



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 Premium aluminum reflectors with different sizes and high-quality light. The typical beam angle change by different color, chip size and chip position.

FIELDS OF APPLICATION:

Living spaces, villas, residential, offices, showrooms, hotels, restaurants, buildings, hospitals, shopping malls, supermarket, museums, convention centers, galleries, etc.

The HANI Recessed ceiling luminaries adaptable for indoor applications.

High Lumen Efficacy 115 lm/W - UGR<19

CRI: ≥80 PF: 0.5

Body - Die cast aluminum housing with solvent free

powder coating Reflector - Anodized aluminum

Diffuser -polycarbonate pattern lens

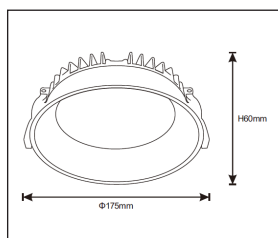
Glowing Wire Test - 850°

Temperature - of=20 °C ~ of max=50 °C

HANI-RO-A-1-120-30-W-10W



Model --- **HANI-RO**



HANI-RO

X X X X X

Size A B C

Driver 1 2 3 4
On/Off DALI 1-10 Phase Dimming

Beam Angle 120°

Kelvin 30 40 60
3000K 4000K 6000K

Finishing W
White

Wattage 10 15 20

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

IP20



McA Step 3

220-240V

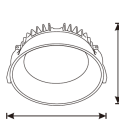


A - Ø 120 x H55mm 110mm

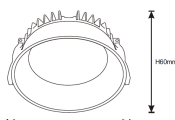
B - Ø 155 x H60mm 145mm

C - Ø 175 x H60mm 165mm

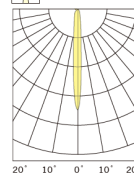
A



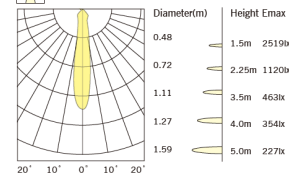
B



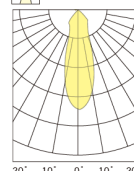
8°



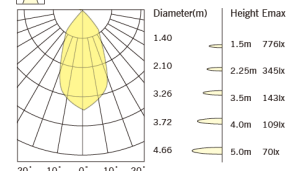
15°



30°

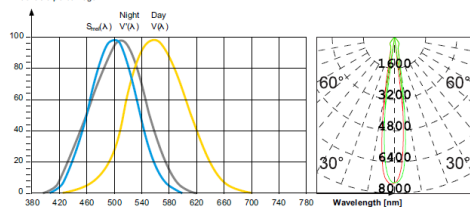


50°

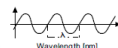


Relative spectral perception of brightness and melanopic effect

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(A) = Melanin 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	0.60
		LSF	1	1	1	1	1	1	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	0.80
		LSF	1	1	1	1	1	1	1	0.99	0.99	0.99

