-	
GENERAL CHARACTERIS	STICS
Equivalent Power*	2× 18, 2× 80 W
Power supply	93–265 V _{AC} 50/60 Hz 176–250 V _{DC}
Standard	EN 60598-1,EN 60598-2-1, EN 60598-2-22 (fundamental requirements), EN62471 (Photobiological hazard)
Protection grade	IP40
Working temp.	-20 °C ÷ +40 °C
Mounting	suspension with steel cable, suspension with chain, ceiling-mounting with bracket rail on ceiling or bracket rail with special slats
Body	extruded aluminium RAL 9010
Optic	transparent polyammide PMMA
Power supply	Electronic SD (cos $\phi \ge 0.96$) Electronic intelligent dimming system
MTBF Control gear**	* 80 000 h
Luminous flux maintenance**	>60 000 (L80B20)
Colour deviation	3 SDCM
* Equivalent power for com ** At environmental referen	parison with fluorescent tube fixtures ice temperature of 25 °C

EMERGENO	Y WITH LED INVERTER	TR AT LG LGFM
19358	INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V	to be ordered separately
19359	INVERTER PLUG&LIGHT LED SE/SA 3H 20-60V	to be ordered separately
19355	INVERTER LED AT/LG 6W 55V 123H	to be ordered separately
19372	INVERTER LED AT/LG 8W 55V 123H	to be ordered separately
19390	INV EXT AT/LG 15W 55V 0,75-1-2-3-8H LTO	to be ordered separately
19391	INV EXT AT/LG 15W 55V 0,75-1-2-3-8H LiFe	to be ordered separately
19391		io be

LG Inverters can be transformed in LGFM with the accessory code 19375

Rail System LED

Pre-wired supporting profile + SD lighting module

Continuous-row system with pre-wired modular track. A single supporting track is the basis for installing both the three-phase binary and the specific lighting module, available with 7 different optics to meet most lighting needs in small and large scale retail, offices and industrial applications. The pre-wiring of the channel uses 7 poles: 3 phases – Neutral-Pet (earth) – Emergency lighting – DALI BUS. Every components is made of extruded aluminium with high-precision inserts and mechanical locking. Guaranteeing extremely quick installation, the range allows scope for every level of system complexity and any type of continuous-row routing.

The operation of the Opticom system requires a radio module and smart photosensor, which can work either in auto-dimming mode or directly commanded via a smartphone to adjust the brightness intensity with the exposed device. LED Rail System can also be controlled via WiFi, thanks to the optional domotic control unit that also enables all the operating modes envisaged by the Smart Driver (SD) protocol.





	Weight			
w	L	В	Ĥ	kg
2× 80	1 416	73	80	3.6
2× 18	568	73	80	1.7

Buildin	g automation 💷	to be ordered separately
Order code	Description	
20102	BUILDING AUTOMATION CENTRAL UN	IIT
20124	BUILDING AUTOMATION CENTRAL UN	IT WIFI
20104	2 INPUT INTERFACE - RADIO TRANSM	/ ITTER
15022	BUILDING AUTOMATION RADIO MODU	JLE
15024	DALI MODULE	
15034	1-10V MODULE	
15035	OPTICOM AUTODIMMER SENSOR RAI	L

SPECIAL VARIANTS: COLOUR RENDERING \geq 90, COLOUR TEMPERATURE ON REQUEST, IP54 VERSION ON REQUEST Contact the Beghelli sales network



14537 RAIL CEILING BRACKET

to be ordered separately

SUSPENDED MOUNTING



CLOSURE HEAD



14532	RAIL HEAD	to be ordered separately
14580	RAIL HEAD DOUBLE ARC	to be ordered separately

CEILING MOUNTING



7-POLE ASSEMBLY SYSTEM



14530 RAIL POWER 7 WIRE

to be ordered separately

COVERS



Base components

Rail System Led is an advanced track system with a 1 host of possible variant that make it extremely versatile, suitable for all type of use





Electrified tri-phase rail

or recessed installation within the supporting profile, can accommodate floodlights of various power levels

2

Pre-wired supporting profile

equipped with a quick-connect system for speedy installation. Mounted before the other components, comprises the supporting structure of the system

3 Wired LED SD lighting module Available with 7 different optics, with achoice of concentrator, diffusor, asymmetrical and symmetrical options. The quick-locking system is also equipped with an electrical connection

SD lighting module

SD wired LED device

Power	ower • Dimensions (mm) •					
W*	L	В	, H	kg		
2× 80	1 416	68	37	1.7		
2× 18	568	68	37	0.8		

