



HISTORIC PRESERVATION COMMISSION

Isiah Leggett
County Executive

William Kirwan
Chairman

Date: July 26, 2018

MEMORANDUM

TO: Diane Schwartz Jones
Department of Permitting Services

FROM: Rebecca Ballo
Historic Preservation Section
Maryland-National Capital Park & Planning Commission

SUBJECT: Historic Area Work Permit #842414: New lights, lattice, electrical box/outlet

The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was **Approved** at the July 25, 2018 Historic Preservation Commission (HPC) meeting.

The HPC staff has reviewed and stamped the attached construction drawings.

THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant: Miki Matsuura
Address: 7210 Spruce Avenue, Takoma Park

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once work is complete the applicant will contact Rebecca Ballo at 301.563.3404 or rebecca.ballo@montgomeryplanning.org to schedule a follow-up site visit.





HISTORIC PRESERVATION COMMISSION
301/563-3400

APPLICATION FOR HISTORIC AREA WORK PERMIT

Contact Email: miki.matsuura39@gmail.com Contact Person: Ms. Miki Matsuura
Daytime Phone No.: (202) 714-4611

Tax Account No.: _____

Name of Property Owner: Ms. Miki Matsuura Daytime Phone No.: (202) 714-4611

Address: 7210 Takoma Park Spruce Avenue 20912
Street Number City Street Zip Code

Contractor: _____ Phone No.: _____

Contractor Registration No.: _____

Agent for Owner: _____ Daytime Phone No.: _____

LOCATION OF BUILDING/PREMISE

House Number: 7210 Street: Spruce Avenue

Town/City: Takoma Park Nearest Cross Street: Tulip Avenue

Lot: 37 Block: 8 Subdivision: District 13

Liber: _____ Folio: _____ Parcel: _____

PART ONE TYPE OF PERMIT ACTION AND USE

1A. CHECK ALL APPLICABLE:

- Construct Extend Alter/Renovate
- Move Install Wreck/Raze
- Revision Repair Reversible

CHECK ALL APPLICABLE:

- A/C Slab Room Addition Porch Deck Shed
- Solar Fireplace Woodburning Stove Single Family
- Fence/Wall (complete Section 4) Other: _____

1B. Construction cost estimate: \$ Unknown

1C. If this is a revision of a previously approved active permit, see Permit # _____

PART TWO COMPLETE FOR NEW CONSTRUCTION AND EXTEND/ADDITIONS

2A. Type of sewage disposal: 01 WSSC 02 Septic 03 Other: _____

2B. Type of water supply: 01 WSSC 02 Well 03 Other: _____

PART THREE COMPLETE ONLY FOR FENCE/RETAINING WALL

3A. Height _____ feet _____ inches

3B. Indicate whether the fence or retaining wall is to be constructed on one of the following locations:

- On party line/property line Entirely on land of owner On public right of way/easement

I hereby certify that I have the authority to make the foregoing application, that the application is correct, and that the construction will comply with plans approved by all agencies listed and I hereby acknowledge and accept this to be a condition for the issuance of this permit.

Signature of owner or authorized agent

June 22, 2018

Date

Approved: _____ For Chairperson, Historic Preservation Commission

Disapproved: _____ Signature: _____ Date: _____

Application/Permit No.: _____ Date Filed: _____ Date Issued: _____

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**THE FOLLOWING ITEMS MUST BE COMPLETED AND THE
REQUIRED DOCUMENTS MUST ACCOMPANY THIS APPLICATION.**

1. **WRITTEN DESCRIPTION OF PROJECT**

- a. Description of existing structure(s) and environmental setting, including their historical features and significance:

See attached documents.

- b. General description of project and its effect on the historic resource(s), the environmental setting, and, where applicable, the historic district:

See attached documents.

2. **SITE PLAN**

Site and environmental setting, drawn to scale. You may use your plot. Your site plan must include:

- a. the scale, north arrow, and date;
- b. dimensions of all existing and proposed structures; and
- c. site features such as walkways, driveways, fences, ponds, streams, trash dumpsters, mechanical equipment, and landscaping.

