

# **EMERGENCY LIGHTING TG-CONS**

(SUMMARY OF THE CONCEPT)

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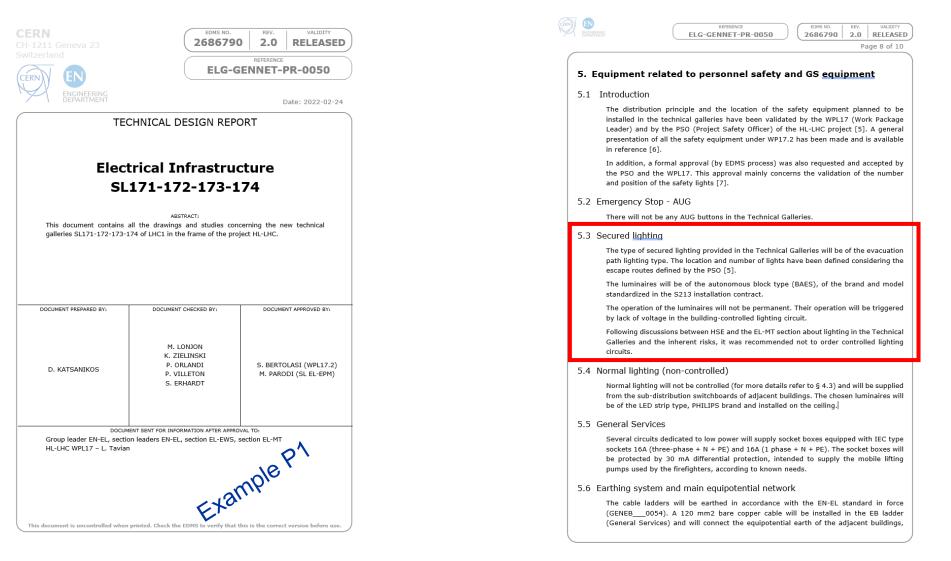
12/04/2024

# INTRODUCTION

CERN Esplanade des Particules 1 P.O. Box 1211 Geneva 23 - Switzerland	EDMS NO. REV. VALIDITY <b>2811267 1.0</b> Released REFERENCE TGC-S-EN-0003			REFERENCE TGC-S-EN-0003	EDMS NO.	REV.	VALIDITY	
CERN CONSOLIORTION	Date: 2023-04-03			Page 15 of 1				
TECHNICAL NOTE				2.6 Is emergency lighting required? During the meetings held with the HSE experts to clarify certain points, the issue of emergency lighting was raised. Currently, it is not present in all galleries but only on a case-by-case basis. The HSE unit gave some recommendations on this subject.				
TG-CONS PROJECT RESPONSE				In summary, emergency lighting is required in order to properly guide workers.				
TO SRF 2794867 IN THE WEST AREA				Distances between such lightings, power supply mode and their autonomy should still be defined. In any case, there should be no ambiguity in direction changes and the lighting must ensure a minimal brightness of 1 to 2 lux.				
ABSTRACT: Answer to the SRF EDMS 2794867 issued by HSE after the request of the TG-CONS Project.				Taking into consideration the above-mentioned points, TG-CONS Project will install an emergency lighting system based on the technical specifications followed for the HL-LHC technical galleries.				
				REFERENCES				
A. Filinis [EN/CV] O. Prouteau O. Rios [ J. Audrain	CHECKED BY: 1 [HSE-OHS] HSE-OHS] [HSE-FRS] ps [HSE-FRS]	S. Evr	NT APPROVED BY: rard [EN/CV] oject Leader		swer to TG-CONS questions on fire saf ine]. Available: https://edms.cern.ch/			



## **TECHNICAL DESIGN REPORT HL-LHC**



[5] T. Otto, «Evacuation Paths - SF 17 and SF 57Cooling Towers,» EDMS 2509104, 2021.