SD lighting module

SmartDriver **SD**

Power*	Order code	Description	Ontic	LED Power W	Colour Temp K	Colour	Power consumption	Nº I FD	Flux of LEDs	Flux of	lm/W	Energy	Packaging
		Description	optio		Tomp. IX	renuening	THUX W		iiii (1j=20-0)	Inclui e IIII	111/ 11	01033	Tuckuging
2× 80	14500	RAIL LED 2x80 1500 WD SD 4K	Wide (90°)	59	4 000	>80	65 (56*)	288	10 000	9 000	139	A++	1/10
2× 80	14501	RAIL LED 2x80 1500 SP SD 4K	Sharp (25°)	59	4 000	>80	65 (56*)	288	10 000	9 000	139	A++	1/10
2× 80	14502	RAIL LED 2x80 1500 NR SD 4K	Narrow (60°)	59	4 000	>80	65 (56*)	288	10 000	9 000	139	A++	1/10
2× 80	14503	RAIL LED 2x80 1500 DS SD 4K	Double Asymm	59	4 000	>80	65 (56*)	288	10 000	9 000	139	A++	1/10
2× 80	14504	RAIL LED 2x80 1500 RS SD 4K	Right Asymm	59	4 000	>80	65 (56*)	288	10 000	9 000	139	A++	1/10
2× 80	14505	RAIL LED 2x80 1500 LS SD 4K	Left Asymm	59	4 000	>80	65 (56*)	288	10 000	9 000	139	A++	1/10
2× 80	14568	RAIL LED 2x80 1500 DA SD 4K	(120°)	59	4 000	>80	65 (56*)	288	10 000	9 000	139	A++	1/10
2× 18	14540	RAIL LED 2x18 600 WD SD 4K	Wide (90°)	23	4 000	>80	26	144	4 000	3 600	140	A++	1/10
2× 18	14541	RAIL LED 2x18 600 SP SD 4K	Sharp (25°)	23	4 000	>80	26	144	4 000	3 600	140	A++	1/10
2× 18	14542	RAIL LED 2x18 600 NR SD 4K	Narrow (60°)	23	4 000	>80	26	144	4 000	3 600	140	A++	1/10
2× 18	14543	RAIL LED 2x18 600 DS SD 4K	Double Asymm	23	4 000	>80	26	144	4 000	3 600	140	A++	1/10
2× 18	14544	RAIL LED 2x18 600 RS SD 4K	Right Asymm	23	4 000	>80	26	144	4 000	3 600	140	A++	1/10
2× 18	14545	RAIL LED 2x18 600 LS SD 4K	Left Asymm	23	4 000	>80	26	144	4 000	3 600	140	A++	1/10
2× 18	14569	RAIL LED 2x18 600 DA SD 4K	(120°)	23	4 000	>80	26	144	4 000	3 600	140	A++	1/10

* The power consumption has an auto derating to the power indicated in parenthesys if the product is powered by voltage less than 110 V_{AC}.

Rail System 80W – 120° Order code 14568

105 90 75

Pre-wired supporting profile

Structure component

Equipped with a quick connection system for extremely fast installation. Mounted prior to the other components, it forms the supporting structure of the system. Continuous-row installation.

EC rail - supporting profile with lateral power supply

Model mm	Order code	Description	Cable section mm ²	 Dimensions (mm) L B 	Weight Packaging kg	
600	14516	RAIL 600 7 WIRE EC	2.5	570 68.4	0.7 1/10	
1 500	14510	RAIL 1500 7 WIRE EC	2.5	1 416 68.4	1.4 1/10	
3 000	14512	RAIL 3000 7 WIRE EC	2.5	2 832 68.4	2.8 1/10	
4 500	14514	RAIL 4500 7 WIRE EC	2.5	4 248 68.4	4.2 1/10	

CC rail – supporting profile with central power supply (from above)

Model mm	Order code	Description	Cable section mm ²	• Dimensions (mm) • L B	Weight kg	Packaging
1 500	14511	RAIL 1500 7 WIRE CC	2.5	1 416 68.4	1.4	1/10
3 000	14513	RAIL 3000 7 WIRE CC	2.5	2 832 68.4	2.8	1/10
4 500	14514	RAIL 4500 7 WIRE CC	2.5	4 248 68.4	4.2	1/10

To power a continuous row system from above, only one DC rail is required, which will supply power to all the EC rails in both directions

Quantity of lamps in a continuous row per phase

Power W	Length mm	Cable section mm ²	Quantity of lamps 230 V _{AC}	Quantity of lamps 110 V _{AC}	Length of line (m) 230 V _{AC}	Length of line (m) 110 V _{AC}
2× 18	570	2.5	135	67	75	37
2× 80	1 416	2.5	54	27	75	37

The electrified rail consists of 3 phases + 2 that can be used to power the emergency lighting system or a BUS (Dali or Logica)

Spacing of fixing points

CONTINUOUS ROW MOUNTING

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Electrified binary module

Structure component

For assembling three-phase spotlights of the ZOOM LED or EXPO LED type

• Di	Weight		
L	В	Н	kg
1 416	68	21	1.7

Electrified binary module

Order code	Description	Packaging
14531	SPOT RAIL 1500 7 WIRE	1/10
14538	SPOT RAIL 600 7 WIRE	1/10

Smart photosensor

Structure component

The smart photosensor module allows to use Opticom, Autodimmer Natural Light and Dynamic Light technologies on all the Rail modules associated with it. These modules must be combined with the domotic radio module (15022).

• Dimensions (mm) •			Weight
L	В	H	kg
568	68	21	0.7

Smart photosensor

Order code	Description	Packaging
15035	RAIL AUTODIMMER OPTICOM 600	1

Rail system head and joint connections

RAIL SYSTEM HEAD

14520 RAIL POWERED HEAD 7 WIRE

L JOINT

14521RAIL L INL OUTR 7 WIRE

14522

T JOINT

X JOINT

