Downlight Specification

K2R75L2

— KING 2 series

【Basic Parameters】

· Material: ADC12, spraying surface
· Driver Installation: Remote
· IP grade: IP20/IP54
· CCT: 2700/3000/3500K/4000K/2700-6500K optional
· CRI: 90
· SDCM(Light source): <3 Step
· Beam angle: 8°/10°/15°/24°/36°/50° optional
· UGR(X=4H,Y=8H): ≤1(10°/36°)、≤3(8°/24°)、≤16(50°)
· Lighting direction: downward
· Dimming method: Non/0-10V/Traic/DALI optional
· Input voltage: AC220-240V
· Working temperature: -15°C~40°C
· Application: Indoor
· Installation: Trimless Recessed
· Certification: CE、UKCA、ROHS、Reach
· Warranty: 5 years

【Frame Color】

White

【Reflector type】

Round　Pin hole　Oval

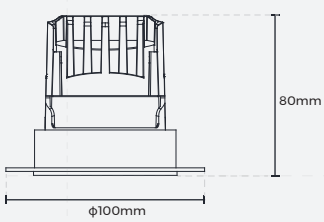
【Reflector Color】

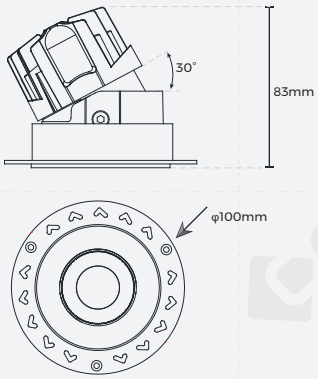
Matte black　Matte white　Champagne Gold　Mirror　Black chrome

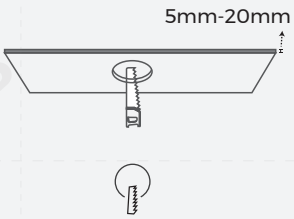
【Optical Accessory】

Honeycomb　Linear Spread Filter　Diffusion Filter

【Product mechanical data】







Opening size: φ75mm

【Luminaire Parameters】

Version	Model	Opening Size (mm)	Input Voltage (V)	Input Current (mA)	Type Power (W)	CRI	Beam Angle	CCT	Lumen (LM)
Normal	K2R75L2	φ75	DC36	250	10	>90	8°	3000K	250
							10°	3000K	600
							15°	3000K	640
							24°	3000K	790
							36°	3000K	860
							50°	3000K	820
				300	12		8°	3000K	265
							10°	3000K	650
							15°	3000K	755
							24°	3000K	935
							36°	3000K	1020
							50°	3000K	985
				350	15		15°	3000K	870
							24°	3000K	1065
							36°	3000K	1200
							50°	3000K	1170
				500	20		15°	3000K	1100
							24°	3000K	1360
							36°	3000K	1560
							50°	3000K	1500
CCT Tunable	K2R75L2	φ75	DC36	250	10	>90	24°	2700K	550
							36°		620
							50°		600
							24°	4000K	660
							36°		730
							50°		700
							24°	6500K	660
							36°		730
							50°		720

CCT Tunable	K2R75L2	φ75	DC36	300	12	>90	24°	2700K	635
							36°		720
							50°		700
							24°	4000K	780
							36°		875
							50°		840
							24°	6500K	780
							36°		875
							50°		840
				350	15		24°	2700K	780
							36°		870
							50°		825
							24°	4000K	960
							36°		1080
							50°		1020
							24°	6500K	960
							36°		1080
							50°		1020
				500	20		24°	2700K	1000
							36°		1100
							50°		1000
							24°	4000K	1240
							36°		1360
							50°		1300
							24°	6500K	1200
							36°		1300
							50°		1260

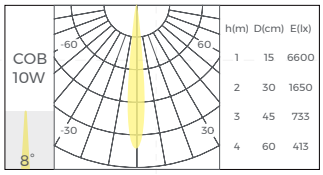
Note:

1. The above parameters are tested based on the light source with Color Rendering Index Ra90 and 3000K for the Normal version;
Luminous efficiency & luminous flux at 2700K = 3000K value × 0.95
Luminous efficiency & luminous flux at 3500K = 3000K value × 1.03
Luminous efficiency & luminous flux at 4000K = 3000K value × 1.05
3. The input voltage and input current belong to the light source.
4. The brand of the light source is CREE.
5. The power supply brand used is either Egret or Adim.
6. The above parameters belong to the “Round” reflector type, and the light efficiency of the “Pin hole”reflector type and the “Oval” reflector type is 10% lower than that of “Round” reflector type
7. Assembling either honeycomb, Linear Spread Filter and Diffusion Filter will reduces luminous efficacy, UGR and beam angle.
8. luminous flux is allowed to have a ±10% error range;
9. The above parameters are typical values.

