OVERVIEW COMBI RAIL PRO-LIGHT

Version 01-11-2017

Max. total power 300W (because of deviations in bulbs max. load 90% of Trafo
Fixture GX5.3 / MR16 , 12V up to max 50W / luminaire
Max. total lenght of system 8m, max 5 pcs of track/4 track connectors
Max lenght 12V power cord 3m
Max. mechanical load picture hanging 20kg/point and 50kg/m

Since 2011 no longer available
2015 4W replaced by 3,4W and 10W by 8W
2017 (november) 7W replaced by 6,5W

Max amount of bulbs / Trafo

		LEDwarmwit Philips 3,4W diffuus 40.41303	LEDwarmwit Philips 6,5W diffuus 40.41306	LEDwarmwit Philips 8W diffuus 40.41308	HALOGEEN Philips 20W helder 40.41120	HALOGEEN Philips 35W helder 40.41135	HALOGEEN Philips 50W helder 40.41150	HALOGEEN BLV 20W diffuus 40.41220	HALOGEEN BLV 35W diffuus 40.41235	HALOGEEN BLV 50W diffuus 40.41250
										
Trafo 240/12V 60VA 40.32060		8	6**	4	3	1	1			
Trafo 240/12V 100VA 40.32100		14	10**	8	4	2	2	4	2	2
Trafo 240/12V 300VA 40.32300		42	28	24	12	8	5	12	8	5

Main properties of bulbs

Type		MR16	MR16	MR16	MR16	MR16	MR16	MR16	MR16	MR16	
Power	[W]	3,4	6,5	8	20	35	50	20	35	50	
Powerf.(cosphi)		0,7	0,7	0,7	na (1,0)	na (1,0)	na (1,0)	na (1,0)	na (1,0)	na (1,0)	
Power Incl. blind (cosphi)	[W]	4,86	9,29	11,43							Calculated from power and cosphi
Power Incl. blind (current)	[W]	6,24	9,60	10,80							Calculated from power and current
Current	[mA]	520	800	900							
Beam intensity	[cd]	1000	2350	3250	700	1500	2100	350	500	1000	
Color temperature	[K]	3000	3000	3000	3000	3000	3000	2900	2950	3000	Lower is warmer white
UV		N	N	N	UV-Protect	UV-Protect	UV-Protect	UV-Protect	UV-Protect	UV-Protect	
IR (warmte)		N	N	N	Y	Y	Y	Y	Y	Y	
Ra (CRI)		80	97	80	100	100	100				For realistic colour reproduction an Ra of min 90 is recommended
Lifetime	[hr]	25000	40000	40000	4000	4000	4000	3500	3500	3500	Opgave producent (LED tot 70% lichtopbrengst einde levensduur)
Diameter	[mm]	50	51	51	50	50	50	51	51	51	As specified by the manufacturer (LED usually to min 70% of lightoutput)
Lenght	[mm]	49	46	55	46	46	46	45	45	45	
Weight	[kg]	0,035	0,034	0,045							
Straylight Rear		N	N	N	Y	Y	Y	N	N	N	N is prefered because bulb / luminaire is less visible
Dimable		N	Y*	Y*	Y	Y	Y	Y	Y	Y	
Beam Angle	[°]	24	24	24	36	36	36	40	40	40	Angle of lightbeam (usually up to half the max beam intensity)
Beam diameter at 1m	[m]	0,43	geen opg.	0,43	0,65	0,65	0,65	0,73	0,73	0,73	Diameter of lightspot (usually up to half the max beam intensity)
Beam intensity on 1m	[lux]	1000	geen opg.	2840	700	1500	2100	350	500	1000	Ammount of light on object (sometimes the total output is specified)
Light output	[lm]	240	440	660	230	500	700	140	200	400	Amount of light
Luminius Efficacy	[lm/W]	65,0	67,7	78,0	11,5	14,3	14,0	7,0	5,7	8,0	

* For dimming MasterLED consult last information on www.philips.com because specifications change frequently

** **For 6,5W on 60W and 100W trafo with max. amount of bulbs leads to 96% of max. current (instead of recommended 90%)**