETS DR](#) emergency lighting control device within (1) RME1 remote mounting enclosure with 2-foot long flexible conduit.

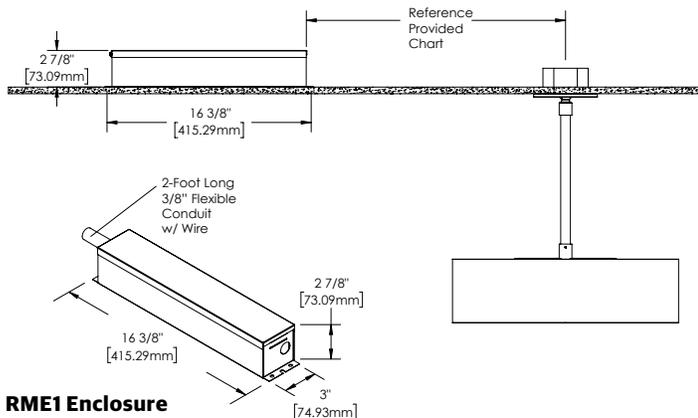
Maximum remote mounting distance from emergency LED driver to fixture is half the max distance between the normal driver and LED load. (Example: AWG 18 = 36-feet)

Size	Total LED Boards Used	Total Drivers Used	LED Boards Illuminated in EM Mode	Quadrant Illuminated	Required Quantity of RETSDR or RGTD
18IN	3	1	ALL	A, B, C, D	1
24IN	6	1	ALL	A, B, C, D	1
36IN	16	2	ALL	A, B, C, D	1
48IN	32	4	ALL	A, B, C, D	1

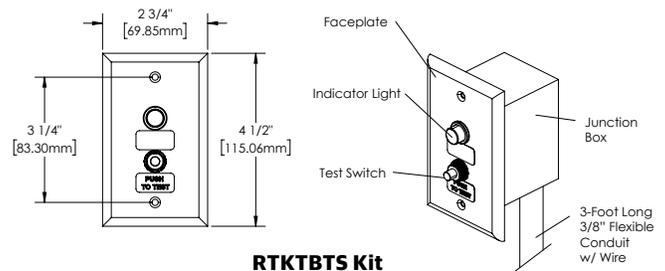


Wire Gauge (AWG)	Normal Driver Max Remote Distance	Max Remote Distance for RETSDR or RGTD
20	46FT	23FT
19	59FT	29.50FT
18*	72FT	36FT
17	92FT	46FT
16	118FT	50FT**

*AWG 18 recommended.
** Not to exceed 50FT (per manufacturer)



RME1 Enclosure



RTKTBTBS Kit

SPECIFICATIONS

Housing

Rolled and welded smooth aluminum extruded housing.

Stem/Canopy

Available in three configurations: a single stem support, a single stem support with (3) angled stainless steel cables from collar, and flexible wire cord with (3) angled stainless steel cables from canopy.

Finish

Four standard satin sheen polyester powder paint solid colors for trim, stem, and canopy. Consult factory for custom colors or specify RAL colors from Architectural brochure.

Inner Housing Reflector

Aluminum sheet metal with highly reflective white polyester powder paint.

Lenses/Shielding

Sand etched opal acrylic formed flat, concave, or convex lens.

Acoustic Panel

Material: ½" thick (12mm) polyester fiber material made from 100% recyclable materials.

Meets Global Recycled Standard and is Red List Free.

Weighted Sound Absorption Coefficient calculated according to EN ISO 11654:1997

$a_w = 0.80$

Sound Absorption: Class B

*NRC (Noise Reduction Coefficient) Rating (Slate, Pewter, Smoke): 0.90

*NRC (Noise Reduction Coefficient) Rating (All other colors): 0.80

*(NRC based upon testing acoustical sheet only, not in fixture or housing)

FSI (Flame Spread Index): 15

SDI (Smoke Developed Index): 40

Fire Rating Classification: Meets requirements of Class A Interior Wall & Ceiling

Finish Category per ASTM E84 or UL 723

Mounting

Mount directly to a standard octagon junction box (by others). For fixtures over 40lbs., additional support to structure (by others) required.

LED Components

Multiple lumen packages available with 2700K, 3000K, 3500K, 4000K and 5000K CCT in either 80CRI or 90CRI for both direct and indirect outputs. The Acuity Brands circuit boards use a precise binning algorithm which creates a consistent color temperature from board to board. The color a variation of no greater than a 2.5 Step MacAdam (2.55DECM) along the black body locus from board to board.

Electrical

Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 90% LED lumen maintenance at 38,000 hours (L90/38,000).

Dimming Drivers

Factory tuned constant current electronic dimming driver is standard. Flicker free dimming available down to <1%. LED drivers perform within the recommended operating areas for flicker as a function of frequency and modulation (%) 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. Electrical specifications at maximum driver load: PF > 0.9 and THD <20%. Meets FCC Title 47 Class A or Class B. Other available drivers include Lutron, DALI, and DMX protocol drivers. All drivers are RoHS compliant.

Controls and System Networking Options

Optional integrated nLight® controls make each fixture addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors, and photocontrols. Connection to nLight is simple. It can be accomplished with remote nLight AIR wireless or through standard Cat-5 cabling. (cabling "by others") nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other, while nLight AIR is commissioned easily through an intuitive mobile app.

Emergency Battery (Optional)

Remote emergency battery (RE10WLCP) for 90 minutes of operation. Emergency battery pack, 10W, Linear Constant Power Certified in CA Title 20 MAEDBS. Remote test switch and indicator light provided with wall/ceiling plate. Reference chart in the Emergency section for calculating delivered lumens in emergency mode.

Remote generator transfer device (RGTD) works in conjunction with an auxiliary generator or a central inverter system to power fixtures for safe egress lighting.

Remote emergency control device (RETSR) allows for the use of local switch and dimming controls on designated emergency luminaires powered by an auxiliary generator or inverter supply. The device senses the loss of normal AC power and bypasses the local switch device or dimmed setting, allowing emergency power directly to the fixture regard-less of control setting. The RETSDR allows designated LED operation in the fixture for the duration of the auxiliary supply at full light output.

Voltage

120 thru 277v/50-60Hz

Ambient Operating Temperature

-20°C (-4°F) to +25°C (+77°F).

Ambient Operating Humidity

90% relative humidity non-condensing maximum.

Environment

Suitable for damp locations. Indoor use only.

Certification

CSA certified to meet U.S. and Canadian standards (UL1598 and UL8750).

Fixture Weight (Without emergency or packaging)

18IN: 13 lbs.

24IN: 20 lbs.

36IN: 45 lbs.

48IN: 55 lbs.

Stem Weight (Without packaging)

F3/12F: 2 lbs.

F3/36F: 2 lbs.

F4/24A: 2 lbs.

F4/120A: 4 lbs.

F6/36F: 3 lbs.

F6/120F: 5 lbs.

BUY AMERICAN ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/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.