3. **PLANS AND ELEVATIONS**

You must submit 2 copies of plans and elevations in a format no larger than 11" x 17". Plans on 8 1/2" x 11" paper are preferred.

- a. Schematic construction plans, with marked dimensions, indicating location, size and general type of walls, window and door openings, and other fixed features of both the existing resource(s) and the proposed work.
- b. Elevations (facades), with marked dimensions, clearly indicating proposed work in relation to existing construction and, when appropriate, context. All materials and features proposed for the exterior must be noted on the elevations drawings. An existing and a proposed elevation drawing of each facade affected by the proposed work is required.

4. **MATERIALS SPECIFICATIONS**

General description of materials and manufactured items proposed for incorporation in the work of the project. This information may be included on your design drawings.

5. **PHOTOGRAPHS**

- a. Clearly labeled photographic prints of each facade of existing resource, including details of the affected portions. All labels should be placed on the front of photographs.
- b. Clearly label photographic prints of the resource as viewed from the public right-of-way and of the adjoining properties. All labels should be placed on the front of photographs.

6. **TREE SURVEY**

If you are proposing construction adjacent to or within the dripline of any tree 6" or larger in diameter (at approximately 4 feet above the ground), you must file an accurate tree survey identifying the size, location, and species of each tree of at least that dimension.

7. **ADDRESSES OF ADJACENT AND CONFRONTING PROPERTY OWNERS**

For ALL projects, provide an accurate list of adjacent and confronting property owners (not tenants), including names, addresses, and zip codes. This list should include the owners of all lots or parcels which adjoin the parcel in question, as well as the owner(s) of lot(s) or parcel(s) which lie directly across the street/highway from the parcel in question.

PLEASE PRINT (IN BLUE OR BLACK INK) OR TYPE THIS INFORMATION ON THE FOLLOWING PAGE.
PLEASE STAY WITHIN THE GUIDES OF THE TEMPLATE, AS THIS WILL BE PHOTOCOPIED DIRECTLY ONTO MAILING LABELS.

HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFYING
[Owner, Owner's Agent, Adjacent and Confronting Property Owners]

Owner's mailing address

**Ms. Miki Matsuura
7210 Spruce Avenue
Takoma Park, MD
20912**

Owner's Agent's mailing address

Adjacent and confronting Property Owners mailing addresses

**Matthew Gorman
7208 Spruce Avenue
Takoma Park, MD
20912**

**Yuri Zelinsky
7212 Spruce Avenue
Takoma Park, MD
20912**

**Barry Mashall Pauls
7210 Willow Avenue
Takoma Park, MD
20192**

7210 Spruce Ave. Case 37/03-18XX

Existing Property Condition Photographs (duplicate as needed)

