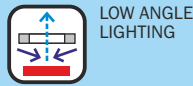




RADIAL LIGHTING



LOW ANGLE LIGHTING

ALS SERIES

DIFFUSE RINGLIGHTS

This system provides an ideal frontal diffuse light to obtain great contrast and uniformity. It is placed on camera axis. This application allows the illumination of reflecting objects making textures uniform, eliminating reflections and reducing shadows.

TECHNICAL DATA	ALS0402A	ALS1105A	ALS1307A	ALS1612A	ALS2315A
DIFFUSE LIGHT					
DIMENSIONS	48x48x27	∅126x41	∅145x41	176x176x13	245x245x13
INNER ∅	21	34	49	120	145
RWD (mm)	>40	>50	>80	70 < x < 320	80 < x < 400
WEIGHT	75g	410g	525g	410g	880g
IP RATING	IP50 ¹	IP30	IP30	IP50 ¹	IP50 ¹
MOUNTING HOLES	(x2)M4∇6 (x3)DIN913 M5@120°	(x2)M4∇6 (x3)DIN913 M5@120°	(x3)M4∇6 (x3)DIN913 M5@120°	(x3)M4∇6 (x3)DIN913 M5@120°	(x7)∅4.25∇THRU
CONNECTION (cable non-included)	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V
MODIFIERS ²					
ACCESSORIES ³					
MAX. OPERATING HUMIDITY	85% non-condensing	85% non-condensing	85% non-condensing	85% non-condensing	85% non-condensing
OPERATING T°	0 - 40°C	0 - 40°C	0 - 40°C	0 - 40°C	0 - 40°C
STORAGE T°	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C
HOUSING MATERIAL	Anodized aluminium	Anodized aluminium	Anodized aluminium	Anodized aluminium	Anodized aluminium

(1) IP53 if the system is positioned so that the light falls vertically.

(2) Optional modifications on the standard lighting system from manufacturing. Consult the code for ordering them on introduction 'How to use this catalogue' section.

(3) Accessories are non-included. More information in accessories section.

INSTANTANEOUS CONSUMPTION (Max.)		Lighting model*					WT*
		ALS0402A	ALS1105A	ALS1307A	ALS1612A	ALS2315A	
TYPE C (24VDC)		0.8W	7.6W	10W	11W	17W	-470C
		0.8W	7.6W	10W	11W	17W	-525C
		1.3W	4.7W	9.5W	10W	18W	-630C
		1.3W	6.4W	8.2W	10W	18W	-880C
		1.3W	6.4W	8.2W	10W	18W	-940C
		N/A	N/A	N/A	11W	17W	-W00C
TYPE P (24VDC) Dmax= 1/2 Ton max= 60s		1.1W	9.5W	13W	N/A	N/A	-365P
		1.1W	9.5W	13W	N/A	N/A	-400P
		1.1W	8W	11W	N/A	N/A	-W00P
TYPE S Dmax= 1/20 Ton max= 2ms		175mA / 4.2W	1585mA / 38W	2110mA / 51W	N/A	N/A	-365S
		175mA / 4.2W	1585mA / 38W	2110mA / 51W	N/A	N/A	-400S
		175mA / 4.2W	1585mA / 38W	2110mA / 51W	2110mA / 51W	3170mA / 76W	-470S
		175mA / 4.2W	1585mA / 38W	2110mA / 51W	2110mA / 51W	3170mA / 76W	-525S
		175mA / 4.2W	970mA / 23W	2110mA / 51W	2110mA / 51W	3170mA / 76W	-630S
		420mA / 10W	2300mA / 55W	2925mA / 70W	3760mA / 90W	6690mA / 161W	-880S
		420mA / 10W	2300mA / 55W	2925mA / 70W	3760mA / 90W	6690mA / 161W	-940S
		175mA / 4.2W	1585mA / 38W	2110mA / 51W	2110mA / 51W	3170mA / 76W	-W00S

Take note that consumption table is for guidance. To refer to real values, consult product label when purchasing. | *ORDER REFERENCE = Lighting model + WT / MODIFIERS

UV- (365nm) UV (400nm) BLUE (470nm) GREEN (525nm) RED (630nm) IR (880nm) IR+ (940nm) WHITE



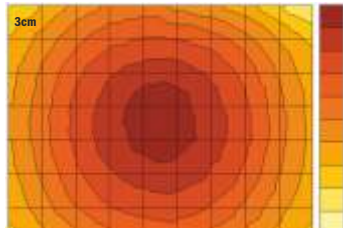
TECHNICAL DRAWINGS (All units in millimeters, if not indicated)

<p>ALS0402A-E00B</p>	<p>ALS1105A-E00B</p>
<p>ALS1307A-E00B</p>	<p>ALS1612A-E00B</p>
<p>ALS2315A-E00B</p>	

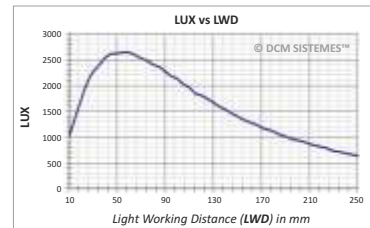
ADDITIONAL INFORMATION



Example of ALS captured image



Brightness distribution of ALS1105A-630C@350mm



ALS1105A-630C light intensity.