



Simple and easy appearance, in line with contemporary aesthetic concept. The product has the structure and appearance design patent. High efficiency constant current driver, ensure the light source is maximum used. can be easily installed in any type of space, to create amazing light effects, The LED is set back to minimize glare. The main body is made of die-cast aluminum that guarantees optimum heat dissipation with single optic lens family in the most popular sizes and beams with excellent color rendering, and Supreme light quality.

FIELDS OF APPLICATION:

Living spaces, villas, residential, showrooms, hotels, restaurants, restaurants, offices, etc.

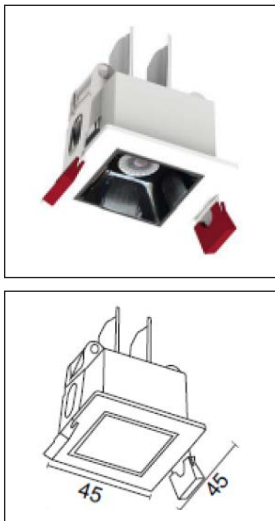
The SHAL Recessed ceiling luminaires adaptable for indoor applications.

High Lumen Efficacy 115 lm/W - UGR<19
Body - Die cast aluminum housing with solvent free powder coating
Diffuser -polycarbonate pattern lens
Glowing Wire Test - 850°
Temperature - of=20 °C ~ of max=50 °C

SHAL-A-1-10-27-W-3W



Model --- **SHAL**



SHAL

X X X X X

Size	A — B — C — D — E — F							
Driver	1	2	3	4	5	6	7	
	On/Off	Dali	1-10	Phase Dimming	RGBW	Casambi	Tuya	
Beam Angle	10° — 12° — 15° — 24°							
Kelvin	27	30	40	50	60	TUN	1	2
	2700k	3000k	4000k	5000k	6000k	Tunable	RGB	RGBW
Finishing	W		B		S	X		
	white		black		silver	as per requested		
Wattage	3	3*2	3*3	3*5	3*10	3*15		

Lighting Customization Solution can offer you modifications for environment with higher options as a customized product.

IP20

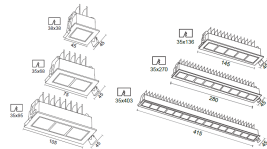
SMD

McA Step 3

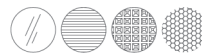
220-240V



A - Ø 45*45*50mm	38*38mm
B - Ø 75*45*50mm	68*35mm
C - Ø 105*45*50mm	95*35mm
D - Ø 145*45*50mm	136*35mm
E - Ø 280*45*50mm	270*35mm
F - Ø 415*45*50mm	403*35mm

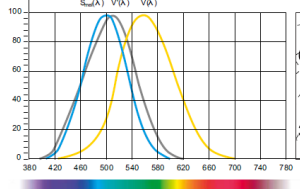


Available Accessories

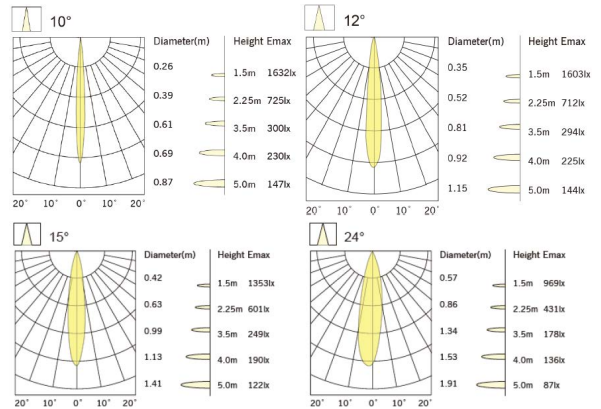


Relative spectral perception of brightness and melanopic effect

Effect as a percentage



Explanation of the three curves:
V(A) = Perception of brightness, daytime seeing with the cones
V(A) = Nighttime seeing with the rods
S_m(A) = Melanopic suppression with the photosensitive ganglion cells



LED life time			Operating time 1.000 h										
Lamp Lumen Maintenance Factor			1	10	20	30	40	50	60	70	80	90	100
Lamp Survival Factor			1	1	1	1	1	1	1	1	0.99	0.99	0.99
L80	50.000 h	LLMF	1	0.96	0.92	0.88	0.84	0.80	0.76	0.72	0.68	0.64	0.60
		LSF	1	1	1	1	1	1	0.99	0.99	0.99	0.99	0.98
L80	100.000 h	LLMF	1	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.80
		LSF	1	1	1	1	1	1	1	0.99	0.99	0.99	0.99

