

Permit #:	13-186409-000-00-CO	Date: 11-6-2013	

Customer name and phone number: TERRILL ALLEN 503-380-9184

Note:

In the spaces below, please provide specific information concerning the changes that you have made in response to the checksheet. Note the checksheet item number, your response or a description of the revision, and the location of the change on the plans (i.e. page number and/or detail number). Use as many lines as needed. If the item is not in response to a checksheet, write "Applicant" in the column labeled "Checksheet item number."

Checksheet item number	Description of changes, corrections, additions, etc.	Location on plans
10-A	EGKESS LIGHTING HAS BEEN ADDED TO	A6
	THE PLANS AS REQUESTED.	
	CUT SHEETS ARE ATTACHED.	
10-B	REVISED/UPDATED CONCHECK LIGHTING	ATTACHED TO
	FORMS FOR INTERIOR & EXTERIOR	RESPONSE FORM.
	LIGHTING HAUE BEEN FILLED OUT	
	& ARE ATTACHED TO REAK OF RESPONS	E
	SHEETS.	
	m E G E L U	
	M	
	ПП	
	SERVICES	
	DGCUME"	

JAMAN Page 4

Plan Bin Location: 09CO

codes and standards

- UL Listed to Standard 924.
- NFPA 101 (Life Safety Code)
- NFPA 70 (National Electric Code)
- · BOCA and OSHA illumination standard.
- · UL Listed for damp locations.

construction

- · Contractor friendly, snap together design.
- UL 94V-O high impact thermoplastic construction. installation
- · Wall or ceiling mounted.
- · Easy removable knocks for mounting.
- · Jbox pattern on back panel.

electronics

- · Surge protected, solid state circuitry.
- Charging systems are complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.
- VU6LSD comes with self-testing/self-diagnostic circuitry that will automatically initiate a one minute monthly test.
- 30 minute test every 6th month and one 90 minute test annually.
- A manual test can be performed at any time by simply pressing the test button. See spec sheet CE-17300.
- Power Consumption

AC Mode = 2.8W

ER Mode = 3.5W

lamps

- VU6L series units have two LED lampheads with 1.1 Watts per head.
- Expected lamp life up to 10 years.

battery

- Maintenance-free sealed lead calcium battery has an estimated service life of five years
- Operating temperature range of 65°F (19°C) to 85°F (30°C).
- Supplies 90 minutes of emergency illumination.

remote capacity

- · VU6L 2-1.1W remote LED Lampheads.
- VL1RHP and VL2RHP are only remote lamp heads for this unit.

warranty

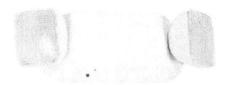
· Five year warranty on units.

CM-20050

Commercial Emergency

VU6L Series

Value+ Economy Grade LED
Thermoplastic Unit





Specifier's Reference

Project

Туре

Model No.

Comments

Ordering Information

Remote Lamp Heads

Catalog Number

Family	Voltage	Wattage	Housing Color	Lamp Type	Remote Capability
VU6L	6	5	White	1.1 Watt LED	2.2 Watt
VU6LB	6	5	Black	1.1 Watt LED	2.2 Watt
VU6LSD	6	5	White	1.1 Watt LED	2.2 Watt

Wattage

VL1RHP VL2RHP	6	2.2	White	

Housing Color

VL1RHP
LED Single Remote Lamp Heads
LED Double





Accessories (order separately)

WG4 PCS1 Wire Guard for VU (wall mount only)
Polycarbonate Vandal Shield

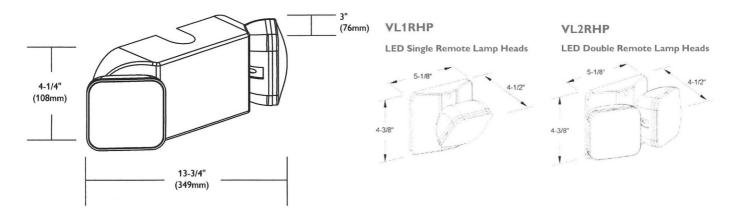
Note

Refer to CA-51200 for matching remote lamp heads.



PHILIPS CHLORIDE

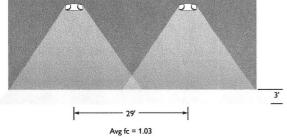
dimensions



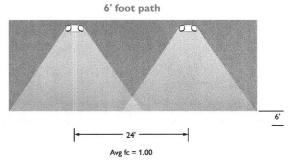
performance

Meets Life Safety Code standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes open space with no obstructions, mounting height: 0', ceiling height: 9', and reflectances: 80/50/20. Analysis based on independently tested photometrics.





