102.203- LIGHTING GUIDELINE

PART 1 - INTRODUCTION

   1.01   GENERAL

      A. This guideline establishes certain requirements regarding light fixtures, identifies the standard for BJC HealthCare, and indicates general requirements for implementing the standard.

      B. The term "standard" referenced in this guideline shall mean the "*BJC Light Fixture Standard*".

      C. The most current version of the standard applies, unless otherwise directed. The standard may be updated frequently. As a result, the standard is only available electronically and is not included in the printed version of this Manual of Practice. To obtain a copy of the current standard, download the electronic file or contact BJC Project Manager, Infrastructure Manager, or Corporate Engineer.

PART 2 - GUIDELINE

   2.01   GENERAL

      A. For every project, architect and/or electrical engineer shall confirm with the BJC Infrastructure Manager or Corporate Engineer the appropriate version of the standard that is to be followed.

      B. Any variance from the standard requires approval from the BJC Corporate Engineer.

   2.02   APPLICATION

      A. The BJC Light Fixture Standard applies to the selection of new light fixtures for every facility and for all project types (hospital, ambulatory care, medical office, office, and structured/surface parking) unless otherwise directed by BJC Corporate Engineer.

      B. BJC Light Fixture Standard shall apply for all project delivery methods.

          1.   For traditional project delivery methods (electrical engineer of record is contracted to BJC and not contracted through the contractor), the electrical engineer shall coordinate lighting design and standard fixture selection in accordance with the BJC Light Fixture Standard and in accordance with project specific requirements.

          2.   For design-build project delivery methods (electrical engineer of record is contracted through the contractor), the architect shall initially coordinate

lighting design and standard fixture selection in accordance with the BJC Light Fixture Standard and in accordance with project specific requirements. The electrical engineer of record shall review the architect's lighting design and fixture selection in accordance with the BJC Light Fixture Standard. The electrical engineer is responsible for the final lighting design and shall notify BJC Project Manager and Infrastructure Project Manager when changes to the architect's layout or fixtures are recommended or required.

C. Light fixture procurement and installation is part of an overall BJC initiated infrastructure program for major equipment and products. The procurement and installation of light fixtures shall be determined by the BJC Infrastructure Manager, Project Manager, or Corporate Engineer for every project. The requirements for Owner Furnished Contractor Installed (OFCI) and Contractor Furnished Contractor Installed (CFCI) light fixtures are as follows.

1. Owner Furnished and Contractor Installed (OFCI) major equipment/products for BJC will be applied when possible to maintain and promote the economic buyer relationship with the vendor post warranty period. BJC will solicit and select the applicable vendor/preliminary product, issue PO and directly pay invoices for the applicable OCFI equipment/product. The engineer of record (EOR) and contractor will be responsible for all activities associated with such equipment/product typical to as if they procured (with the exception of stated Owner duties). This EOR and/or contractor responsibilities includes, but is not limited to: Design, engineering calculations, submittal approval, logistical coordination, storage, warranty coordination, startup labor/coordination and any other specifically assigned project responsibility directly with equipment/product suppliers identified. This direct responsibility assignment with the vendor specifically removes the Owner from the overall project related communication between EOR/contractor and vendors.

2. Contractor Furnished and Contractor Installed (CFCI) light fixtures are limited to projects with small light fixture quantities. When permitted, standard engineering requirements for design, specification and verification shall apply.

D. For renovation projects, electrical engineer and/or architect shall coordinate with BJC Project Manager, Infrastructure Manager, and/or Corporate Engineer to determine the overall approach to reusing, matching or replacing existing light fixture.

PART 3 - DOCUMENTATION

3.01   GENERAL

A. Electrical Engineer shall provide a lighting schedule in the documents for all projects when new lighting is required. Schedule shall include a count of fixtures by fixture type.

B. Fixture type abbreviations indicated in the Light Fixture Standard shall be used in the design and construction document sets.

C. Provide cut sheets for proposed light fixtures not included in the standard.

PART 4 - SUPPORTING INFORMATION

4.01   GENERAL

A. Refer to Room Data Sheets for additional specific lighting requirements by room.

END OF DOCUMENT

RESPONSIBILITY MATRIX

The following matrix identifies those individuals, roles or departments responsible for maintaining the accuracy of the information and those responsible for providing input. Refer to Preface for detailed explanation.

| | BJC HealthCare | | | | | | | | | | | | | Hospital/Entity | | | | |
| | PD&C | | | | | | | | | | | | | | | | | |
	Corporate Architect	Corporate Engineer	Director of Planning	Director of Design	Director of Construction	Other:	Clinical Asset Management (CAM)	Risk Management	Real Estate	Ergonomics	Infection Prevention (IP)	Info Systems, Data, Telecom (IS)	Other:	Standards Review Committee	Facilities Engineering	Housekeeping	Security	Other:
Primary Authorship	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Secondary Authorship	☒	☐	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

DOCUMENT REVISION HISTORY

The following able indicates the date the document originated and any subsequent revisions.

Section 102.203 – Lighting Guideline		
Issue	Description of Issue	Prepared by
2014 v1	Original Issue	G. Zipfel
2016 v1	reissued	G. Zipfel
2018 v1	Revised and reorganized	G. Zipfel