

스마트LED 조명산업 발전 방안 마련 세미나

- 기반구축분과 -

기반구축분과장 : KTC 강정모 센터장

간사 : KTR 박정기 수석연구원

2024.09.06

표준화/인증 기반 구축을 통한 스마트 조명 보급 및 활성화

아젠다 1

아젠다 2

'24년 목표

(표준) 스마트 조명 구성 요소/시스템
관련 IEC 국제 표준화 동향

(실증) 에너지 절감 및 주요 기능에 대한
주요 국가 실증 결과 BM

(인증) 민간 보급/활성화를 위한 인증
프로그램 및 관련 제도 방향

(정책) 정부 주도 정책/규제 동향



(표준) IEC 국제표준화 주도적 참여 및
국가 표준 제정 (KS 등)

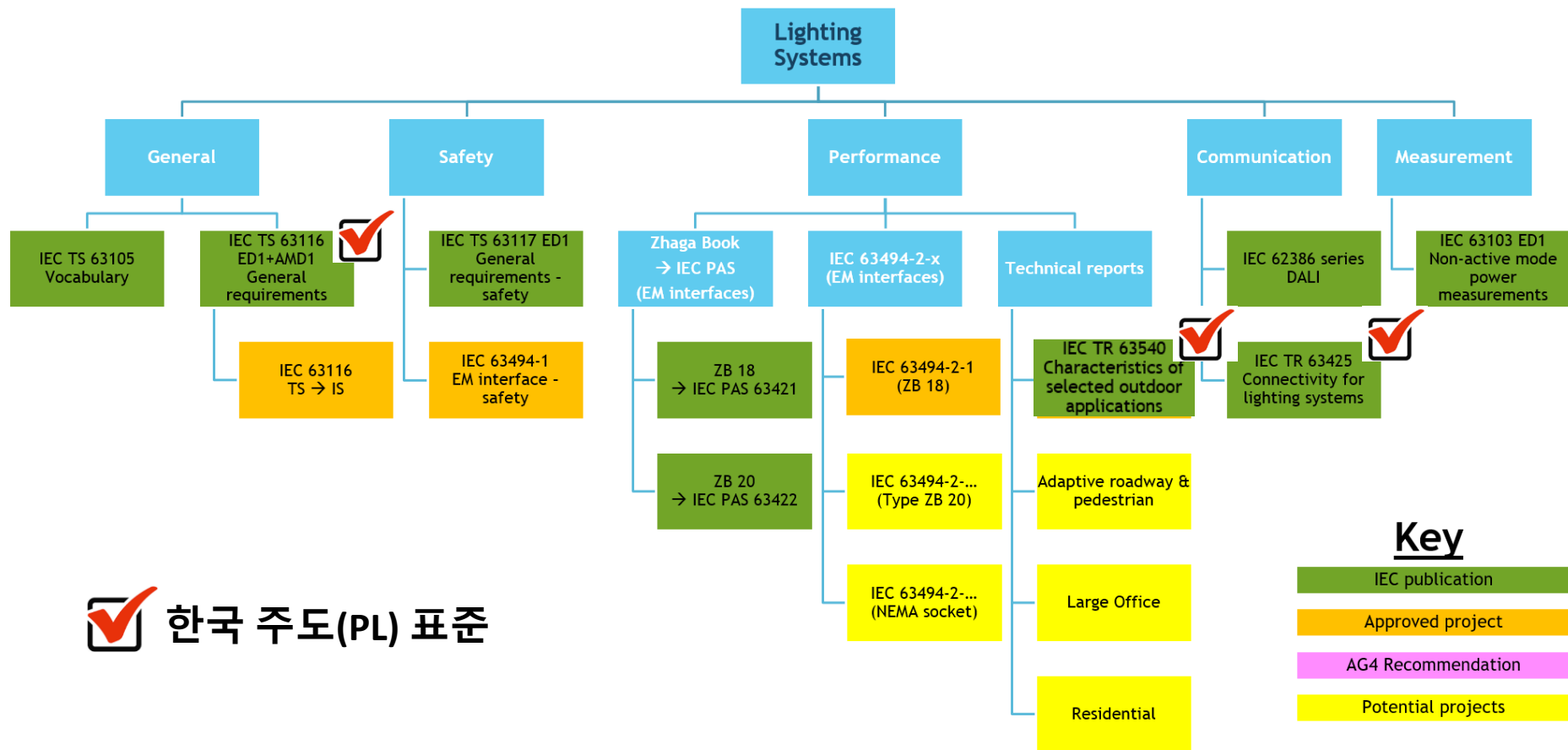
(인증) 스마트조명 산업 보급 활성화를
위한 고효율 시험/인증 개선案



스마트조명 표준 인증 기반 구축

- 스마트조명 관련 국외 인증제도 분석 및 고효율인증제도 연계성 검토
- 통신 및 제어관련 검증 기반구축을 위한 관련제도 검토
- 스마트조명 관련 국내 KS 표준案에 대한 고효율인증제도 연계성 검토

