MODULAR LIGHTING — INSTRUMENTS
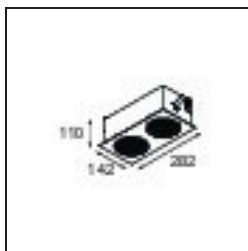
Date	
Customer	
Project	
Type	

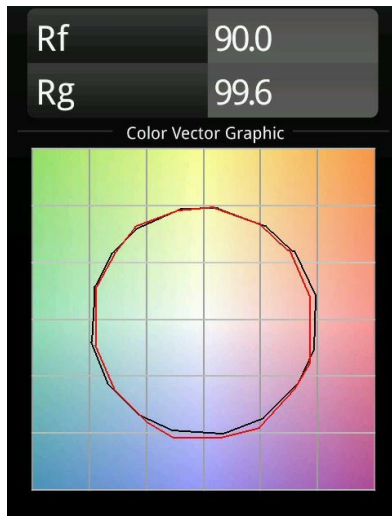## *FFD_Marcel Recessed Adjustable 2x LED 3000K Flood DE White Structure*

Marcel is a spotlight that meets every requirement for a highly efficient lighting solution. Easy to install, adjustable and charged with endless possibilities. All thanks to different LED sources and versions holding one, two or three lamps. An extremely versatile lumaire, Marcel serves as the ideal choice for retail environments.

Friends of hue

Specifications

Material	14092509
Light Source Type	LED
LED Type	LUMILED 1205 GEN 3
LED technology	LED COB
CRI	Min. 90
Colour Temperature	3000K
Lifetime	L80B20 @50,000 Hours
Lamp Included	Yes
Number of Light Sources	2
Binning (SDCM)	3
Light Direction	Down
Optic	Reflector
Measured beam angle (°)	40.1
Input Voltage	Constant Current Driver Required
Electrical Class	III
IP Rating	20
Glow wire rating (°C)	960
Indoor/Outdoor	Indoor
Application	Ceiling
Mounting	Recessed
Cut-out size (mm)	L 275 W 135
Mounting depth (mm)	200.0
Adjustability	H 360° V -30°/+30°
Distance to Lighted Object (m)	0,1
Primary Colour & Primary Finish	White, Structure
Gross weight (g)	2123.0

Drive current (mA)	350	500	700
Min. forward voltage (Vf)	30,9	31,9	33,2
Max. forward voltage (Vf)	35,7	36,8	38,3
Connected load (W)	11,7	17,2	25,0
Luminous flux per lamp (lm)	1267	1719	2259
Efficacy (lm/W)	108	100	90
Glare rating	18	19	20

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Diagrams

TM30 & CRI diagram

Rf	90.0
Rg	99.6

Color Vector Graphic

CRI	92.1
R9	59.8

R1	92	
R2	95	
R3	97	
R4	91	
R5	91	
R6	93	
R7	91	
R8	82	
R9	59	
R10	88	
R11	91	
R12	79	
R13	93	
R14	98	
R15	89	

Light distribution & beam diagram

H[m]	D[m]	Eav[lux]	Emax[lux]
1.00	0.73	1789	2951
2.00	1.46	447	738
3.00	2.19	199	328
4.00	2.92	112	184
5.00	3.65	72	118

1910 lm   beam angle 40.1°   η = 89 %