



**TOTALLY INTEGRATED POWER**

# Checklist for pre-planning - safety lighting

|  |     |    |
|--|-----|----|
| Is a fire protection concept requiring safety lighting available?  | Yes | No |
| How many fire areas does the project have?   |     |    |
| Is the estate a building structure for gatherings of people in compliance with DIN EN 50172 (place of public assembly, guest accommodation facility high-rise building, shop, workplace etc.)? | Yes | No |

**Have requirements imposed by state building code, safety at work legislation, workplace regulations, building regulations, etc. been considered?**

|  |     |    |    |
|--|-----|----|----|
| Rated operating time:  |     |    | h  |
| Switchover times:  |     |    | s  |
| Illuminance:   |     |    | lx |
| Safety lighting already required during ongoing construction work? | Yes | No |    |
| Other:   |     |    |    |

## Special environmental requirements (higher degree of protection, explosion-prone area, aggressive gases, etc.)

|   |     |    |
|---|-----|----|
| Has a danger assessment been made (e.g. for workplaces by the relevant Employer's Liability Insurance Association)?                                     | Yes | No |
| Have escape routes been specified (are there any escape route plans)?   | Yes | No |
| Have the locations of firefighting equipment, alarm stations and first aid points been determined?  | Yes | No |
| Shall the safety lighting be integrated into the normal lighting system (higher power requirements, provisions for switched permanent light necessary)? | Yes | No |

## Operating mode selection

Permanent operation

Standby operation

Combination of permanent and standby operation

|   |     |    |
|---|-----|----|
| Has voltage monitoring of the sub-distribution board for normal supply been included in the planning for standby operation?                                 | Yes | No |
| In case of standby operation, shall normal power supply be monitored at the main distribution board for safety lighting (exception: single-battery system)? | Yes | No |
| Is remote signaling to a permanently occupied desk intended (exception: single-battery system)?   | Yes | No |

## Type of power supply system

CPS

LPS

EB

AE

BS

## For CPS and LPS please note

|  |     |    |
|--|-----|----|
| Can the battery room be aired/vented to the outside?   | Yes | No |
| Is a charging booster required (manufacturer's specification)?   | Yes | No |
| Are luminaries and electronic control gear suitable for battery systems (voltage: 183.6 V – 259.2 V DC and firing behavior)? | Yes | No |

## For CPS please note

Does a self-contained battery room exist?

Yes

No

### Installation of main distribution board

Shall the main distribution board for safety power supply (and battery, if applicable) be installed in a separate room – are walls and ceilings fire resistant (F90); is the door fire-retardant (T30)?

Yes

No

### Installation sub-distribution board:

Shall the sub-distribution board for safety power supply be installed in a separate F30 room or type-tested E30 enclosure?

Yes

No

Do the wiring systems meet the fire protection requirements?

Yes

No

Which light spot heights are available (selection criterion for luminaire type)?

m

Alternating luminaire assignment to at least two independent protection devices?

Yes

No



**By filling in the list, you have gained an overview of the project. Do you require more detailed information, e.g. about concept development or budget estimation?**

Contact your responsible TIP partner using the data of your checklist:  
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