■ IEC 국제표준 활동 TC 34 Lighting



TC 34

Lighting

Scope

Structure

Projects / Publications

Documents

Votes

Meetings

Collaboration Platform

Work programme

>

Project: IEC TR 63540 ED1

Mr JEUNG MO KANG (kr-jeungmo_kang)

Log out

en

fr

Detail

Project

Committee	Working Groups	Project Leader	Current Status	Frcst Pub Date	Stability Date
TC 34		Mr JEUNG MO KANG	PRVDTR	2024-08	2027

IEC TR 63540 ED1
Lighting systems - Characteristics for selected outdoor applications

TC 34

Lighting

Scope

Structure

Projects / Publications

Documents

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Collaboration Platform

Working Documents

>

Voting Result: 34/1184/DTR

Mr JEUNG MO KANG (kr-jeungmo_kang)

Log out

en

fr

P-Members vote

Voting Result

APPROVED

P-Members Voting	P-Members In favour	In favour %	Criteria	Result
24	22	91.7	>50%	APPROVED

Document 34/1184/DTR

Project : IEC TR 63540 ED1

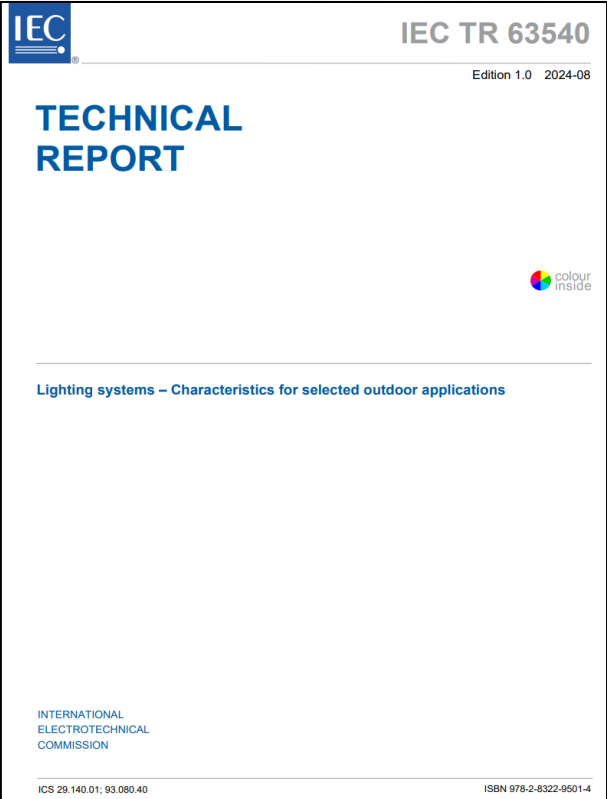
IEC TR 63540 ED1: Lighting systems - Characteristics for selected outdoor applications

Reference	Circulation date	Closing date	Downloads
34/1184/DTR	2024-03-22	2024-05-17	

34_WG14(KJM)029 Consolidated observations for IEC TR 62540 ED1(DTR 1184)
문건 발표 및 협의 (전문가 의견에 대한 답변 협의 결과)



■ IEC TR 63540:2024 Lighting systems - Characteristics for selected outdoor applications 발간 완료



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IEC TR 63425 제정 (ED 1)완료



The cover of the IEC TR 63425 Technical Report features the IEC logo at the top left and the title 'IEC TR 63425' at the top right. Below the title, it specifies 'Edition 1.0 2022-10'. The main title 'TECHNICAL REPORT' is prominently displayed in the center. At the bottom right, there is a 'colour inside' logo. The subtitle 'Connectivity for lighting systems' is located at the bottom left.

