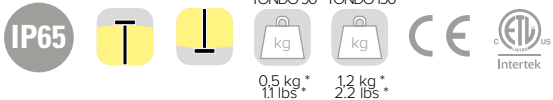
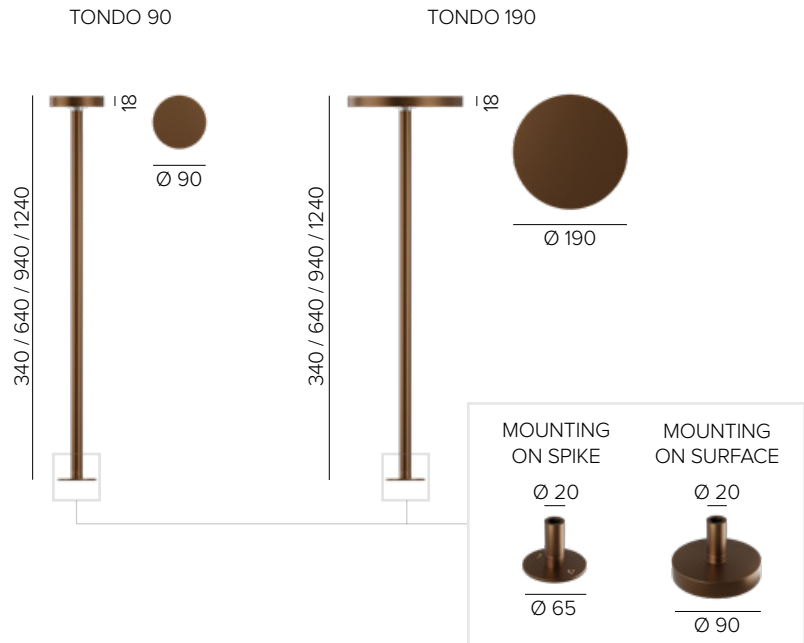




TONDO

SPECIFICATIONS

base code	672
typology	Glare free bollard and glare free wall mounting or ceiling mounted luminaire
mounting	On concrete with housing box or on ground with spike
height	340 mm / 13.39" - 640 mm / 25.2". Additional stem modules of 300 mm / 11.81" or 600 mm / 23.62" to be separately ordered as accessory. Available heights: 340 mm / 13.39" - 640 mm / 25.2" - 940 mm / 37" - 1240 mm / 47.24"
diameter	TONDO 90: 90 mm / 3.54" - TONDO 190: 190 mm / 7.48"
construction	Fixture: aluminium. Diffuser in polycarbonate complete with silicone gasket. Stainless steel A4 bolts
finishes	Powder coated
ingress protection	IP65. North America wet location
lamp type	LED array on printed circuit board. Remote power supply not included
lamp wattage	TONDO 90: 9W at 48V DC - TONDO 190: 18W at 48V DC. North America 24V DC
lamp lumens	TONDO 90: 900lm - TONDO 190: 1800lm
delivered lumens	TONDO 90: 450lm - TONDO 190: 900lm
lumen maintenance	50.000h L90
beam	Diffused
kelvin	2200K CRI80, 2700K CRI93, 3000K CRI93 / 3 step MacAdam ellipse
special features	48V DC: unpolarized electronic system. 24V DC: reverse polarity protection. Safe wiring - Two wires dimming
dimming options	Push button, potentiometer, 0-10V, DALI. Dimming options depend on power supply and additional control units to be separately ordered as accessories
listings	CE, ETL listed for wet location