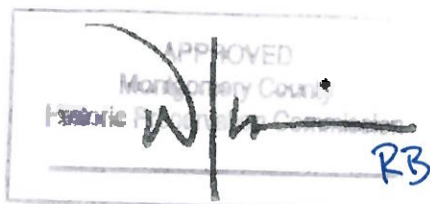


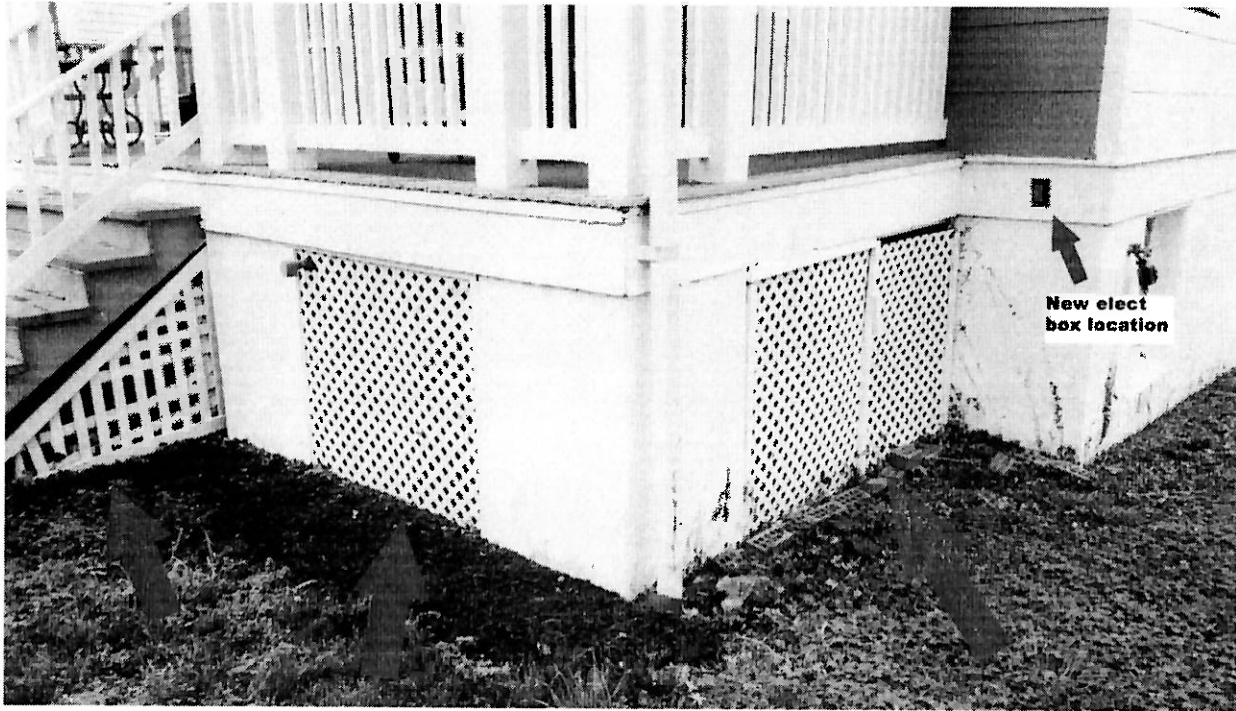
Detail: Figure 1. Front of house showing trellis / lattice work referenced in this document.



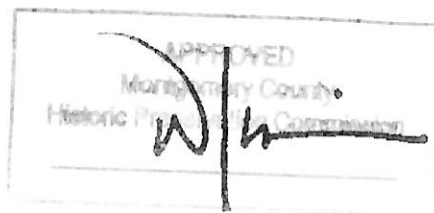
Detail: Figure 2. Original trellis / lattice on west side to be used as template and replaced. Note that there are vertical and horizontal bars missing due to deterioration rather than design.

Applicant: Miki Matsuura



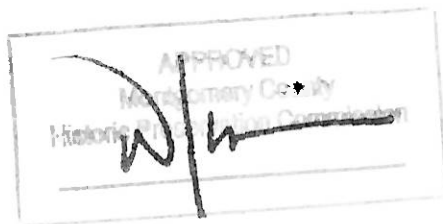


Detail: **Figure 3.** East side trellis / lattice to be changed; location of new outdoor electric box.