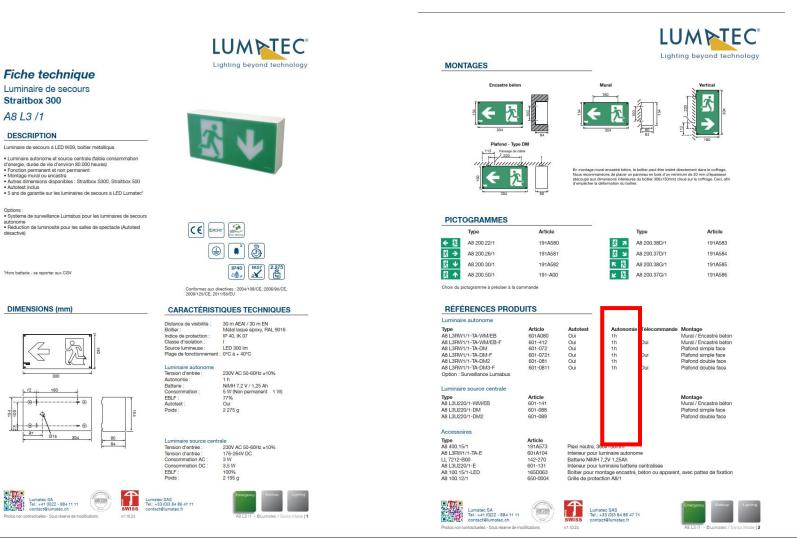


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## **TECHNICAL DETAILS ON THE INSTALATIONS 1/3**

This solution is already installed for HL-LHC in P1 and P5. The same will be applied for NA-CONS.

## Luminaire type:





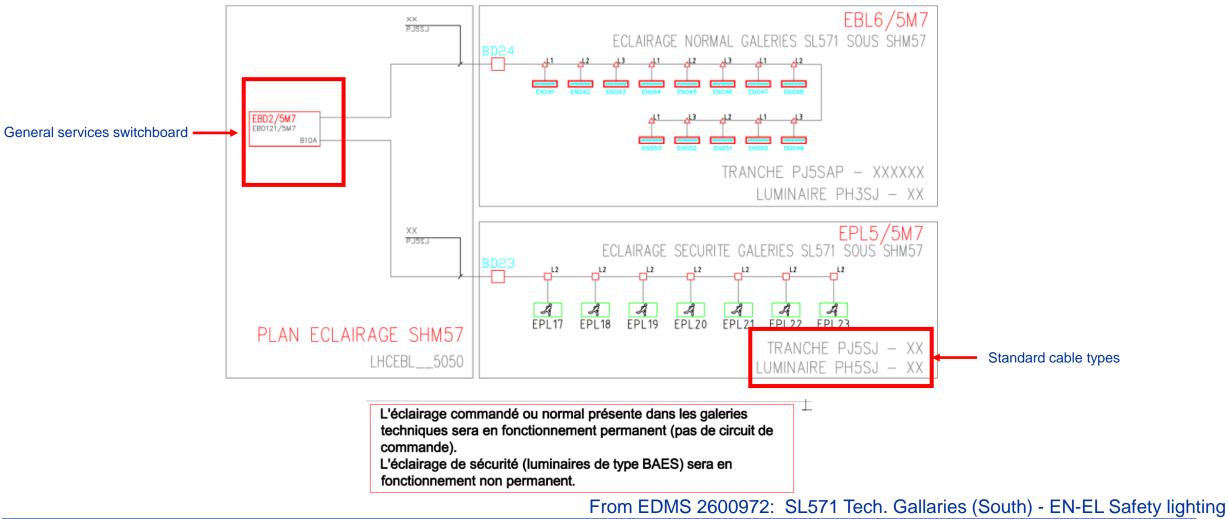
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# **TECHNICAL DETAILS ON THE INSTALATIONS 2/3**

This solution is already installed for HL-LHC in P1 and P5. The same will be applied for NA-CONS.

Power supply and cabling:





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## **TECHNICAL DETAILS ON THE INSTALATIONS 3/3**

This solution is already installed for HL-LHC in P1 and P5. The same will be applied for NA-CONS.

Pictures of HL-LHC installation







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