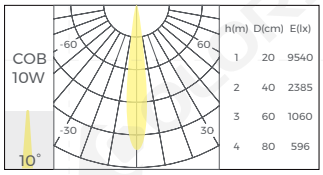
【Optical Parameter】

- Normal

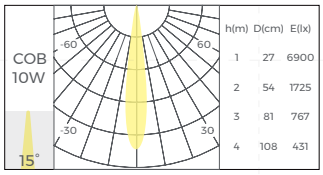
· Type Power: 10W



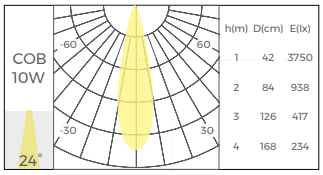
h(m)	D(cm)	E(lx)
1	15	6600
2	30	1650
3	45	733
4	60	413



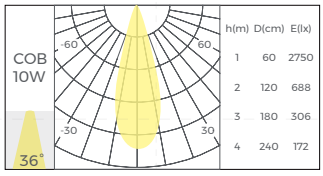
h(m)	D(cm)	E(lx)
1	20	9540
2	40	2385
3	60	1060
4	80	596



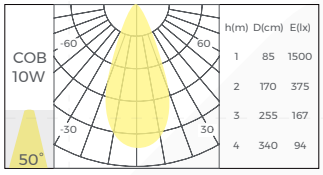
h(m)	D(cm)	E(lx)
1	27	6900
2	54	1725
3	81	767
4	108	431



h(m)	D(cm)	E(lx)
1	42	3750
2	84	938
3	126	417
4	168	234

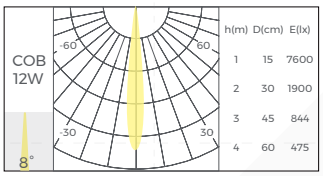


h(m)	D(cm)	E(lx)
1	60	2750
2	120	688
3	180	306
4	240	172

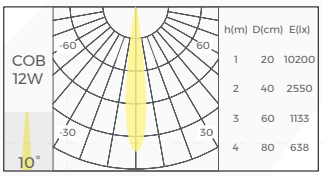


h(m)	D(cm)	E(lx)
1	85	1500
2	170	375
3	255	167
4	340	94

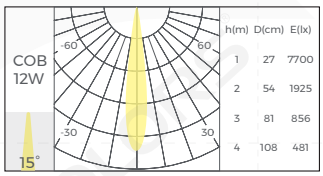
· Type Power: 12W



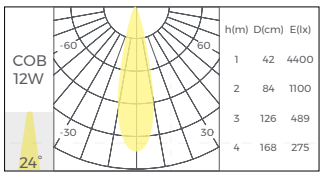
h(m)	D(cm)	E(lx)
1	15	7600
2	30	1900
3	45	844
4	60	475



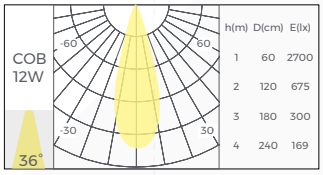
h(m)	D(cm)	E(lx)
1	20	10200
2	40	2550
3	60	1133
4	80	638



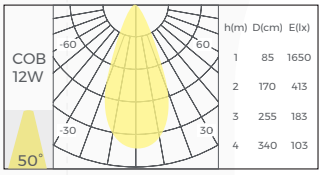
h(m)	D(cm)	E(lx)
1	27	7700
2	54	1925
3	81	856
4	108	481



h(m)	D(cm)	E(lx)
1	42	4400
2	84	1100
3	126	489
4	168	275

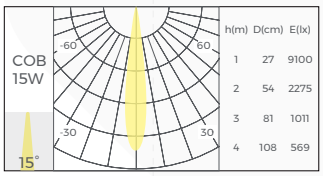


h(m)	D(cm)	E(lx)
1	60	2700
2	120	675
3	180	300
4	240	169

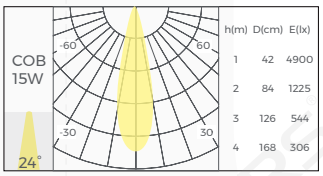


h(m)	D(cm)	E(lx)
1	85	1650
2	170	413
3	255	183
4	340	103

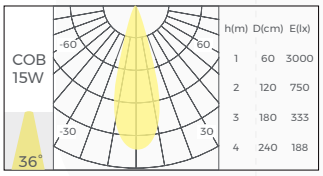
· Type Power: 15W



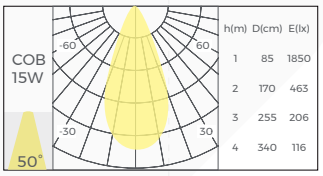
h(m)	D(cm)	E(lx)
1	27	9100
2	54	2275
3	81	1011
4	108	569