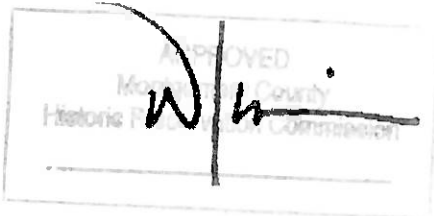


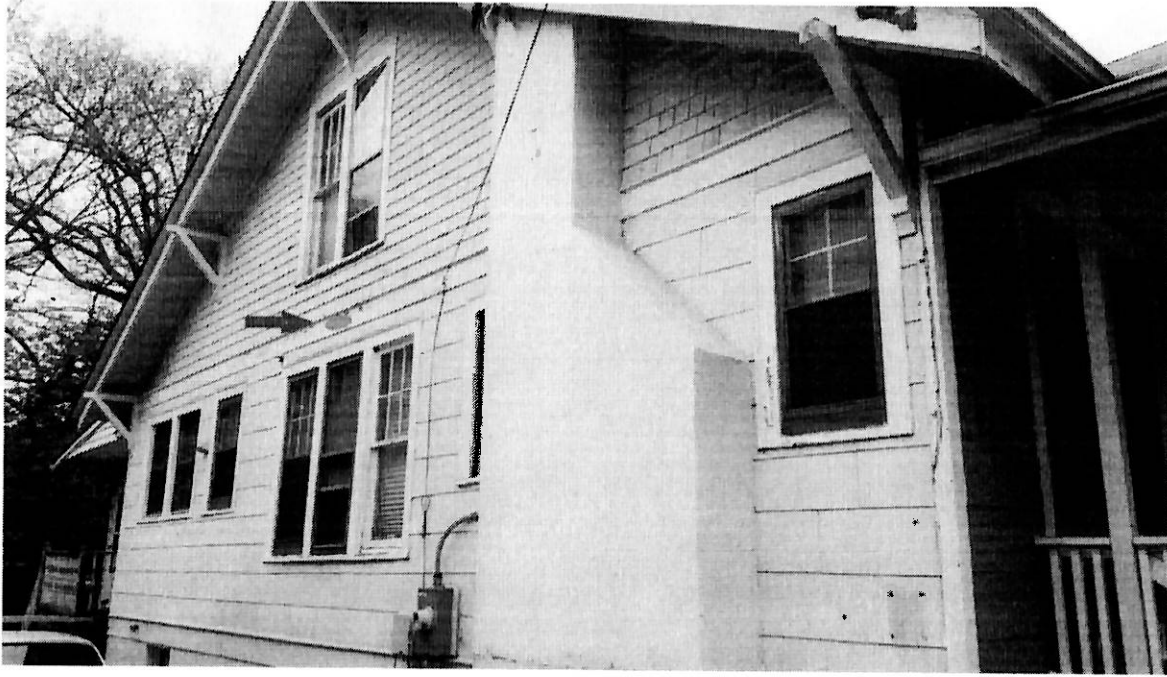
Detail: **Figure 4.** Existing porch lighting as viewed close up from east side.





Detail: **Figure 5.** Location of 3 new recessed lighting fixtures shown.





Detail: Figure 6. Location of exterior lighting fixture to be installed (west side of house)

1. Written description of the project

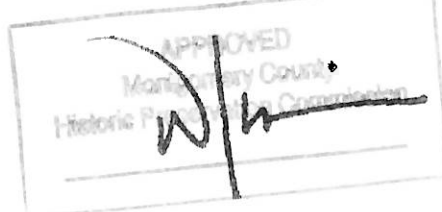
a. Description of existing structure(s) and environmental setting, including their historical features and significance

Craftsman bungalow in Takoma Park Historic District with deteriorating exterior trim features in need of repair, replacement, and/or preservation.

b. General description of project and its effect on historic resource(s), environmental setting, and where applicable, the historic district.

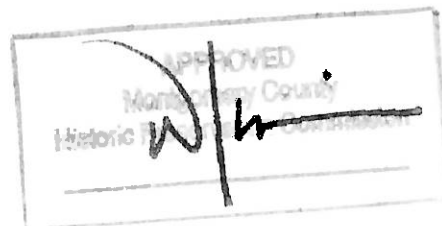
The project includes a number of minor repairs and updates:

1. Replace trellis / lattice work around front porch on eastern side of house. **See Figure 1.** The current trellis lattice work on the eastern side is of low cost builders grade vinyl trellis with a diagonal pattern and not of original design, materials, or period correct appearance; **See Figure 3.** The western side of the house contains original trellis / lattice work (deteriorating; will be used as a template and replaced) with period correct horizontal and vertical gridding that will be used as a template for fabricating replacement pieces from wood for the eastern side; **See Figure 2.** Replacement of the east side trellis / lattice will restore the home to its original and/or period correct appearance and enhance the value of the home as a historic resource.



