



DS1

957701270

DS1-LD-SR-030-PV

**AREASCAN™ DETECTION AND MEASUREMENT LIGHT
GRIDS WITH ANALOG OUTPUT**

OVERVIEW

- 4 mm resolution and 1 ms response time
- 100 to 300 mm controlled height
- Operating distance up to 4 m
- PNP digital and 0-10 V analog outputs
- Adjustment trimmer

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	0,15..2,5m
--------------------------	------------

controlled height	300mm
-------------------	-------

minimum detectable object	7mm
---------------------------	-----

number of rays	48
----------------	----

Sensitivity adjustment	Trimmer
------------------------	---------

Application

Function Principle	Emitter- Receiver
Description	Slim profile - Low res. 7 mm
Functions	Light array for detection and measurement

Outputs

Output type	PNP, 0-10 V
Output Function	NO; 0...10V
Response time	1ms

Electrical data

Operating Voltage	20,4...27,6VDC
No-Load supply current	≤200mA
Load current	≤100mA
Output voltage drop	≤1,5V Iload = 100mA
LED indicators	Yellow (output state) Green (powerON)
Emission	Infrared (880nm)

Mechanical data

Dimensions	22x350x43
Material	Metal - Aluminium / PMMA
Housing material	Aluminium
Weight	600g

Connections	M12 Plug
Active Head Material	PMMA

Test/Approvals

Approvals	CE cULus
-----------	----------

Accessories

Supplied Accessories	Fixing brackets
----------------------	-----------------

Generical Data

Dimensions	22x350x43
Operating Temperature	0°C...+ 50° C
Mechanical Protection	IP65

Datasensing S.r.l.

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

date of printing

10/08/2026
03:05:33