



COMcheck Software Version 3.9.2

# Interior Lighting and Power Compliance Certificate

## 90.1 (2007) Standard

### Section 1: Project Information

Project Type: **New Construction**

Project Title : Bean 2 Roof Addition

Construction Site:  
Maine Medical Center  
22 Bramhall Street  
Portland, ME 04102

Owner/Agent:

Designer/Contractor:

Perkins+Will/LAM Partners  
225 Franklin Street, Suite 1100  
Boston, MA 02110  
617-478-0300  
www.perkinswill.com

### Section 2: Interior Lighting and Power Calculation

A	B Floor Area	C Allowed Watts / ft2	D Allowed Watts
Level 2 (Hospital)	26720	1.2	32064
Penthouse (Mechanical Rooms) (Workshop)	11866	1.4	16612
Mezz. (Mechanical Rooms) (Workshop)	2775	1.4	3885
Total Allowed Watts =			52561

### Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Level 2 ( Hospital 26720 sq.ft.)				
Linear Fluorescent: L1: Linear surface mtd strip: 48" T8 32W: Electronic:	1	4	30	120
Linear Fluorescent: L2: Linear recessed with lens: 48" T8 32W: Electronic:	1	4	30	120
Linear Fluorescent: L3: Linear recessed with lens: 48" T8 32W: Electronic:	1	193	30	5790
Linear Fluorescent: L4: Linear surface mtd strip: 48" T8 32W: Electronic:	1	13	30	390
Linear Fluorescent: L5: Linear recessed with lens-wet: 46" T5 54W: Electronic:	1	10	59	590
Linear Fluorescent: L6: Linear recessed with lens-wet: 48" T8 32W: Electronic:	1	5	30	150
LED (6W/LF): L7: Linear recessed LED downlight: Other:	1	89	6	534
Linear Fluorescent: L8: Linear surface mtd cove: 48" T8 32W: Electronic:	1	16	30	480
Linear Fluorescent: L9: Linear mullion mtd uplight: 48" T8 32W: Electronic:	1	12	30	360
LED (2.7W/LF): L11: Linear surface mtd strip: Other:	1	88	2.7	237.6
Linear Fluorescent: L12: Linear wall mtd direct/indirect: 48" T8 32W: Electronic:	1	13	30	390
Linear Fluorescent: L13: Surface mtd undercabinet ltg: 48" T8 32W: Electronic:	1	17	30	510
LED (7W/LF): L14: Surface mtd linear LED: Other:	1	32	7	224
LED (1.5W/LF): P2: Pendant mtd LED: Other:	1	19	1.5	28.5
LED: R1: Recessed open LED downlight: Other:	1	4	24	96
LED: R2: Recessed LED wallwasher: Other:	1	1	24	24
LED: R3: Recessed open LED sq. downlight: Other:	1	17	24	408
LED: R3D: Recessed open LED sq. downlight: Other:	1	3	24	72
LED: R4: Recessed LED sq. wallwasher: Other:	1	22	24	528
LED: R4D: Recessed LED sq. wallwasher: Other:	1	7	24	168
Incandescent: R5: Recessed downlight: Incandescent 250W:	1	5	250	1250
Compact Fluorescent: R7: Recessed CFL downlight: Triple 4-pin 26W: Electronic:	1	1	29	29
Linear Fluorescent: R8: Recessed 1'x2' downlight: 24" T8 17W: Electronic:	2	9	33	297

Linear Fluorescent: R9: Semi-recessed linear downlight: 48" T8 32W: Electronic:	1	17	30	510
Linear Fluorescent: R10: Recessed linear with optics: 46" T5 HO 54W: Electronic:	2	40	117	4680
Linear Fluorescent: R11: Recessed Linear 2'x4' downlight: 48" T8 32W: Electronic:	6	54	174	9396
Linear Fluorescent: R12: Recessed Linear 2'x2' downlight: 24" T8 17W: Electronic:	3	50	46	2300
Linear Fluorescent: R13: Recessed Linear 2'x2' downlight: 24" T8 17W: Electronic:	2	34	33	1122
Linear Fluorescent: R14: Recessed Linear: 46" T5 54W: Electronic:	1	2	59	118
Linear Fluorescent: R14A: Recessed Linear 4' wallwasher: 46" T5 54W: Electronic:	1	5	59	295
Linear Fluorescent: R14B: Recessed Linear 2' wallwasher: 22" T5 HO 24W: Electronic:	1	5	29	145
LED: R15: Recessed LED sq. downlight: Other:	1	21	19	399
LED: R16: Recessed LED downlight-wet: Other:	1	5	19	95
Linear Fluorescent: S1: Pendant mtd linear: 48" T8 32W: Electronic:	1	8	30	240
Linear Fluorescent: W2: Surface mtd linear with optics: 48" T8 32W: Electronic:	1	24	30	720
LED: W3A: Surface mtd LED: LED Panel 40W:	1	1	40	40
<b>Penthouse (Mechanical Rooms) ( Workshop 11866 sq.ft.)</b>				
LED: W3: Surface mtd wall pack: LED Panel 40W:	1	5	40	200
LED: W3B: Surface mtd LED: Other:	1	2	20	40
LED: W4: Surface mtd LED: Other:	1	1	20	20
Linear Fluorescent 21: K (L25): 4' linear strip: 46" T5 HO 54W: Electronic:	2	107	117	12519
<b>Mezz. (Mechanical Rooms) ( Workshop 2775 sq.ft.)</b>				
LED: W3: Surface mtd wall pack: LED Panel 40W:	1	4	40	160
LED: W3B: Surface mtd LED: Other:	1	1	20	20
LED: W4: Surface mtd LED: Other:	1	1	20	20
Linear Fluorescent 22: K (L25): 4' linear strip: 46" T5 HO 54W: Electronic:	2	49	117	5733
Total Proposed Watts =				51568

**Interior Lighting PASSES:** Design 2% better than code.

## Section 4: Compliance Statement

*Compliance Statement:* The proposed 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 90.1 (2007) Standard requirements in COMcheck Version 3.9.2 and to comply with the mandatory requirements in the Requirements Checklist.

\_\_\_\_\_  
Name - Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

## Section 5: Post Construction Compliance Statement

### Record Drawings and Operating and Maintenance Manuals:

1. Construction documents with record drawings and operating and maintenance manuals provided to the owner.

\_\_\_\_\_  
Lighting Designer or Contractor Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date