2. Update and add above grade exterior electrical fixtures:

- a. Install an exterior light to the western side of the house to improve nighttime safety and security in the driveway (see indicated location on **Figure 6**). The fixture will be of small form factor to blend with existing trim. A small hole will be drilled in the trim board for electrical wiring to pass through. The fixture will be mounted to the trim board with screws. No structural changes to exterior or significant alteration of the historic features of the house will be involved. See attached image of fixture with dimensions at end of document.
- b. Install three recessed lighting fixtures in the ceiling of the front porch to improve nighttime safety and security of porch area and yard. These fixtures have the benefit of projecting useful yet non-obtrusive halos of light in needed areas in a manner which will not affect abutters enjoyment of nighttime darkness and the nocturnal environment. The recessed lighting fixtures are not clearly visible from the sidewalk view of the home, and only become visible upon walkup to the porch. Three holes (~ 4-6 inch diameter) will be drilled in the ceiling wood of the porch to allow installation of fixtures; **See Figure 5**. For existing porch lighting arrangement see **Figure 4**. No structural changes to exterior or significant alteration of the historic features of the house will be involved. See attached image of fixture with dimensions at end of document.
- c. Install a single-gang outdoor electrical outlet to the home front of the home as indicated in **Figure 3** for utility purposes. This outlet will be fitted with an outdoor cover which is colored so as to blend in with the existing paint scheme and is sized so as to be non-obtrusive. A small hole will be drilled in the siding for electrical wiring to pass through. The fixture will be mounted to the trim board with screws. No major structural changes to exterior or significant alteration of the historic features of the house will be involved.

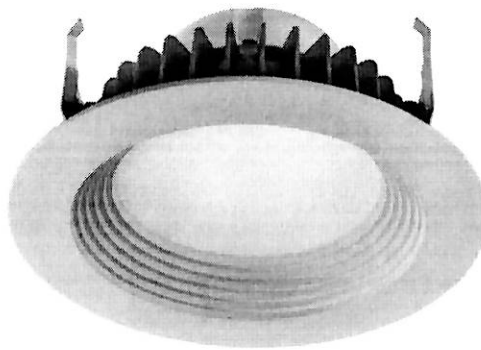


PHILIPS LIGHTOLIER

Downlighting

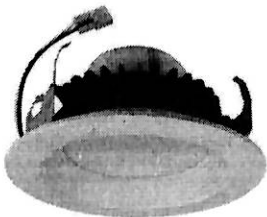
CorePro LED

Attractive, affordable, and easy to install 5" downlight



Project _____
 Location _____
 Cat No _____
 Type _____
 Lamps _____ Qty _____
 Notes: _____

Core value LED downlight for new construction and remodel applications that installs in many existing residential and commercial applications.



Ordering guide

example CP5RB07830W

Catalog Number	Aperture	CRI	CCT	Lumens	System Watts (Max)	Efficacy (lm/W)	Voltage
CP5RB08830W	5-inch	80	3000K	950lm	13	73	120
CP5RB08830W	5-inch	90	3000K	900lm	13	69	120
CP5RB08840W	5-inch	80	4000K	1000lm	13	77	120

Features

- Reflector/Flange:** One piece self flange cast aluminum, powder coated, non yellowing, white baffle and flange.
- Lens:** High transmittance lens allowing for smooth, diffused light pattern.
- Power supply:** Class 2 driver. Factory wired electronic LED driver (see Electrical section for specifications).
- LED board:** Light emitted source.
- Friction spring:** Stainless steel.
- Power connection:** Trim features quick connect plug installed as standard installation into CP5RN and CP5RR housings with mating connector. Trim ships with a medium base socket adapter whip for installation into 5" incandescent housings with medium base sockets.
- Lifetime:** Expected lifetime 50,000 hours and backed by a 5-year warranty (see Philips.com/warranties for details).

Electrical

Electronic power supply: RoHS compliant* Class 2 power unit for use in a dry and damp locations. Complies with FCC.

Dimming: All luminaires are intended for use with TRIAC type dimmers. Go to <http://www.lightolier.com/MKACatpdfs/LED-DJM>. PDF for the latest dimming switch capability information. 10%-100% dimming range.

