



# TEST REPORT

## 1. Applicant

- Client Name : Qlight Co., Ltd.
- Address : 185-25, Mukbang-ro, Sangdong-myeon, Gimhae-si, Gyeongsangnam-do, Korea
- Date of Receipt : 2019. 11. 14

## 2. Purpose of Report : Quality Assurance

## 3. Test Standard/Item : Standard at the client's request [ICAO Annex 14 Volume I Eighth Edition, July 2018] / Effective intensity, Chromaticity, Flash rate

## 4. Test Period : 2021. 03. 22 ~ 2021. 06. 16

## 5. Test Environment

- Ambient Temp. : (25 ± 3) °C
- Relative Humidity : 65 % R.H. Below

## 6. Test Result : Refer to Test Result

Sample Description
Product Type : LED obstacle light (Low-intensity, Type C)
Model : QAOL1
Rating : DC 24 V

- Note :
1. The test results in this report only apply to the test sample(s) and the test report is forbidden to use for anything other than intended use.
  2. This report cannot be reproduced in part without the prior written permission from Korea Institute of Lighting Technology.
  3. The report without "KILT" perforations is not recognized as the original report.
  4. The authenticity of this test report can be proved by the contact below.
  5. This report is irrelevant to KS Q ISO/IEC 17025 and KOLAS accreditation.

Tested by:

  
 Kyeong-Sik Kim

Approved by:

  
 Jong-bin Park

2021. 06. 16

KOREA INSTITUTE OF LIGHTING & ICT

Daewoo Technopark A-403, 261, Doyak-ro, Gyeonggi-do, Korea (14523)  
 TEL : 032-670-8888, FAX : 032-670-8889





## TEST RESULT

### 1. Test Result

Test Item	Test Requirement	Unit	Result	Remark	
Effective intensity	The maximum luminous intensity of 360° horizontal plane for vertical elevation angle 2° ~ 10° shall be less than 400 cd	cd	126	Refer to Attachment (Page 4)	
	The minimum luminous intensity of 360° horizontal plane for vertical elevation angle 2° ~ 10° shall be more than 40 cd	cd	49		
	The vertical beam spread satisfying 20 cd or more for 360° horizontal plane shall be more than $\geq 12^\circ$	°	>18		
	Peak intensity should be located at approximately Between 2° and 3° vertical	°	2		
Chromaticity	The chromaticities of aeronautical ground lights shall be within the white boundaries (Red boundary $y \geq 0.387$ White boundary $y \geq 0.980 - x$ Green boundary $y \leq 0.727x + 0.054$ )	x	-	0.560 6	Refer to Attachment (Page 5)
		y	-	0.434 6	
Flash rate	60 ~ 90	fpm	69	-	

※ This test is the result of testing using the sample provided by the applicant.



## 2. Test Sample

[Sample Picture]



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