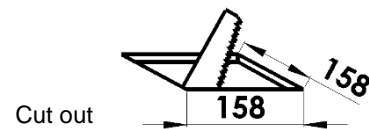
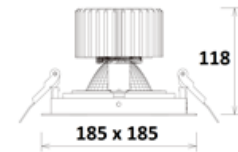


Technical Specification

COB-R-SQ

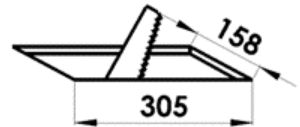
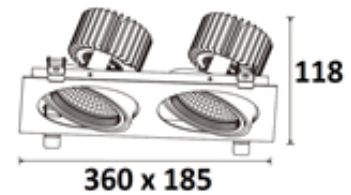
Product Name:	COB-R-SQ1/2/3
Category:	Ceiling Light
Description:	Recessed square ceiling light with single Chip on Board LED per module

COB - R - SQ1



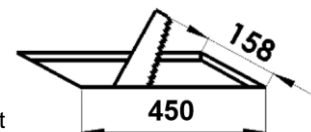
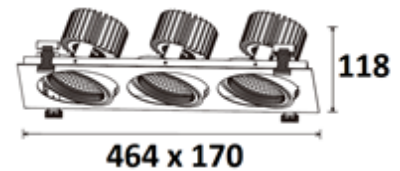
Cut out

COB - R - SQ2



Cut out

COB - R - SQ3



Cut out

Technical Specification

COB-R-SQ

Fitting Material	High pressure die cast aluminium housing
Trim adjustability	Swivel Trim
Available finishes	Powder coated white
Optic Type	Reflector
IP Rating	IP20
Mounting Type	Ceiling cut-out
LED Colours (CCT)	3000K, 4000K + speciality retail, food and health colours
LED Colour Consistency	<3 SDCM
Colour Rendering Index (CRI)	CRI80 , CRI90 (CRI95+ on request)
LED Lifetime	L80B10 >50,000 hrs at Ta = 25° Celsius
Control Options	non-dim (N), DALI (DALI), Bluetooth (BLU)
Operating Voltage/ Frequency	220 – 240 V/ 50 – 60 Hz
Optional Add-ons	Min. 1 hour emergency version available
	Compatibility with specific motion or light sensors
Warranty	5 year warranty as per LEDwise standard terms of warranty
Manufacture	Assembled in South Africa

Optical and Electrical Characteristics

Product Code	Plug Power (W)	Colour Temp (K)	Luminaire Luminous Flux (lm)*		Luminaire Luminous Efficacy (lm/W)		Beam Angle
			Minimum CRI		Minimum CRI		
			80	90	80	90	
COB10-R-SQ1	10.1	3000	1268	1079	126	107	15, 30, 45, 60°
		4000	1330	1114	132	110	
COB15-R-SQ1	13.6	3000	1618	1431	119	105	
		4000	1711	1473	126	108	
COB20-R-SQ1	19.9	3000	2277	1988	114	100	
		4000	2436	2047	122	103	
COB25-R-SQ1	27.7	3000	3207	2796	116	101	
		4000	3416	2879	123	104	
COB35-R-SQ1	36.5	3000	4040	3425	111	94	
		4000	4291	3527	118	97	
COB45-R-SQ1	42.2	3000	4612	3897	111	92	
		4000	4890	4013	116	95	

*Values accurate to within 10%



Technical Specification

COB-R-SQ

Optical and Electrical Characteristics								
Product Code	Plug Power (W)	Colour Temp (K)	Luminaire Luminous Flux (lm)*		Luminaire Luminous Efficacy (lm/W)		Beam Angle	
			Minimum CRI		Minimum CRI			
			80	90	80	90		
COB10-R-SQ2	20.2	3000	2x 1268	2x 1079	126	107	15, 30, 45, 60°	
		4000	2x 1330	2x 1114	132	110		
COB15-R-SQ2	27.2	3000	2x 1618	2x 1431	119	105		
		4000	2x 1711	2x 1473	126	108		
COB20-R-SQ2	39.8	3000	2x 2277	2x 1988	114	100		
		4000	2x 2436	2x 2047	122	103		
COB25-R-SQ2	55.4	3000	2x 3207	2x 2796	116	101		
		4000	2x 3416	2x 2879	123	104		
COB35-R-SQ2	73.0	3000	2x 4040	2x 3425	111	94		
		4000	2x 4291	2x 3527	118	97		
COB45-R-SQ2	84.4	3000	2x 4612	2x 3897	111	92		
		4000	2x 4890	2x 4013	116	95		
COB10-R-SQ3	30.3	3000	3x 1268	3x 1079	126	107		15, 30, 45, 60°
		4000	3x 1330	3x 1114	132	110		
COB15-R-SQ3	40.8	3000	3x 1618	3x 1431	119	105		
		4000	3x 1711	3x 1473	126	108		
COB20-R-SQ3	59.7	3000	3x 2277	3x 1988	114	100		
		4000	3x 2436	3x 2047	122	103		
COB25-R-SQ3	83.1	3000	3x 3207	3x 2796	116	101		
		4000	3x 3416	3x 2879	123	104		
COB35-R-SQ3	109.5	3000	3x 4040	3x 3425	111	94		
		4000	3x 4291	3x 3527	118	97		
COB45-R-SQ3	126.6	3000	3x 4612	3x 3897	111	92		
		4000	3x 4890	3x 4013	116	95		


*Values accurate to within 10%



Technical Specification

COB-R-SQ

Product Ordering Code				
Example: COB25 - R - SQ1 - 3080 - 30° - WT - N				
COB25-R-SQ1	3080 = 3000K CRI80	30°	WT	N
Product Code	LED Colour CRI	Beam Angle	Fitting Colour	Control

Warning	
DO NOT COVER WITH THERMAL INSULATION MATERIAL	

Document Info
COB-R-SQ Rev 3