Lumen Output	Input Voltage	Input Frequency	Max. Input Current	Max. Input Power	Max THD	Power Factor	Min. Temp. Operating
950lm	120V	50/60Hz	0.10A	13W	< 30%	> 9	-20° C

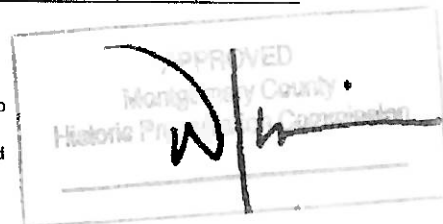
Performance data based on 80 CRI 3000K.

* Restrictions on Hazardous Substances (RoHS) is a European directive (2002/95/EC) designed to limit the content of 6 substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE)) in electrical and electronic products. For products used in North America compliance to RoHS is voluntary and self-certified.

Labels

cULus listed for wet locations. Energy Star certified.

Title 24 Certified to meet high efficiency requirements.



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CP5 CorePro LED Downlight

Attractive, affordable, and easy to install 5" downlight



CP5RN: 5" IC/Airseal frame-in kit housing

Housing - Constructed of formed aluminum. For use in direct contact with thermal insulation. Adjusts vertically in plaster frame to accommodate ceilings 1/2" to 1-1/2" thick. Ceiling opening 5-1/2".

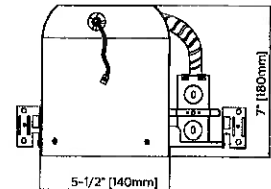
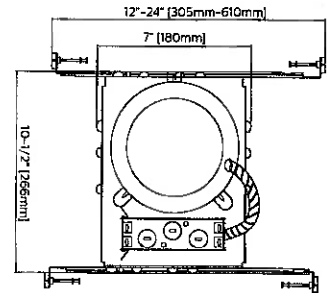
Electrical Connection - LED quick-connect adapter

Junction Box - galvanized steel with two snap-on covers and grounding pigtail. Knockouts for 1/2" & 3/4" conduit and Romex knockouts with strain relief

Bar Hangers: Pre-installed pre-nailed style bar hangers telescope from 16" to 24". Vertical design of interlocking bar hangers prevents sagging even at full 24" extension. Style bar hangers may be used on either long or short axis of housing.

IC frame-in Kit - Housing is cULus Listed for direct contact with thermal insulation cULus Listed for Damp Locations and Through Branch Wiring, 4 in/4 out.

AirSeal™: Fixture is AirSeal™ rated according to ASTM E283 to no more than 2.0 cubic feet of air per minute at 75 pascals. Fixture meets Washington State Energy Code and Energy Conservation Code.



CP5RR: 5" IC/Airseal Remodeler Housing

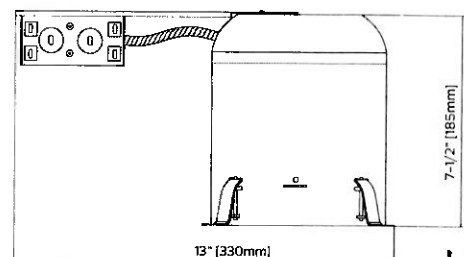
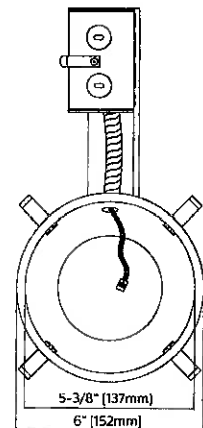
Housing - Constructed of formed aluminum. Adjusts vertically in plaster frame to accommodate ceilings 1/2" to 1-1/4" thick. Housing can be pulled through plaster frame for access to junction box. Ceiling opening of 5-3/8".

Electrical Connection - LED quick-connect adapter

Junction Box - galvanized steel with two snap-on covers and grounding pigtail. Knockouts for 1/2" & 3/4" conduit and Romex knockouts with strain relief

IC Frame-in Kit - Housing is cULus Listed for direct contact with thermal insulation cULus Listed for Damp Locations and Through Branch Wiring, 4 in/4 out.

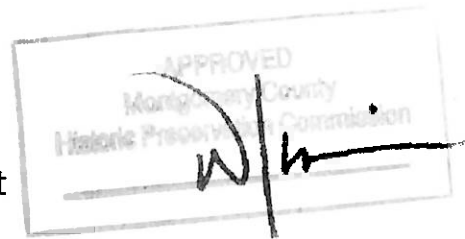
AirSeal™: Fixture is AirSeal™ rated according to ASTM E283 to no more than 2.0 cubic feet of air per minute at 75 pascals. Fixture meets Washington State Energy Code and Energy Conservation Code.