TONDO

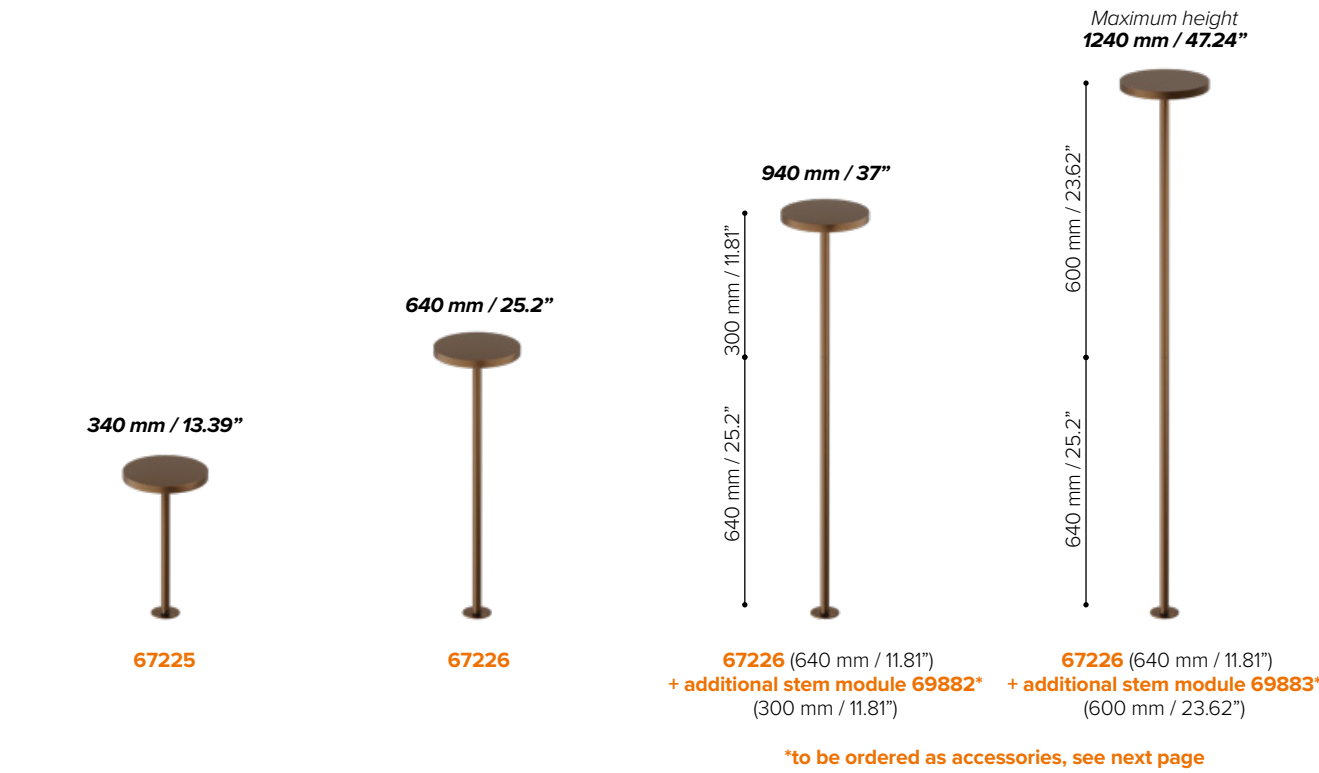
ORDER CODE

BASE CODE	A1 . STEM LENGTH	A . POWER SUPPLY	B . KELVIN	C . DIFFUSER
672	TONDO 90	8 48V DC EXCL. power supply	5 3000K CRI93 8 2700K CRI93 I 2200K CRI80	1 PMMA
	23 340 mm			
	24 640 mm			
	TONDO 190			
	25 340 mm	R  listed 24V DC EXCL. power supply		
	26 640 mm			
Example: BASE CODE A1 A B C D E = 67223-8816A				
D . FINISHES	E . OTHER			
6 white RAL 9003 	A grey RAL 9006 	A spike mounting 		
F golden bronze 	Q anthracite RAL 7024 	B surface mounting 		



