



Revised Lighting Power Density (LPD) Standards

珍惜資源
全民節能

Revised LPD Standards

- Have made reference to:-
 - The LPD data of lighting installations reported in the submissions under BEEO
 - Similar overseas standards
- In general, the tightening contributes to an improvement by 10 to 15% in lighting energy efficiency of buildings

Revised LPD Standards (Cont'd)

Table 5.4 : Lighting Power Density for Various Types of Space		
Type of Space	Maximum Allowable LPD (W/m ²)	
	Initial version	Rev. 1
Atrium / Foyer with headroom over 5m	20	17
Bar / Lounge	15	14
Banquet Room / Function Room / Ball Room	23	20
Canteen	13	11
Car Park	6	5
Classroom / Lecture Theatre / Training Room	15	13
Clinic	15	15
Conference / Seminar Room	16	14
Corridor	10	8
Dormitory / Quarters / Barrack	10	8

Extracted from *Building Energy Code (BEC) 2012 Edition (Rev. 1)*

Revised LPD Standards (Cont'd)

Table 5.4 : Lighting Power Density for Various Types of Space		
Type of Space	Maximum Allowable LPD (W/m ²)	
	Initial version	Rev. 1
Entrance Lobby	15	14
Exhibition Hall / Gallery	20	17
Guest room in Hotel or Guesthouse	15	13
Gymnasium / Exercise Room	15	13
Kitchen	15	13
Laboratory	15	15
Library – Reading Area, Stack Area or Audio Visual Centre	15	15
Lift Car	13	11
Lift Lobby	12	11
Loading & Unloading Area	11	10

Extracted from *Building Energy Code (BEC) 2012 Edition (Rev. 1)*

Revised LPD Standards (Cont'd)

Table 5.4 : Lighting Power Density for Various Types of Space		
Type of Space	Maximum Allowable LPD (W/m ²)	
	Initial version	Rev. 1
Office	15	13
Patient Ward / Day Care	15	15
Plant Room / Machine Room / Switch Room	12	11
Public Circulation Area	15	13
Railway Station		
• Concourse / Platform / Entrance / Adit / Staircase, with headroom not exceeding 5 m	15	14
• Concourse / Platform / Entrance / Adit / Staircase, with headroom over 5 m	20	18
Restaurant	20	17

Extracted from *Building Energy Code (BEC) 2012 Edition (Rev. 1)*

Revised LPD Standards (Cont'd)

Table 5.4 : Lighting Power Density for Various Types of Space		
Type of Space	Maximum Allowable LPD (W/m ²)	
	Initial version	Rev. 1
Retail	20	17
Seating Area inside Theatre / Cinema / Auditorium / Concert Hall / Arena	12	10
Sports Arena, Indoor, for recreational purpose	17	17
Staircase	8	7
Storeroom / Cleaner	11	9
Toilet / Washroom / Shower Room	13	11
Workshop	14	14

Extracted from *Building Energy Code (BEC) 2012 Edition (Rev. 1)*

Effective Date of Revised LPD Standards



Submission	Date
Stage One Declaration	28 August 2014
Form of Compliance	28 November 2014

Effective Date of Revised LPD Standards (Cont'd)



Stage One Declaration



Signature
簽署

Date (See note 5)
日期 (見須知事項
5)

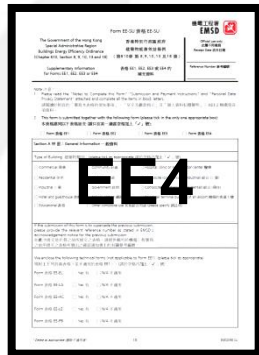
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日 / 月 / 年

Revised LPD standards apply to a Stage One Declaration signed by a developer on or after 28 August 2014.

Effective Date of Revised LPD Standards (Cont'd)



Form of Compliance



Signature of Registered Energy Assessor (see note 5)
註冊能源效益評核人簽署
(見須知事項 5)

Date (See note 6)
日期 (見須知事項 6)

DD / MM / YYYY
日 / 月 / 年

Revised LPD standards apply to a Form of Compliance signed by an REA on or after 28 November 2014.