



Project 20-53745-40
BRCC - Patton Hall Interior Renovation/Addition

Submitted By
S L BAGBY CO

Type	Manufacturer/Brand	Catalog Number	Notes
ESTIMATED LEAD TIME 12-16 WEEKS		ESTIMATED LEAD TIME 12-16 WEEKS	
	AMERICAN NAIL PLATE LTG., INC.	CB0702-4F12.188-76	CONFIRM FINISH
	ABL-Lithonia Lighting	MRP LED 42C 350 50K SR4 MVOLT DDBXD	
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MRP LED LED Area Luminaire



Buy American



Specifications

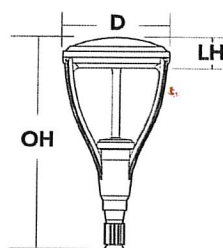
EPA: 1.125 ft²
(0.105 m²)

Luminaire Height: 6-3/8"
(16.2 cm)

Overall Height: 32"
(81.3 cm)

Diameter: 18"
(45.7 cm)

Weight (max): 37.5 lbs
(17 kg)



Catalog Number

Notes

Type

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background¹

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

- See ordering tree for details.
- A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)



A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: MRP LED 42C 700 40K SR5 MVOLT DDBXD

MRP LED						
Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
MRP LED	42C 42 LEDs (one engine)	350 350mA	30K 3000K	SR2 Type II	MVOLT ¹ 277 ²	Shipped included (blank) Fits 4"OD round pole Shipped separately³ MRPT20 2-3/8" tenon slipfitter MRPT25 2-7/8" tenon slipfitter Shipped separately¹ MRPT30 3-1/2" tenon slipfitter MRPT35 4" tenon slipfitter MRPF3 3" OD round pole adapter MRPF5 5" OD round pole adapter ⁴
		530 530mA	40K 4000K	SR3 Type III	120 ² 347 ²	
		700 700mA	50K 5000K	SR4 Type IV	208 ² 480 ²	
		1000 1000mA (1A)		SR5 Type V	240 ²	

Control options				Other options		Finish (required)			
Shipped installed									
PER	NEMA twist-lock receptacle only (control ordered separate)	PNMTDD3	Part night, dim till dawn ⁵	SF	Single fuse (120, 277, 347V) ²	DDBXD	Dark bronze	DDBTXD	Textured dark bronze
PERS	Five-wire receptacle only (control ordered separate) ³	PNMTSD3	Part night, dim 5 hrs ⁶	DF	Double fuse (208, 240, 480V) ²	DBLXD	Black	DBLBXD	Textured black
PER5	Five-wire receptacle only (control ordered separate) ³	PNMT6D3	Part night, dim 6 hrs ⁶			DNAXD	Natural aluminum	DNATXD	Textured natural aluminum
PER7	Seven-wire receptacle only (control ordered separate) ⁵	PNMT7D3	Part night, dim 7 hrs ⁶			DWHXD	White	DWHGXD	Textured white

Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ⁷
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ⁷
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ⁷
DSHORT SBK U	Shorting cap ⁷
MRPT20 DDBXD U	2-3/8" tenon slipfitter (specify finish)
MRPT25 DDBXD U	2-7/8" tenon slipfitter (specify finish)
MRPT30 DDBXD U	3-1/2" tenon slipfitter (specify finish)
MRPT35 DDBXD U	4" tenon slipfitter (specify finish)
MRPF3 DDBXD U	3" OD round pole adapter (specify finish)
MRPF5 DDBXD U	5" OD round pole adapter (specify finish) ¹

