SQUARE DOME LIGHT
SMSA series

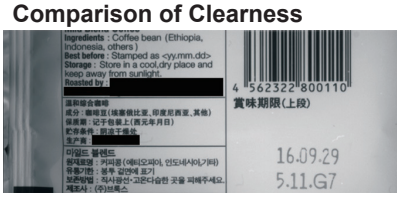
No Camera Window

Square Dome Light

Improvement of sharpness and brightness while keeping a wide field of view

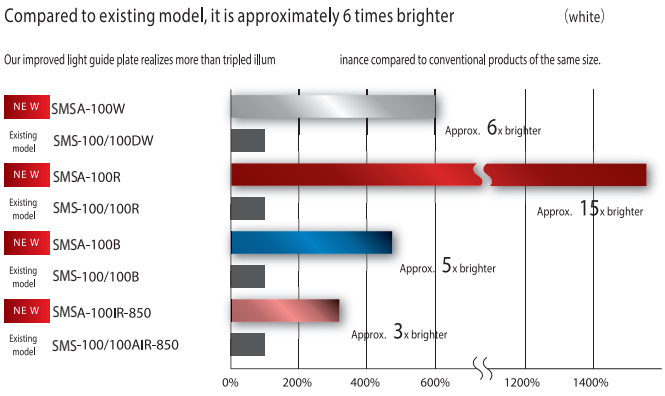
Improvement of optical acrylic plates archives much clearer imaging and higher brightness. New one is 6 times brighter with stationary emission, an 25 times overdrive emission, compared to the existing models.

Comparison of Clearness



<SMSA-150W>

<SMS-150/150DW>

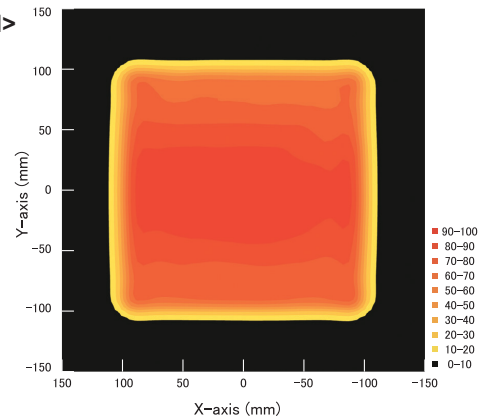


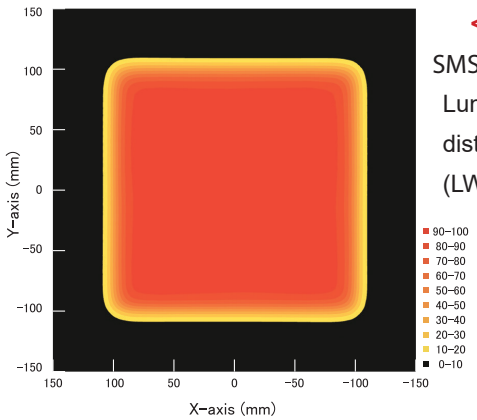
Significant Improvement in uniformity

<Existing model>

SMS-200/200DW

Luminance distribution (LWD=10mm)





<NEW model>

SMSA-200WHV

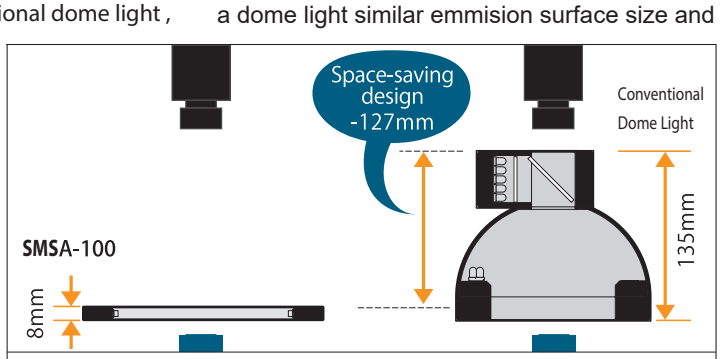
Luminance distribution (LWD=10mm)

Light and Thin. Easy installation

◎ Approx. 46% lighter than conventional dome light , a dome light similar emmision surface size and effects.