h(m)	D(cm)	E(lx)
1	42	4900
2	84	1225
3	126	544
4	168	306

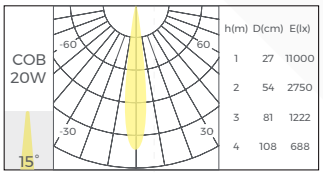


h(m)	D(cm)	E(lx)
1	60	3000
2	120	750
3	180	333
4	240	188

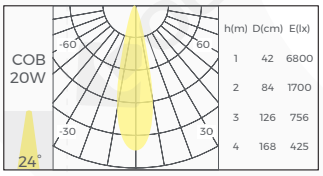


h(m)	D(cm)	E(lx)
1	85	1850
2	170	463
3	255	206
4	340	116

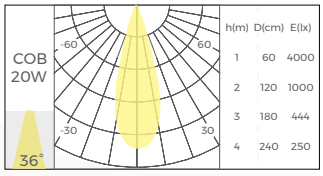
· Type Power: 20W



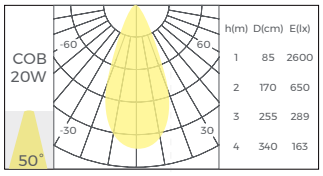
h(m)	D(cm)	E(lx)
1	27	11000
2	54	2750
3	81	1222
4	108	688



h(m)	D(cm)	E(lx)
1	42	6800
2	84	1700
3	126	756
4	168	425



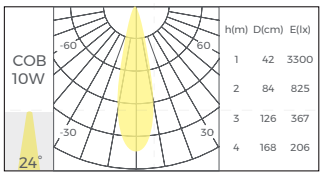
h(m)	D(cm)	E(lx)
1	60	4000
2	120	1000
3	180	444
4	240	250

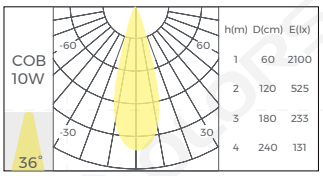


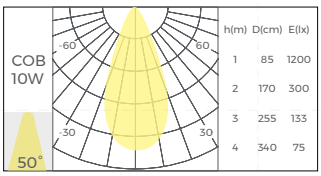
h(m)	D(cm)	E(lx)
1	85	2600
2	170	650
3	255	289
4	340	163

- CCT Tunable

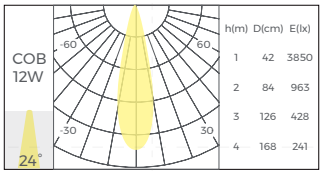
· Type Power:10W

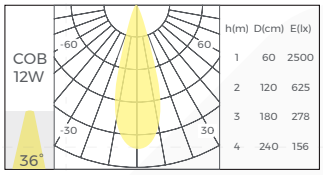


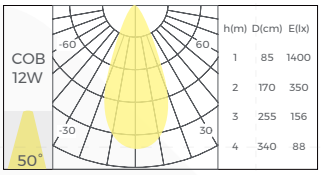




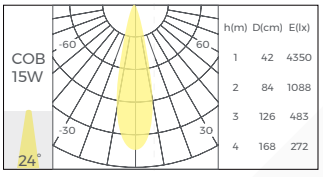
· Type Power:12W

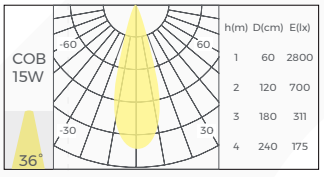


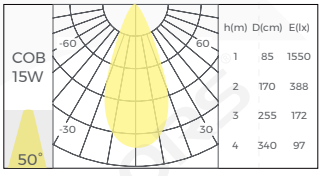




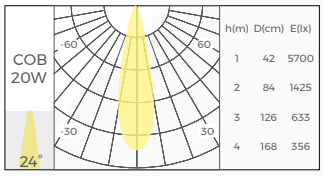
· Type Power:15W

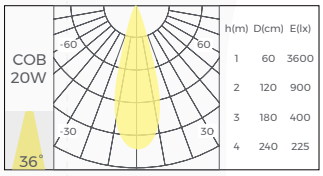


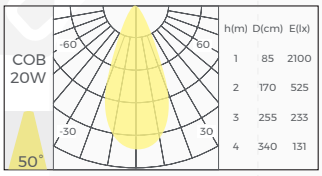




· Type Power:20W







Note:
1. Central light intensity value =1 meter maximum luminous intensity value;
1. N meter maximum luminous intensity value = Central light intensity value/N^2;
For example:2 meter maximum luminous intensity value = Central light intensity value/2^2;

【Packing】

Model	Size (mm/box)	Quantity /box	Quantity /carton	NW (kg/box)	NW (kg/carton)	GW (kg)	Size (mm/carton)
DL-K2R75L2-XXX	168*144*100	1	48	0.46	22	28	592*519*422

【Attentions】

1、Non-professionals are prohibited from installing, disassembling and repairing the product.

2、Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product.

3、Please use professional cutting tools when cutting

4、Do not use any acid or alkaline adhesive to fix products

5、The product is only suitable for indoor dry places, can not be used in outdoor, seaside or wet environment.