

# **Concept of a retrofit cap with ICT interface**

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# Introduction

- The concept of “ICT interface compatible with retrofit cap” was presented at IEC TC34 maintenance meetings in Beijing, September 2012
- Retrofit LED lamps (old cap fit) already have been spread
- ICT (*Information and Communication Technology*), for example : WiFi, Zigbee, Ethernet, and Smartphone.. etc. related with Internet, will provide an endless possibility to LED lighting
- New or Converted luminaries of ‘LED lamp + Controlgear’ are well progressing standardization in COMEX
- Still requiring the retrofit LED lamps with old fit cap and holder
- How about the concept of ‘[the old fit cap with ICT interface](#)’, which is compatible with the retrofit LED lamp cap?

ICT : Information and Communications Technology

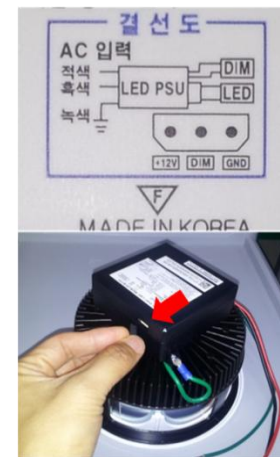
## Examples of ICT Demands from LED lamps but the retrofit cap used



White HCG-44768  
Convenient E27 Screw Port  
RF Wireless Remote Control Lamp Holder Lamp Base  
[Reference : <http://m.tinydeal.com/product/RF-Wireless-Remote-Control-Lamp-Holder---White-36295> ]



Retrofit cap(MR16)  
+ Company Proprietary I/F



Recessed LED downlight  
+ Dimming Control I/F



## Future works

- The concept should define generic requirements for safety, but it is need to have a working group under TC34 to consider ICT
- Need to ask comments from many Asian countries' experts and participants in *lites.asia*
- Hopefully, Asian countries working together on lighting standards with ICT interface