

<b>Manufacturer</b>	OxyTech
<b>Product Type</b>	Exterior floodlight
<b>Luminaire Code</b>	1234
<b>Photometry Code</b>	RL001
<b>Photometry Description</b>	Luminaire with 5 LED - wide
<b>Luminaire Description</b>	Demo type – recessed
<b>Test Date</b>	30/08/2016



<b>Laboratory Manager</b>	Mr. X	<i>Signature</i>
<b>Laboratory Technician</b>	Mr. Y	<i>Signature</i>

## Luminaire data

<b>Geometry</b>			
<b>Dimensions (mm)</b>	<b>Length / Diameter</b>	<b>Width</b>	<b>Height</b>
	100	100	85
<b>Luminous area dimensions (mm)</b>	<b>Length / Diameter</b>	<b>Width for C-0</b>	<b>Height for C-0</b>
	80	80	0
	<b>Height C90</b>	<b>Height C180</b>	<b>Height C270</b>
	-	-	-
<b>Light source</b>	LED		
<b>Ballast/Driver</b>	LED driver		

## Norms

<b>Norms</b>	UNI EN 13032-4:2015
<b>Stray light evaluation</b>	Following italian standard UNI

## Labratory instrument list

Code	Instrument	Manufacturer	Model
OX-041	Luxmeter	C&G Berlin	Labolux M1
OX-036	Goniophotometer	T2 OxyTech	T2 001
OX-024	Thermo Hygrometer	Delta	P12345
OX-032	Wattmeter	Kynerichs	W0987
OX-028	Power source	Elektrotest	TPS 6000
OX-018	Spectroradiometer	Jeti	1201

## Uncertainty of the instruments

<b>Goniophotometer encoder - Oxytech T2</b>	Angular resolution in C and Gamma angles	$\pm 0,05^\circ$
<b>Luxmeter C&amp;G</b>	f1'	< 1,5%
<b>Spectroradiometer</b>	Wave length uncertainty	0.2%
	Tricromatic coordinates uncertainty	5 NM
<b>Wattmeter</b>	Power uncertainty	$\pm 0,01 V$

## Test conditions

Photometric laboratory		
Environmental conditions	Temperature °C	25 ± 1°C
	Relative humidity	65%
	Air movement	< 1 m/sec
Electrical conditions	Source voltage	230 V ± 2 V
	Source frequency	50 Hz ± 1%
	Harmonic distortion THD V	< 3%
Measurement notes	Standard	EN 13201-4
	Type	C-Gamma
	Luminaire position	T2-C5
	Distance (m)	9,68
	Stabilization time (min)	45

## Result summary

Efficacy (lm/W)	105
Luminaire luminous flux (lm)	2.448
Luminaire input power (W)	23,31
Notes and comments	//

## Photometric documentation