	Light emission surface size (mm)	Weight (g)
SMSA-100	100x100 mm	270g
Conventional Dome Light	Opening Size φ114 mm Equivalent to 80x80 mm	585g

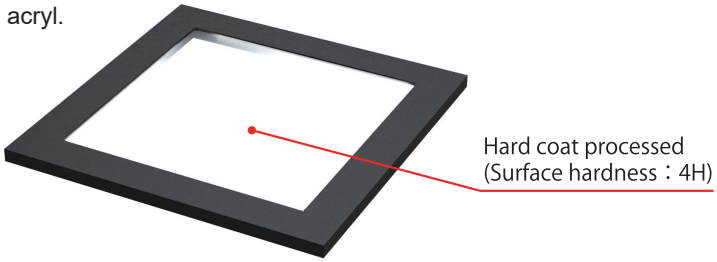
46% lighter



◎Space-saving design allows flexible installation, even with restriction of installation place.
◎Even irradiation at a short range, imaging without glares on subjects is possible.

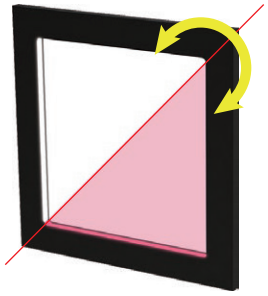
Hard coat processing improces its excoriation resistance

The acrylic surface is hard coat processed (4H), and has better scratch resistance than normal acryl.

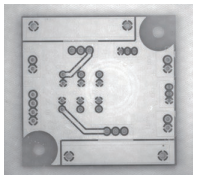


CAUTION: Dirt, dust and scratches on the acrylic surface may affect imaging. When dust and dirt are adhered on the surface, remove them with an air blow.

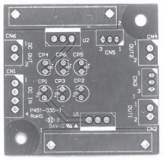
Composite configuration of different luminescent color can be produced by customization



By customizing, two-color model is available. This customization makes it enable to emphasis is the emphasis the features of objects by two-color irradiation, and save the installation space.



<IR>
Printed circuit board layout patterns can be seen through the printed letters or resist layer.



<White>
Silk print on the circuit board can be seen clearly

Product specification

Model	Color	Power Consuption	Input Voltage	SAG(*)
SMSA-50□	R	9.5 W	DC12V	D0
	W			CB
	B			AD
	IR(850)	6 W		FF
SMSA-75□	R	14 W		DC
	W			E0
	B			B6
	IR(850)	9 W		FF
SMSA-100□	R	22 W		C3
	W			BC
	B			A5
	IR(850)	12.5 W		FF
SMSA-150□	R	30 W		DA
	W			B8
	B			B6
	IR(850)	17 W		FF
SMSA-200□HV	R	33 W	DC24V	---
	W			
	B			
SMSA-200□	IR(850)	20.5 W	DC12V	FF

□ represents light color R(Red), W(White), B(Blue), IR-850=Infrared)
SAG is the maximum voltage set in the SAG power supply.

Photographed examples

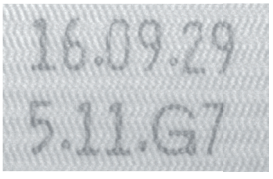
Object:
Package of Coffee

< SMS150/150DW (Existing model)>

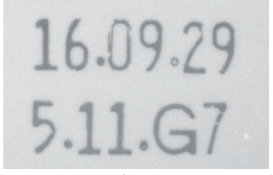
Bar code looks wavy.

<SMSA-150W (New model)>

Bar code looks straight and accurate discrimination of width and space of the lines is possible.



Discrimination of printing is possible but the object is not clear.



Printing and blur of letter us clear and accurate discrimination is possible.

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