Test No.: 29334



Test No.: 29334

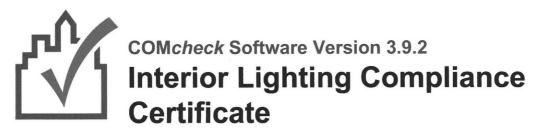


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776 South Green Street • Tupelo, MS 38804 p. 800.234.1890 • f. 662.841.5501 Canadian Division 189 Bullock Drive • Markham, Ontario L3P 1W4 p. 905.294.9570 • f. 905.294.9811 Contact Factory for Additional Configurations. Specifications are subject to change without notice.



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org



2010 Oregon Energy Efficiency Specialty Code

Section 1: Project Information

Project Type: Alteration

Project Title: Holladay Shop LLC

Construction Site: 10248 NE Holladay St.

Portland, OR 97220

Permit No. 13-186409-000-00-CO

Owner/Agent:

Terrill Allen Allen & None Designs 12042 SE Sunnyside Rd. #461

Clackamas, OR 97015 503-380-9184

tallen@AllenAndNoneDesigns.com

Designer/Contractor:

David Wray

Northern Illumination Co.

17400 SW Upper Boones Ferry Rd.

Suite 270

Portland, OR 97224 503-226-3633 dwray@nic-mail.com

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
Exam Rooms (Hospital:Exam/Treatment) (Ceiling Height 10 ft.)	427	1.26	538
Hall & Med Prep (Hospital:Corridors /Transition) (Ceiling Height 10 ft.)	415	0.94	390
Waiting Room (Common Space Types:Lobby) (Ceiling Height 10 ft.)	166	1.28	212
Break Room (Common Space Types:Lounge/Recreation) (Ceiling Height 10 ft.)	48	1.16	56
Work Stations 1-3 (Common Space Types:Office - Enclosed) (Ceiling Height 10 ft.)	143	0.99(a)	142
Reception (Hospital:Nurse Station) (Ceiling Height 10 ft.)	50	0.85	43
Restrooms (Common Space Types:Restrooms) (Ceiling Height 10 ft.)	114	0.82	93
Mechanical (Common Space Types:Electrical/Mechanical) (Ceiling Height 10 ft.)	33	1.24	41
		Total Allowed Watts =	1515

⁽a) Allowed watts per sq. ft. adjusted for ceiling height.

Section 3: Interior Lighting Fixture Schedule

A Fixture ID: Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	(C X D)
Exam Rooms (Hospital:Exam/Treatment 427 sq.ft.)				
Linear Fluorescent 1: B: FluorescentPendant: 48" T8 32W: Electronic:	3	5	89	445
Hall & Med Prep (Hospital:Corridors /Transition 415 sq.ft.)				
Linear Fluorescent 2: A: Fluorescent Pendant: 48" T8 32W: Electronic:	2	5	59	295
Compact Fluorescent 1: C: CFL Pendant: Triple 4-pin 42W: Electronic:	1	2	45	90
LED 1: D: LED Pendant: Other:	1	1	6	6
Linear Fluorescent 9: 24" T8 17W: Electronic:	1	2	15	30
Waiting Room (Common Space Types:Lobby 166 sq.ft.)				
Compact Fluorescent 2: C: CFLPendant: Triple 4-pin 42W: Electronic:	1	4	45	180
LED 2: D: LED Pendant: Other:	1	3	6	18
Break Room (Common Space Types:Lounge/Recreation 48 sq.ft.)				
Linear Fluorescent 4: A: Fluorescent Pendant: 48" T8 32W: Electronic:	2	1	59	59
Work Stations 1-3 (Common Space Types:Office - Enclosed 143 sq.ft.)				
Linear Fluorescent 5: A: Fluorescent Pendant: 48" T8 32W: Electronic:	2	1	59	59

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	Tota	Propose	ed Watte =	1508
Linear Fluorescent 8: 48" T8 32W: Electronic:	2	1	59	59
Mechanical (Common Space Types:Electrical/Mechanical 33 sq.ft.)				
Linear Fluorescent 7: 48" T8 32W: Electronic:	2	2	59	118
Restrooms (Common Space Types:Restrooms 114 sq.ft.)				
Linear Fluorescent 6: A: Fluorescent Pendant: 48" T8 32W: Electronic:	2	1	59	59
Reception (Hospital:Nurse Station 50 sq.ft.)				
Compact Fluorescent 3: C: CFL Pendant: Triple 4-pin 42W: Electronic:	1	2	45	90

