

FluorLux

LUMINESCENCE - TECHNICAL DATA SHEET

SAFETY SIGNS AND SAFETYWAY GUIDANCE SYSTEMS OFFSHORE AND ONSHORE FACILITIES

Fluor-Lux is a supplier of safety signs and safety way guidance systems (SWGS) and connected solutions - for offshore and onshore facilities. We are certified according to current regulations to ensure delivery of safe and secure products.

REQUIREMENTS, TESTS AND RESULTS:

SAFETY SIGNS AND LOW LOCATION LIGHTNING (LLL) - ONSHORE		TEST MATERIAL	COMMENTS	CLASSIFICATION	2 min	10 min	30 min	60 min	Decay time to 0,3 mcd/m ²
REQUIREMENT	ISO17398:2004 INTERNATIONAL REQUIREMENTS FOR DETERMINATION AND CLASSIFICATION OF PRODUCT PERFORMANCE AND LIFETIME			A	108	23	7	3	-
				B	210	50	15	7	-
				C	690	140	45	20	-
				D	1100	260	85	35	-
REQUIREMENT	NS3926:2017 NORWEGIAN REQUIREMENTS FOR BUILDINGS AND CONSTRUCTIONS (ONSHORE)		Requirements after installation	Fireclass 1	-	-	10	-	-
				Fireclass 2 and 3	-	-	-	10	-
				Lab test requirements	-	-	140	-	20
TEST RESULTS	Phosphorecent plate tested according to ISO17398:2004. Test requirements are same as DIN67510:2009.	60202 RGB- M-F yellow-green plate with foile and laminate	Before aging	D, 1, 2, 3	1446	291	85,4	37,8	-
				After aging *	D, 1, 2, 3	1497	302	88,6	39

* Improved glow after aging due to wear on laminate

IMO - SPECIAL REQUIREMENTS

LOW LOCATION LIGHTNING (LLL) TESTED ACC. TO IMO REQUIREMENTS		TEST MATERIAL	COMMENTS	CLASSIFICATION	2 min	10 min	30 min	60 min	Decay time to 0,3 mcd/m ²
REQUIREMENT	ISO15370:2010 SHIPS AND MARINE TECHNOLOGY LLL ON PASSENGER SHIPS		Requirement also for all safety signs as part of a safety way guidance system on ships		-	15	-	2	60 min
TEST RESULTS	Phosphorecent plate tested according to ISO15370:2010	60203 RGB- M-F yellow-green plate without foil and laminate			-	65,5	-	16,8	
	Phosphorecent plate tested according to DIN67510:2009	60203 RGB- M-F yellow-green plate without foil and laminate		C	1252	257	76,3	34	2490 min