For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- 1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 2 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 3 Also available as a separate accessory; see Accessories information at left.
- 4 Maximum pole wall thickness is 0.156".
- 5 If ROAM@ node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
- 6 Dimming driver standard. Not available with 347V, 480V, SF, DF, PER5 or PER7.
- 7 Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
42C (42 LEDs)	530	75W	SR2	5,456	1	2	1	73	6,605	1	2	1	88	6,671	1	2	1	89
			SR3	5,436	1	1	1	72	6,581	1	1	2	88	6,647	1	1	2	89
			SR4	5,399	1	1	1	72	6,537	1	1	2	87	6,602	1	1	2	88
			SR5	5,748	3	1	3	77	6,959	3	1	3	83	7,029	3	1	3	94
	700	100W	SR2	6,630	1	2	1	66	8,026	2	2	2	80	8,106	2	2	2	81
			SR3	6,605	1	1	2	66	7,997	1	2	2	80	8,077	1	2	2	81
			SR4	6,561	1	1	2	66	7,943	1	2	2	79	8,022	1	2	2	80
			SR5	6,985	3	1	3	70	8,456	3	2	3	85	8,541	3	2	3	85
	1000	151W	SR2	8,165	2	2	2	54	9,885	2	2	2	65	9,983	2	2	2	66
			SR3	8,135	1	2	2	54	9,848	2	2	2	65	9,947	2	2	2	66
			SR4	8,080	2	2	2	54	9,782	2	2	2	65	9,880	2	2	2	65
			SR5	8,602	3	2	3	57	10,414	4	2	4	70	10,518	4	2	4	70

PER Table

Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)	
		Wire 4/Wire5	Wire 6/Wire7	Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✓	Wired to dimming leads on driver	Wired to dimming leads on driver	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	✗	Wired to dimming leads on driver	Wired to dimming leads on driver	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	✗	Wired to dimming leads on driver	Wired to dimming leads on driver	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof*	✗	Wired to dimming leads on driver	Wired to dimming leads on driver	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof* with Motion	✗	Wired to dimming leads on driver	Wired to dimming leads on driver	Wired to dimming leads on driver	Wires Capped inside fixture

- ✓ Recommended
- ✗ Will not work
- ⚠ Alternate

*Futureproof means: Ability to change controls in the future.

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.06
10°C	50°F	1.04
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.96

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the MRP LED 42C 700 platform 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	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.96	0.92	0.85



COMMERCIAL OUTDOOR

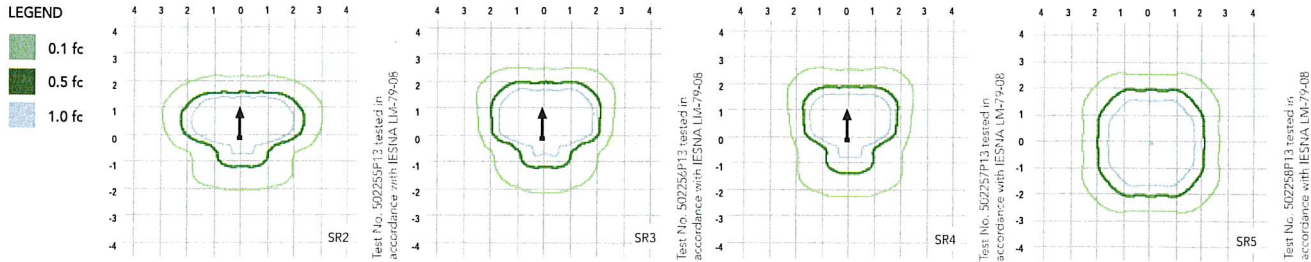
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MRP-LED
Rev. 03/17/21

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [MRP LED homepage](#).

Isofootcandle plots are considered to be representative of available optical distributions.



Part Night Controls

Part-Night controls are simple, energy-saving devices that allow luminaires dim during the late-night hours without the need of additional control circuits or wireless signals. With this luminaire-embedded device, the luminaires operate at full light output beginning at dusk (when turned on by the photocell or time clock), but then automatically reduce the light output (typically to 30%) for a period during the late-night hours when occupancy is lowest. The part-night device can keep the luminaire in energy-saving mode until dawn when the external photocell/timer switches off the luminaire, or it can be programmed for a shorter period, allowing early-morning occupants to enjoy full light output.

A luminaire with a factory-installed part-night device is easy to install as there are no additional wires and no required commissioning.

Luminaires equipped with part-night devices require some dusk to dawn control in order to operate correctly. This on-at-dusk and off-at-dawn capability may be in the form of a branch circuit photocontrol or astrological timeclock, or it could be a local photocontrol in the luminaire itself. Without dusk to dawn controls, the part-night will become disabled and the luminaire will remain on at 100%.