		Total Freposed Water 1999	
Sec	tion	4: Requirements Checklist	
identit	fy requ	ing requirements, blank checkboxes identify requirements that the applicant has not acknowledged as being met. Checkmarks irements that the applicant acknowledges are met or excepted from compliance. 'Plans reference page/section' identifies where ecs the requirement can be verified as being satisfied.) in
-	Total Allow	g Wattage: proposed watts must be less than or equal to total allowed watts. ed Wattage: 1515 Proposed Wattage: 1508 lilies: YES	
М	anda	tory Requirements:	
		igns. Internally illuminated exit signs shall not exceed 5 watts per side.	
		reference page/section: _AG	
_	in th dayl while sing sout	th transport to the light sones are provided with individual controls that control the lights independent of general area lightic non-daylight zone. In all individual daylight zones larger than 350 sq.ft., automatic daylight controls is provided. Automatic ght sensing controls reduce the light output of the controlled luminaires at least 50 percent, and provide an automatic OFF conting maintaining a uniform level of illumination. Contiguous daylight zones adjacent to vertical fenestration may be controlled by a controlling device provided that they do not include zones facing more than two adjacent cardinal orientations (i.e., north, easin, west). Daylight zones under skylights shall be controlled separately from daylight zones adjacent to vertical fenestration. ion(s):	rol,
		Retail spaces adjacent to vertical glazing (retail spaces under overhead glazing are not exempt).	
		Display, exhibition and specialty lighting	
		HID lamps 150 watts or less.	
		Spaces required to have occupancy sensors.	
	Plans	reference page/section:	
_	each a rei	or lighting controls. At least one local shutoff lighting control has been provided for every 2,000 square feet of lit floor area and area enclosed by walls or floor-to-ceiling partitions. The required controls are located within the area served by the controls or note switch that identifies the lights served and indicates their status. ion(s):	are
		Lighting systems serving areas designated as security or emergency areas that must be continuously lighted.	
		Lighting in public areas such as concourses, stairways or corridors that are elements of the means of egress with switches that are accessible only to authorized personnel.	
		Lighting for warehouses, parking garages or spaces using less than 0.5 watts per square foot.	
		Lighting for contiguous, single-tenant retail spaces.	
	Plans	reference page/section:	
<u> </u>	Sleep	ing unit controls. Master switch at entry to hotel/motel guest room.	
	Plans	reference page/section:	
_	perio	s lighting. Egress illumination is controlled by a combination of listed emergency relay and occupancy sensors to shut off during ds that the building space served by the means of egress is unoccupied. ion(s):	9
	Ø	Building exits as defined in Section 1002 of the Oregon Structural Specialty Code.	
	Plans	reference page/section: A6	
7.		onal controls. Each area that is required to have a manual control shall have additional controls that meet the requirements of ons 505.2.2.1 and 505.2.2.2.	
	Plans	reference page/section:	

