

INSERTO MEDIUM 65 F

SPECIFICATIONS


base code	659
typology	Trimless, linear recessed luminaire with symmetrical light distribution
mounting	On plasterboard using brackets (included) or on concrete using housing box (code from 69451 to 69460) to be separately ordered as accessory
length	From 280 to 2530 mm / from 11.02" to 99.61"
depth	65 mm / 2.56"
width	40 mm / 1.57"
required depth	80 mm / 3.14"
first fit requirement	Yes, housing box to be separately ordered if mounting on concrete
ceiling cut out	Plasterboard: 44 mm / 1.73" - Concrete: 70x80 mm / 2.76"x3.15"
ceiling thickness	From 10 to 15 mm MAX / from 0.39" to 0.59" MAX for plaster ceiling
construction	Extruded aluminum fixture. End caps in turning and milling aluminum. Diffuser in polycarbonate. Housing box in zinc-plated iron
finishes	Anodized or powder coated when painted
IP rating	IP40
lamp quantity	1
lamp type	Linear LED array on printed circuit board. PCB L 250 mm / 9.84". PCB increment 250 mm / 9.84" - 2500 mm / 98.43" max. Custom dimensions on request. Remote power supply not included
LED pitch	4,1 mm / 0.16" (480 LEDs per meter)
lamp wattage	From 3W to 100W at 48V DC. North America 24V DC
special features	Trimless profile that has a knife edge to the finished surface. Diffuse and completely homogenous light distribution across the entire surface. Unpolarized and protection against wrong connections for RGB
colour temperatures	2700K CRI93, 3000K CRI93, 4000K CRI93 and RGB
lamp lumens	PCB L 250: 2700K CRI93 - 826lm, 3000K CRI93 - 826lm, 4000K CRI93 - 915lm
lamp efficacy lm/W	PCB L 250: 2700K CRI93 - 83lm/W, 3000K CRI93 - 83lm/W, 4000K CRI93 - 92lm/W
lumen maintenance	50.000hrs lifetime with lumen maintenance at L70
dimming options	Push button, potentiometer, remote control, 1-10V, DALI, DMX, KNX, Crestron. Dimming options depend on power supply and additional control units to be separately ordered as accessories
certifications	CE, ETL
installation manuals	www.b-light.it



* weight based on 250 mm / 9.84"

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ORDER CODE

BASE CODE	A1. LENGTH			A. POWER SUPPLY		B. COLOUR TEMPERATURES	
659		<i>white</i>	<i>RGB</i>				
	51	280 mm	10 W	3 W	8	48V DC EXCL. power supply	4 4000K CRI93
	52	530 mm	20 W	6 W			5 3000K CRI93
	53	780 mm	30 W	9 W	R	 listed 24V DC EXCL. power supply	6 RGB ¹
	54	1030 mm	40 W	12 W			8 2700K CRI93
	55	1280 mm	50 W	15 W			
	56	1530 mm	60 W	18 W			
	57	1780 mm	70 W	21 W			
	58	2030 mm	80 W	24 W			
	59	2280 mm	90 W	27 W			
60	2530 mm	100 W	30 W				

¹ flush diffuser in satin white only

Example: BASE CODE **659** A1 **52** A **8** B **5** C **A** D **6** = **65952 85A6**