TONDO

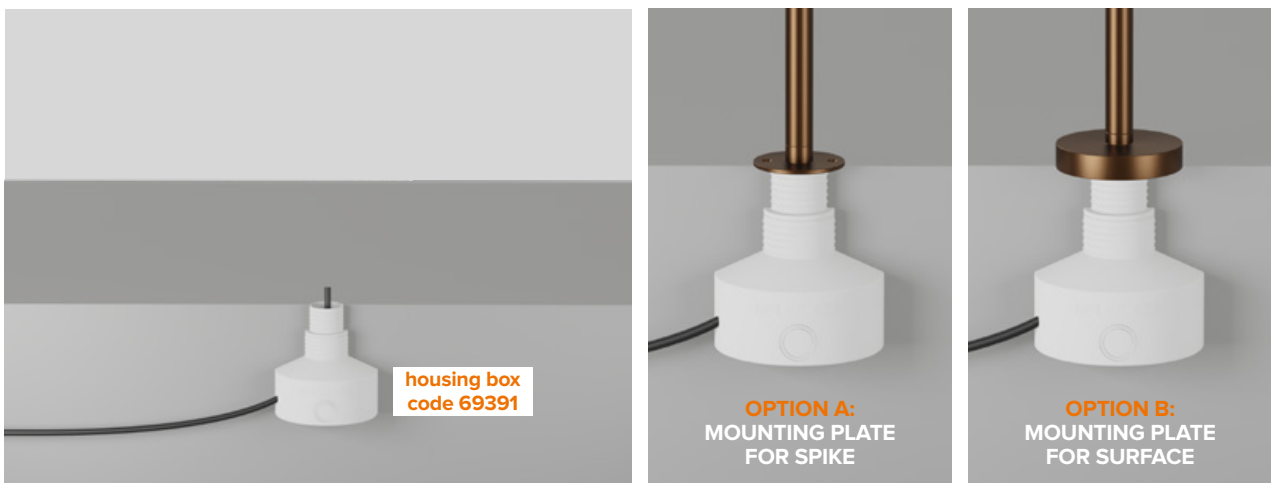
INSTALLATION OPTIONS



MOUNTING ON GROUND



MOUNTING ON CONCRETE





TONDO

ACCESSORIES

REQUIRED ACCESSORIES - NOT INCLUDED

	code	output power	input voltage / frequency		IP	dimensions mm
Power supply 48V DC ON/OFF*	69180	30W	90-264V	47-63Hz	IP20	L160xW46xH30
	69181	40W	90-305V	47-63Hz	IP67	L163xW43xH32
	69182	60W	90-305V	47-63Hz	IP67	L163xW43xH32
	69187	100W	90-305V	47-63Hz	IP67	L220xW68xH39
Power supply 48V DC 1-10V ¹ or ON/OFF* for ambient temperature up to 60° C	69185	40W	90-305V	47-63Hz	IP67	L171xW62xH37
	69186	60W	90-305V	47-63Hz	IP67	L171xW62xH37
	69187	100W	90-305V	47-63Hz	IP67	L220xW68xH39
Power supply 48V DC DALI [®] for ambient temperature up to 60° C	69195	75W	100-305V	47-63Hz	IP67	L180xW63xH36
	69196	100W	100-305V	47-63Hz	IP67	L199xW63xH36
¹ for a perfect dimming, it is necessary that the power supply is saturated to 100%						
Power supply 48V DC 1-10V and DALI	69096	55W	99-264V	50-60Hz	IP20	L129xW76xH30
Power supply 48V DC 0-10V	69097	120W	90-305V	47-63Hz	IP67	L191xW63xH38
Class 2 power supply 24V DC	Consult B LIGHT North America Lighting Group Network T: 212.775.6363 E: info@lightinggroupnetwork.com					
	69842					dimensions mm
						W37xD22xH37
	69847					dimensions mm
						W45xD30xH17

OPTIONAL ACCESSORIES

	code	description	dimensions mm
	69391	outdoor housing box for concrete	Ø120xH130
	69862	spike for ground installation	W60xD30xH240
	69882-6	300 mm / 11.81" stem module - white RAL 9003	Ø20xH300
	69882-A	300 mm / 11.81" stem module - grey RAL 9006	Ø20xH300
	69882-F	300 mm / 11.81" stem module - golden bronze	Ø20xH300
	69882-Q	300 mm / 11.81" stem module - anthracite RAL 7024	Ø20xH300
	69883-6	600 mm / 23.62" stem module - white RAL 9003	Ø20xH600
	69883-A	600 mm / 23.62" stem module - grey RAL 9006	Ø20xH600
	69883-F	600 mm / 23.62" stem module - golden bronze	Ø20xH600
	69883-Q	600 mm / 23.62" stem module - anthracite RAL 7024	Ø20xH600

*To choose the power supply, always add a spare 20% as safety margin.
See pag 599 for cable size and max wiring distance from power supply to last connected luminaire