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	8.		reduction controls. Each space required to have a manual control also allows for reducing the connected lighting load by at least						
		•	ercent by either controlling (dimming or multi-level switching) all luminaires; or						
			2) dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps; or						
		,	switching the middle lamp luminaires independently of other lamps; or						
		,	switching each luminaire or each lamp.						
	Exception(s): Only one luminaire in space.								
			An occupant-sensing device controls the area.						
			The area is a corridor, storeroom, restroom, public lobby or sleeping unit.						
			Electrical and mechanical room.						
			Areas that use less than 0.6 Watts/sq.ft.						
		Plans	s reference page/section:						
	9.		ings larger than 2,000 square feet are equipped with an automatic control device to shut off lighting in those areas. This automatic						
			rol device shall function on either:						
			a scheduled basis, using time-of-day, with an independent program schedule that controls the interior lighting in areas that do not sed 10,000 square feet and are not more than one floor; or						
			an occupant sensor that shall turn lighting off within 30 minutes of an occupant leaving a space; or						
		,	a signal from another control or alarm system that indicates the area is unoccupied.						
		⊏хсер	tion(s): Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.						
			s reference page/section:						
	10		pancy sensors in rooms that include daylight zones are required to have Manual ON activation.						
	10		s reference page/section:						
	11								
			ccupant sensor control device is installed that automatically turns lighting off within 30 minutes of all occupants leaving a space. tion(s):						
			Classrooms and lecture halls.						
			Conference, meeting and training rooms.						
			Employee lunch and break rooms.						
			Rooms used for document copying and printing.						
			Office spaces up to 300 square feet.						
			Restrooms.						
			Dressing, fitting and locker rooms.						
			s reference page/section:						
_	10								
Ц	12		ional controls. An occupant sensor control device that automatically turns lighting off within 30 minutes of all occupants leaving a se or a locally activated switch that automatically turns lighting off within 30 minutes of being activated is installed in all storage and						
		-	lly rooms up to 1000 square feet.						
		Plans	s reference page/section:						
	13	Occu	pant override. Automatic lighting shutoff operating on a time-of-day scheduled basis incorporates an override switching device						
Ц	10		1) is readily accessible, 2) is located so that a person using the device can see the lights or the area controlled by that switch, or						
			at the area being lit is annunciated, 3) is manually operated, 4) allows the lighting to remain on for no more than 2 hours when an						
			ride is initiated, and 5) controls an area not exceeding 2,000 square feet.						
	1		tion(s):						
			In malls and arcades, auditoriums, single-tenant retail spaces, industrial facilities and arenas, where captive-key override is utilized, override time is permitted to exceed 2 hours.						
			In malls and arcades, auditoriums, single-tenant retail spaces, industrial facilities and arenas, the area controlled shall not exceed						
			20,000 square feet.						
			s reference page/section:						
	14	.Holid	ay scheduling. Automatic lighting shutoff operating on a time-of-day scheduled basis has an automatic holiday scheduling feature turns off all loads for at least 24 hours, then resumes the normally scheduled operation.						
	1		turns oπ all loads for at least 24 nours, then resumes the normally scheduled operation. tion(s):						
			Retail stores and associated malls, restaurants, grocery stores, places of religious worship, theaters and exterior lighting zones.						
			Single zone electronic time control devices and self-contained wall box preset lighting controls.						

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	Plans reference page/section:
	15. Exterior lighting controls. Lighting not designated for dusk-to-dawn operation shall be controlled by either a combination of a photosensor and a time switch, or an astronomical time switch. Lighting designated for dusk-to-dawn operation shall be controlled by an astronomical time switch or photosensor.
	Plans reference page/section:
	 16.Tandem wiring. The following luminaires located within the same area shall be tandem wired: 1. Fluorescent luminaires equipped with one, three or odd-numbered lamp configurations, that are recess-mounted within 10 feet center-to-center of each other. 2. Fluorescent luminaires equipped with one, three or any odd-numbered lamp configuration, that are pendant- or surface-mounted within 1 foot edge- to-edge of each other. Exception(s):
	☐ Where electronic high-frequency ballasts are used.
	Luminaires on emergency circuits.
	Luminaires with no available pair in the same area.
	Plans reference page/section:
	17. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.
	Plans reference page/section:
	18.Each dwelling unit in a building is metered separately.
	Plans reference page/section:
	erior Lighting PASSES
26	ection 5: Compliance Statement
othe Effic	<i>impliance Statement:</i> The proposed lighting design represented in this document is consistent with the building plans, specifications and er calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2010 Oregon Energy ciency Specialty Code requirements in COM <i>check</i> Version 3.9.2 and to comply with the mandatory requirements in the Requirements ecklist.
Na	TERRILL ALLEH, DESIGNER MAN AUM 11-5-2013 Signature Signature Date

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2010 Oregon Energy Efficiency Specialty Code

Section 1: Project Information

Project Type: Alteration

Project Title: Holladay Shop LLC

Exterior Lighting Zone: 2 (Neighborhood business district)

Construction Site:

10248 NE Holladay St. Portland, OR 97220

Permit No. 13-186409-000-00-CO

Owner/Agent:

Terrill Allen Allen & None Designs

12042 SE Sunnyside Rd. #461 Clackamas, OR 97015

503-380-9184

tallen@AllenAndNoneDesigns.com

Designer/Contractor:

David Wray

Northern Illumination Co.