C. DIFFUSER

A satin
flush diffuser



C satin
recessed diffuser



B microprismatic
flush diffuser



D microprismatic
recessed diffuser



D. FINISHES

6 white
RAL 9003



D black
anodized



ACCESSORIES

REQUIRED ACCESSORIES

	code	output power	input voltage / frequency		IP	dimensions mm	
Power supply 48V DC* ON/OFF	69180	30W	90-264V	47-63Hz	IP64	L145xW47xH30	
	69181	40W	90-305V	47-63Hz	IP67	L163xW43xH32	
	69182	60W	90-305V	47-63Hz	IP67	L163xW43xH32	
	69183	100W	90-264V	47-63Hz	IP20	L201xW70xH35	
	69188	150W	90-305V	47-63Hz	IP67	L228xW68xH39	
	69189	240W	90-305V	47-63Hz	IP67	L244xW68xH39	
	69190	320W	90-305V	47-63Hz	IP67	L252xW90xH44	
	Power supply 48V DC* 1-10V ⁽¹⁾	69185	40W	90-305V	47-63Hz	IP67	L171xW62xH37
		69186	60W	90-305V	47-63Hz	IP67	L171xW62xH37
69187		100W	90-305V	47-63Hz	IP67	L220xW68xH39	
69188		150W	90-305V	47-63Hz	IP67	L228xW68xH39	
69189		240W	90-305V	47-63Hz	IP67	L244xW68xH39	
69190		320W	90-305V	47-63Hz	IP67	L252xW90xH44	
Power supply 48V DC* DALI ⁽¹⁾	69195	75W	100-305V	47-63Hz	IP67	L180xW63xH36	
	69196	100W	100-305V	47-63Hz	IP67	L199xW63xH36	
	69197	150W	100-305V	47-63Hz	IP67	L219xW63xH36	

¹ for a perfect dimming, it is necessary that the power supply is saturated to 100%

*To choose the power supply, always add a spare 20% as safety margin.

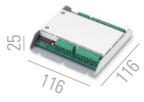
See pag 619 for cable size and max wiring distance from power supply to last connected luminaire

INSERTO MEDIUM 65 F

ACCESSORIES

REQUIRED ACCESSORIES

69144/69145



25
116
116

Power supply
24V DC
listed

Control unit
24V DC - 48V DC
RGB interface²⁾

Control unit
24V DC - 48V DC
DMX RGB interface²⁾

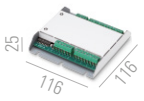
Consult the US agent Lites on West
T: 212.775.6363
E: info@litesonwest.com

code	page	description	in/out voltage	IP	dimensions mm
69144	614	SMART RGB MASTER 2 RGB interface master (max load 240W at 24V DC or 320W at 48V DC and No. 32 SMART RGB SLAVE 2)	24V DC - 48V DC	IP20	W116xD116xH25
69145	614	SMART RGB SLAVE 2 DMX interface or RGB interface slave (max load 240W at 24V DC or 320W at 48V DC)	24V DC - 48V DC	IP20	W116xD116xH25

²⁾ Inserto Medium 65 F RGB works only with B LIGHT's RGB interface.
It is not possible to order the luminaire separately from the RGB interface

OPTIONAL ACCESSORIES

69116/69117



25
116
116

Control unit
24V DC - 48V DC
Dimmer interface
0-10V interface

Control unit
24V DC - 48V DC
DMX interface

code	page	description	in/out voltage	IP	dimensions mm
69116	600	SMART DIMM MASTER 4 Dimmer interface master or 0-10V interface (four channels max load 240W at 24V DC or 320W at 48V DC and No. 32 SMART DIMM SLAVE 4)	24V DC - 48V DC	IP20	W116xD116xH25
69117	600	SMART DIMM SLAVE 4 DMX interface or dimmer interface slave (four channels max load 240W at 24V DC or 320W at 48V DC)	24V DC - 48V DC	IP20	W116xD116xH25

69451 / 69460



280/2530
40
310/2560
80
70

Housing box
for concrete

code	description	dimensions mm
69451	housing box	L310xW70xD80
69452	housing box	L560xW70xD80
69453	housing box	L810xW70xD80
69454	housing box	L1060xW70xD80
69455	housing box	L1310xW70xD80
69456	housing box	L1560xW70xD80
69457	housing box	L1810xW70xD80
69458	housing box	L2060xW70xD80
69459	housing box	L2310xW70xD80
69460	housing box	L2560xW70xD80
69161	RGB remote control	W85xD50xH7

69161



85
50

MOUNTING: TWO PROFILES IN ONE FIXTURE FOR EASY FUTURE RE-LAMPING



- 1** FIX PROFILE
- 2** WIRING
- 3** PRESS IN PLACE THE LED PROFILE
- 4** PRESS IN PLACE THE DIFFUSER