Available configurations are as follows:

PNMTDD3	Dims mid-way through the night	Remains dimmed until dawn	Dimmed at 30%
PNMT5D3	Dims mid-way through the night	Remains dimmed for 5 hours	Dimmed at 30%
PNMT6D3	Dims mid-way through the night	Remains dimmed for 6 hours	Dimmed at 30%
PNMT7D3	Dims mid-way through the night	Remains dimmed for 7 hours	Dimmed at 30%

The part-night device uses an algorithm which averages the durations of the last three dusk-to-dawn periods (length of time the luminaire was powered) and divides it in half to determine the mid-point of the night. This accounts for seasonality and specific environmental elements that might affect the lighting in the specific locations. The luminaire may operate at full power for the first three nights in order to calibrate.

FEATURES & SPECIFICATIONS

INTENDED USE

Streets, walkways, parking lots and surrounding areas.

CONSTRUCTION

Single-piece die-cast aluminum housing with nominal wall thickness of .012". Die-cast top access door/frame has impact-resistant, tempered glass lens (3/16" thick). Door/frame is fully gasketed with one-piece tubular silicone.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum and white. Available in textured and non-textured finishes.

OPTICS

Precision acrylic refractive optics for optimum light distribution through the flat glass lens. Light engines are available in standard 3000K (70 CRI) or optional 4000K (70 CRI) or 5000K (70 CRI) configurations.

ELECTRICAL

Light engine consists of 42 high-efficacy LEDs mounted to a metal-core circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low for operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Standard post-top mounting configuration fits into a 4" OD open pole top (round pole only). Multiple options and accessories are available for other mounting needs.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. Rated for -40°C minimum ambient. **U.S. Patent No. D556,357.**

BUY AMERICAN

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FARS, DFARS and DOT. Please refer to [www.acuitybrands.com/resources/buy-america](#) for additional information.

WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/resources/terms-and-conditions.aspx](#).

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.



COMMERCIAL OUTDOOR

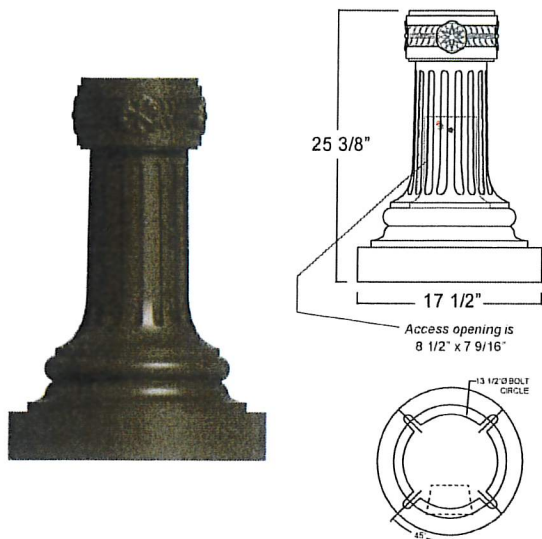
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MRP-LED
Rev. 03/17/21

	Project 20-53745-40 BRCC - Patton Hall Interior Renovation/Addition Submitted By S L BAGBY CO	Catalog Number: CB0702-4F12.188-76 Note: CONFIRM FINISH	Type
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ANPLighting

Specifications CB0702



Project: _____
Fixture Type: _____ Quantity: _____
Customer: _____

Specifications

Material:
All parts are durable 355 cast aluminum and high strength extruded aluminum.

Shafts are available in 4" and 5" diameter and wall thickness of .125 or .188.

All hardware provided shall be stainless steel or zinc plated steel.

Mounting:
Standard anchor bolts provided are 3/4" x 18" x 3". Bolts, nuts and washers shall be hot dipped galvanized steel.

Bolt pattern diameter is 13 1/2".

Access
Hand access opening and cover are provided in cast base. Hand hole cover is secured by two stainless steel machine screws. (Tamper-proof screws provided upon request) See drawing for position of hand hole.

10 1/4" bottom hole provided for conduit access.



Grounding
All cast bases are provided with an aluminum grounding lug integrated to inner wall of shaft, 180 degrees to hand hole. Grounding lug is drilled and tapped to accommodate 1/4-20 stainless steel machine screw.

Pole Height
Maximum pole height is 16 feet.

Finish:
A polyester powder coat high quality finish is electro-statically applied and baked at 430° for exceptional durability and color retention. Products undergo an intensive five-step cleansing and pretreatment process for maximum paint adhesion.