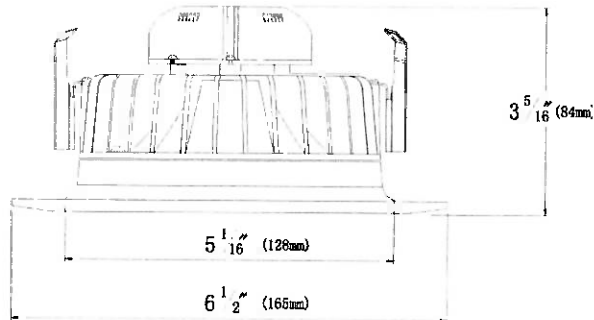
11

CP5 CorePro LED Downlight

Attractive, affordable, and easy to install 5" downlight

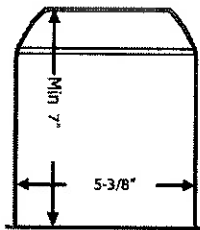


Dimensions

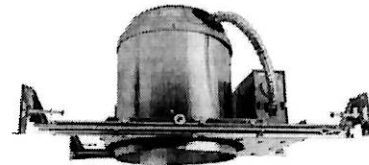


E26 Compatibility*

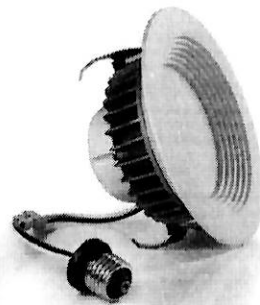
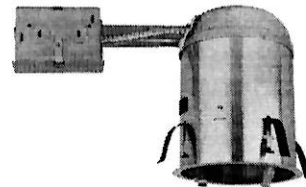
Manufacturer	Model
Philips	CP5RN CP5RR 1004IC 1004ICR CR5QP CRR5QP
Halo	H5ICAT H5RICAT H5T H5RT
Juno	IC20NW IC20N
Lithonia	L5 L5R



CP5RN: IC c/w LED Connector
New Construction Housing



CP5RR: IC c/w LED Connector
Remodeler Housing

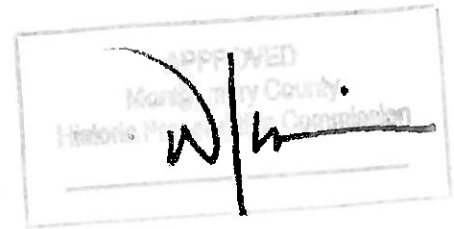


5" unit shown with standard (E26)
adapter to fit medium base sockets

* Any other luminaires meeting these dimensions as shown are also compatible

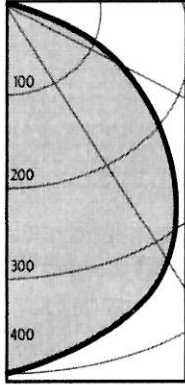
CP5 CorePro LED Downlight

Attractive, affordable, and easy to install 5" downlight



CP5RB08830W

Candela Curves



Angle	Mean CP	Lumens
0	402	
5	398	38
10	390	
15	377	107
20	359	
25	338	158
30	314	
35	289	184
40	261	
45	232	183
50	199	
55	163	152
60	127	
65	91	96
70	56	
75	26	34
80	9	
85	3	5
90	0	

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	16	6.0
6'	11	7.2
7'	8	8.4
8'	6	9.6
9'	5	10.8

* Beam diameter is where foot-candles drop to 50% of maximum

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq ft.
5'	39.6	0.55
6'	26.0	0.36
7'	18.5	0.26
8'	15.5	0.21
9'	12.4	0.17