 제정본 출판 완료 (22.10)

IEC TS 63116 개정 (ED 1.1)완료



The cover of the IEC TS 63116 Technical Specification features the IEC logo at the top left and the title 'IEC TS 63116' at the top right. Below the title, it specifies 'Edition 1.1 2023-07' and 'CONSOLIDATED VERSION'. The main title 'TECHNICAL SPECIFICATION' is prominently displayed in the center. At the bottom right, there is a 'colour inside' logo. The subtitle 'Lighting systems – General requirements' is located at the bottom left.

 개정본 출판 완료 (23.07)

1. Date and location

The IEC TC34 Meeting will commence to Monday, Oct 28, 2024 and conclude on Friday, Nov 8, 2024.

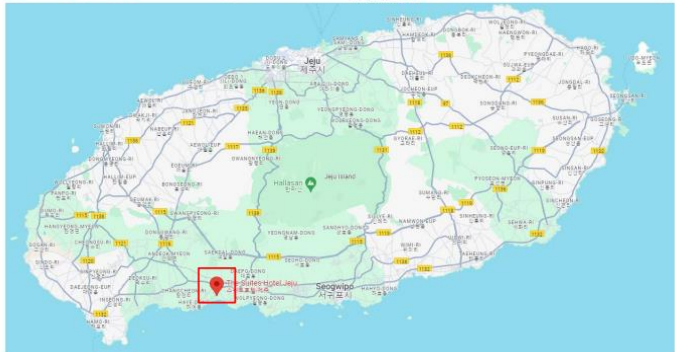
Venue: THE SUITES HOTEL JEJU

Address: 67, Jungmungwangwang-ro 72beon-gil, Seogwipo-si, Jeju-do, Republic of Korea

Tel: +82-64-738-3800

Website: [Suites Hotel Jeju](https://www.suites.co.kr/Jeju/Eng) (<https://www.suites.co.kr/Jeju/Eng>)

Meeting Room: Suites Hall (2F), Suites Forum (B1F)



MEETING REGISTRATION

> My meeting registration

 **TC 34 and its Subcommittees Working Group - Plenary meeting (2024-10-28)** 

Face-to-face only

Summary Visa Timetable Meetings Events Hotels Practical Info Lists

Cancel registration Update Registration


Location
Jeju (KR)

Weekday	Monday	Tuesday	Wednesday	Thursday	Friday
Date	2024-10-28	2024-10-29	2024-10-30	2024-10-31	2024-11-01
Morning	34/WG 19 (20)	34/WG 24 (20) 34A/WG 3 (20)	34/WG 14 (30*)	34B/WG 1 (30)	34A/WG 4 (30)
Afternoon	34/WG 19	34/WG 24 34A/WG 3	34/WG 14	34/WG 23 (20)	34A/WG 4
Date	2024-11-04	2024-11-05	2024-11-06	2024-11-07	2024-11-08
Morning	34C/WG 1 (40)	34D/WG 1 (40)	SC 34A (30), SC 34B (20)	TC 34 (50)	34/AG 1 (40)
Afternoon	34/WG 7 (20)	34D/WG 1	SC 34C (30), SC 34D (40)	TC 34	34/AG 1



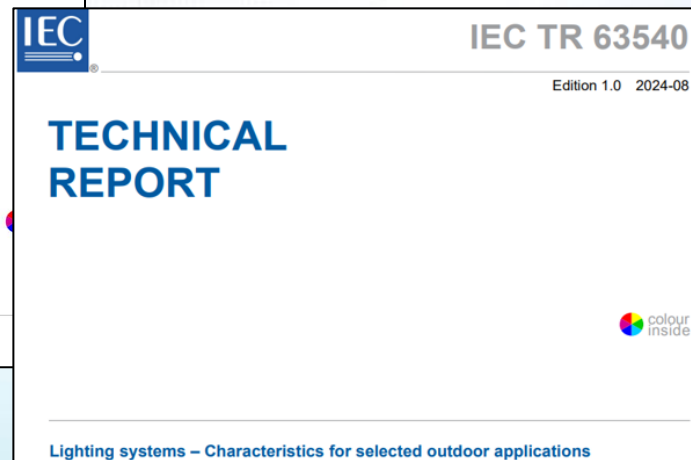
현재 45명 등록@8.30, 최대 60명 참석 예정

■ 국가표준(KS) 활동

 IEC의 스마트조명 표준을 KS로 부합화 하여 산업계 가이드 및 개발 방향 제시



 '25년 부합화 추진



용어정의

스마트조명
connectivity

스마트조명
아웃도어 조명 유스케이스