Marine grade finish provides superior salt, humidity and UV protection. This coating withstands up to 3000 hours of continuous salt spray, comes with a 5-year warranty and is available in either a textured or gloss surface.

Modifications:
Consult factory for custom or modified designs.

CB0702

Weight: 56 lbs
Anchor Bolts: 4

Catalog Logic	CB0702 Cast Base	- 5S16.188 Shaft	- GFI20 Accessory	- 72 Finish
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Catalog Number

CB0702

Additional heights and pole diameters may be available. Contact factory for your specific needs.

1 Smooth Shaft Catalog No.	1 Fluted Shaft Catalog No.	Shaft Diameter	Finished Height	Wall Thickness
4S10.125	-	4"	10'	.125
4S11.125	-	4"	11'	.125
4S12.125	-	4"	12'	.125
4S13.125	-	4"	13'	.125
4S14.125	-	4"	14'	.125
-	-	-	-	-
-	4F10.188	4"	10'	.188
-	4F11.188	4"	11'	.188
4S12.188	4F12.188	4"	12'	.188
4S13.188	4F13.188	4"	13'	.188
4S14.188	4F14.188	4"	14'	.188
4S15.188	4F15.188	4"	15'	.188
4S16.188	4F16.188	4"	16'	.188
-	-	-	-	-
5S12.125	-	5"	12'	.125
5S13.125	-	5"	13'	.125
5S14.125	-	5"	14'	.125
5S15.125	-	5"	15'	.125
5S16.125	-	5"	16'	.125
-	-	-	-	-
5S12.188	-	5"	12'	.188
5S13.188	-	5"	13'	.188
5S14.188	-	5"	14'	.188
5S15.188	-	5"	15'	.188
5S16.188	-	5"	16'	.188

2 ACCESSORIES	
GFI15	(15 amp GFCI receptacle outlet)
GFI20	(20 amp GFCI receptacle outlet)
GFI-WPU	(20 amp GFCI receptacle with weather proof in-use cover)
BAA	(Cast Banner Arm A for 24" wide banner)
BAB	(Cast Banner Arm B for 30" wide banner)
BAC	(Cast Banner Arm C for 30" wide banner)
LR1	(Cast Ladder Rest 1)
LR3	(Cast Ladder Rest 3)
LR4	(Cast Ladder Rest 4)
LR5	(Cast Ladder Rest 5)
SIGN A	(Cast Sign A; 30" x 9", 8 letters/numbers on one line; requires Banner Arm to hang)
SIGN B	(Cast Sign B; 31" x 7", 12 letters/numbers on one line; requires Banner Arm to hang)
SIGN C	(Cast Sign C; 27" x 11", two rows of 8 letters/numbers on each line; requires Banner Arm to hang)
SIGN D	(Cast Sign D; 11" x 6 1/2", 4 letters/numbers on one line)
SIGN E	(Cast Sign E; comes with pole clamp, 24 1/2" x 6", 9 letters/numbers on one line)
FPH1	(Flag Pole Holder)
TP	(Tamper Proof Screws)

11/01/2018

	Project 20-53745-40 BRCC - Patton Hall Interior Renovation/Addition	Catalog Number: CB0702-4F12.188-76	Type
	Submitted By S L BAGBY CO	Note: CONFIRM FINISH	

ANPLighting

Specifications CB0702

Project: _____
 Fixture Type: _____ Quantity: _____
 Customer: _____



3 FINISHES			
Standard Grade	Marine Grade	Standard Grade	Marine Grade
40	NA Raw Unfinished	53	100 Copper Clay
41	101 Black	56	109 Silver
42	102 Forest Green	61	106 Black Verde
43	114 Bright Red	70	118 Painted Chrome
44	107 White	71	105 Painted Copper
45	112 Bright Blue	72	108 Textured Black
46	123 Sunny Yellow	73	125 Matte Black
47	120 Aqua Green	76	121 Textured Architectural Bronze
49	NA Galvanized	77	127 Textured White
50	111 Navy	78	124 Textured Silver
51	103 Architectural Bronze	10	130 Aspen Green
52	104 Patina Verde	11	131 Cantaloupe
12	133 Lilac	13	132 Putty

Consult factory for additional paint charges and availability