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%	
	70	50	30	10	50	10	50	10	50	10	0	
Wall	70	50	30	10	50	10	50	10	50	10	0	
RCR	Zonal cavity method - Effective floor reflectance = 20%											
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	110	106	102	99	104	97	100	94	96	91	87
	2	101	94	87	82	92	81	88	79	85	78	74
	3	93	83	75	69	81	69	78	68	76	66	63
	4	85	74	66	59	73	59	70	58	68	57	55
	5	79	66	58	52	65	51	63	51	61	50	48
	6	73	60	51	45	59	45	57	45	56	44	42
	7	67	55	46	40	54	40	52	40	51	40	37
	8	63	50	42	36	49	36	48	36	47	36	33
	9	59	46	38	33	45	32	44	32	43	32	30
	10	55	42	35	30	42	30	41	29	40	29	27

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	303	31.7%
0-40	486	50.9%
0-60	821	85.9%
0-90	956	100.0%

Adjustment factors

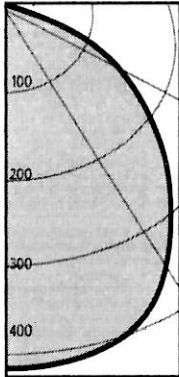
Color temperature (CCT)
4000K = 106%

Report#: BTS165313

Output lumens:	956 2lms	Efficacy:	771lm/w
Input Watts:	12.4W	CCT:	3000K
Spacing Criterion:	1.2	CRI:	>80

CP5RB08930W

Candela Curves



Angle	Mean CP	Lumens
0	407	
5	406	38
10	400	
15	389	108
20	372	
25	351	157
30	325	
35	295	177
40	263	
45	230	167
50	195	
55	157	128
60	120	
65	86	74
70	56	
75	30	26
80	13	
85	5	4
90	0	

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	16	5.5
6'	11	6.6
7'	8	7.7
8'	6	8.8
9'	5	9.9

* Beam diameter is where foot-candles drop to 50% of maximum

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq ft.
5'	37.0	0.54
6'	24.3	0.35
7'	17.3	0.25
8'	14.4	0.21
9'	11.6	0.17

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%	
	70	50	30	10	50	10	50	10	50	10	0	
Wall	70	50	30	10	50	10	50	10	50	10	0	
RCR	Zonal cavity method - Effective floor reflectance = 20%											
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	111	106	103	100	104	98	100	95	96	92	87
	2	102	95	89	84	93	83	89	81	86	79	75
	3	94	84	77	71	83	71	80	69	77	68	65
	4	86	75	67	61	74	61	72	60	69	59	57
	5	80	68	60	54	67	53	65	53	63	52	50
	6	74	62	53	47	61	47	59	47	57	46	44
	7	69	56	48	42	55	42	54	42	53	42	39
	8	64	52	44	38	51	38	50	38	48	37	35
	9	60	47	40	34	47	34	46	34	45	34	32
	10	57	44	36	31	43	31	42	31	42	31	29

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	303	34.5%
0-40	480	54.6%
0-60	775	88.2%
0-90	879	100.0%

Report#: BTS165314

Output lumens:	879 3 lms	Efficacy:	721lm/w
Input Watts:	12.2W	CCT:	3000K
Spacing Criterion:	1.1	CRI:	>90

- 1 Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78 377-2008. Specifications for the Chromaticity of Solid State Lighting Products
- 2 Wattage: controlled to within 5%
- 3 Tested using absolute photometry as specified in LM79- IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products

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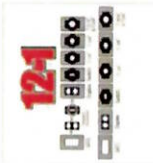
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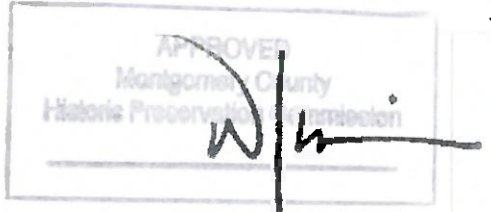
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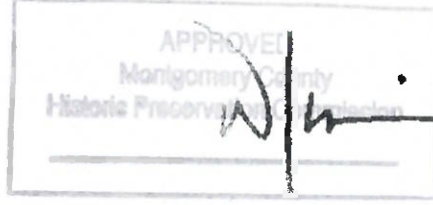
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