17400 SW Upper Boones Ferry Rd.

Suite 270

Portland, OR 97224 503-226-3633 dwray@nic-mail.com

Section 2: Exterior Lighting Area/Surface Power Calculation

A Exterior Area/Surface	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B x C)	F Proposed Watts
Entry Door Wall Lights (Main entry)	3 ft of door width	20	Yes	60	26
Rear Door Wall Light (Other door (not main entry))	3 ft of door width	20	Yes	60	0
Wall Lights on Entry Columns (Special feature area)	10 ft2	0.14	Yes	1	0
North facade wall & Entry overhang (Illuminated length of facade wall or surface)	38 ft	2.5	No	95	105
East walkway next to building (Walkway < 10 feet wide)	60 ft of walkway length	0.7	Yes	42	105
Planters at North side of Bldg. (Special feature area)	55 ft2	0.14	Yes	8	30
Trees at East side of driveway (Special feature area)	800 ft2	0.14	Yes	112	69
Can light over Entry Porch (Entry canopy)	49 ft2	0.25	Yes	12	15
HVAC area @ SW Corner of Bldg. (Special feature area)	300 ft2	0.14	Yes	42	150
Parking & Waste Disposal Areas (Parking area)	4352 ft2	0.06	Yes	261	600
		Total Trad	able Watts* =	598	995
		Total All	owed Watts =	693	
	Total Allowe	d Suppleme	ntal Watts** =	600	

^{*} Wattage tradeoffs are only allowed between tradable areas/surfaces.

Section 3: Exterior Lighting Fixture Schedule

A Fixture ID: Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	(C X D)
Entry Door Wall Lights (Main entry 3 ft of door width): Tradable Wattage				
Compact Fluorescent 4: Spiral 13W: Electronic:	1	2	13	26
Rear Door Wall Light (Other door (not main entry) 3 ft of door width): Tradable Wattage				
Halogen 1: 12V Halogen 35W: Exemption:Transportation marker, signal, and directional lighting	2	1	70	Exempt
Wall Lights on Entry Columns (Special feature area 10 ft2): Tradable Wattage				
Halogen 1: 12V Halogen 35W: Exemption:Transportation marker, signal, and directional lighting	2	2	70	Exempt

Project Title:

Report date: Page 1 of 2

^{**} A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

	Total Tradable Proposed Watts =			995
Halogen 2: 12V Halogen 75W:	2	2	300	600
Parking & Waste Disposal Areas (Parking area 4352 ft2): Tradable Wattage				
Halogen 2: 12V Halogen 75W:	2	1	150	150
HVAC area @ SW Corner of Bldg. (Special feature area 300 ft2): Tradable Wattage)			
Compact Fluorescent 1: Reflector 15W: Electronic:	1	1	15	15
Can light over Entry Porch (Entry canopy 49 ft2): Tradable Wattage				
Compact Fluorescent 2: Reflector 23W: Electronic:	1	3	23	69
Trees at East side of driveway (Special feature area 800 ft2): Tradable Wattage				
Compact Fluorescent 3: Reflector 15W: Electronic:	1	2	15	30
Planters at North side of Bldg. (Special feature area 55 ft2): Tradable Wattage				
Compact Fluorescent 1: Reflector 15W: Electronic:	1	7	15	105
East walkway next to building (Walkway < 10 feet wide 60 ft of walkway length): Tra	adable Wattage			
Compact Fluorescent 1: Reflector 15W: Electronic:	1	7	15	105
North facade wall & Entry overhang (Illuminated length of facade wall or surface 38	ft): Non-tradable	Wattage	е	
THE PROPERTY OF THE PROPERTY O				

Section 4: Requirements Checklist

identify requ	ving requirements, blank checkboxes identify requirements that the applicant has not acknowledged as being met. Checkmarks uirements that the applicant acknowledges are met or excepted from compliance. 'Plans reference page/section' identifies where in pecs the requirement can be verified as being satisfied.
1. Light will r	ting designated to operate more than 2000 hours per year for Uncovered Parking Areas shall be equipped with motion sensors that reduce the luminaire power by thirty-three percent or turn off one-third the luminaires when no activity is detected. s reference page/section:
Exterio	or Lighting Restrictions and Exceptions: cury vapor and incandescent lighting is not permitted for use as exterior lighting. otion(s): Incandescent lighting controlled by motion sensors and having total power less than 150 watts.
Sect	Incandescent lighting used in or around swimming pools, water features, or other locations subject to the requirements of Article 680 of the National Electric Code. Input lighting fixtures are equipped with a control device independent of the control of the nonexempt lighting and are identified in tion 3 table above. In put lighting fixtures are equipped with a control device independent of the control of the nonexempt lighting and are identified in tion 3 table above. In put lighting fixtures are equipped with a control device independent of the control of the nonexempt lighting and are identified in the nonexempt lighting a

Section 5: Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2010 Oregon Energy Efficiency Specialty Code requirements in COMcheck Version 3.9.2 and to comply with the mandatory requirements in the Requirements Checklist.

TERKILL	ALLEH, DESIGNER	www Allen	10-5-2013
Name - Title		Signature	Date

Project Title:
Data filename: D:\Program Files\AND\Projects\2013\1301\Documents\Holladay Shop LLC.cck