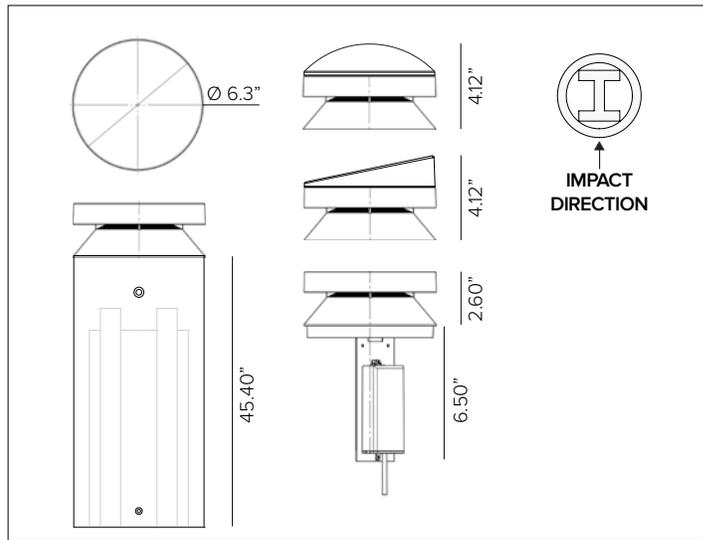


MR. BO IMPACTO

Impact Rated Radial Emission LED Bollard



Flat Top version shown.



CONCEPT

Radial-emission LED bollards are purpose-built to illuminate large open areas while providing crash-rated protection. Engineered to absorb and resist impact forces, they offer a reliable perimeter security solution for applications such as retail storefronts and restaurants essential to ensure both structural performance and occupant safety.

FIXTURE MECHANICAL CHARACTERISTICS

Housing	Ø 6.3" Dia.
Materials	Powder coated anodized die-cast aluminum optical head with extruded body. Aluminum decorative post mounts over steel reinforced pipe for impact rating. Marine Grade cataphoresis ^A for luminaire assembly.
Finish	Textured finish. ● Ferrite Dark Grey ● Black ● White ● Bronze ● Sandstone Grey ● Heritage Brown
Power Connection	Factory shipped with IP68 quick disconnect at fixture and joining 4ft SJOOW 18-6 cable with purple and grey wires for 0-10V.
Functionality	Features a steel-reinforced pipe designed for core-drill installation and reinforced internal I-beam to ensure structural integrity with hot-dip galvanized finish for enhanced corrosion resistance in demanding environments. Complete with decorative post and integrated optical luminaire assembly, available in flat, domed, or angled styles.
BUG	B1-U0-G1 Dark Sky Compliant
Weight	240lbs Steel-reinforced pipe
Protection	IP66
Resistance	S20 / Certified to halt a 5,000lbs vehicle while traveling at speeds up to 20MPH

CERTIFICATIONS

cULus Wet Location Listed E488257.
Tested in accordance with LM-79-08.
ASTM Standard F3016.
Compliant for California installations.
IEC 62471
RoHS3 EU 215/863

20MPH



WARRANTY

5 year limited warranty.
^A Marine grade chromate dipped aluminum suitable for use in marine grade environments. Not to be in direct contact with salt or corrosive agents for extended periods of time.

ELECTRICAL CHARACTERISTICS

Driver	Integral 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Phase / Forward Phase).
Wattage	27W (360°) / 19W (180°, 90°+90°) / 14W (90°)
Voltage	Universal Voltage 120-277V AC 50/60Hz
Ambient Temp.	-25°C / +35°C (95°F)

SOURCE

LED Chip on Board.

TM30	CCT (Nominal)	CRI	Rf	Rg	SDCM
	2700K	80	82	96	2
	3000K	80	83	96	2
	3500K	80	82	95	2
	4000K	80	82	95	2

Ra90 available upon request

OPTIC

Internal high reflective anodized aluminum reflector with transparent polycarbonate lens positioned horizontally under optical head with external black anti-glare control.

Beam	360°	180°	90°	90°+90°
Delivered Lumens	2700K 1,167Lm	873Lm	292Lm	598Lm
	3000K 1,217Lm	910Lm	305Lm	623Lm
	4000K 1,248Lm	933Lm	313Lm	639Lm

For 3500K lumen values use multiplier of 1.02 from 3000K.

Efficacy	52Lm/W max. Refer to photometric graphs for specific values.
Lifetime	L92/B10 30000hrs at max TA +25°C L90/B10 50000hrs at max TA +25°C
Photobiological Classification	Low risk safety RG1

SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

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SPECIFICATION INFORMATION



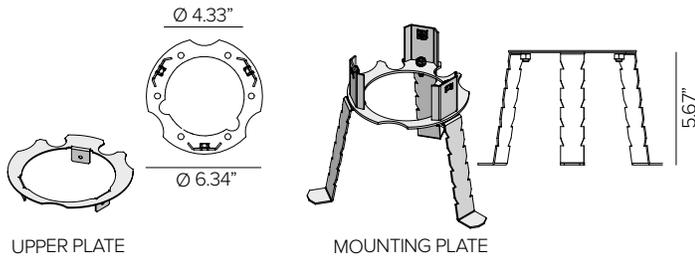
Ex: MBIA415136L330FE / IUS3448S / SSP4572

1 - PRODUCT CODE	2 - TOP	3 - DRIVER	4 - HEIGHT	5 - EMISSION	6 - WATTAGE	6 - KELVIN	7 - FINISH
MBI — MR. BO IMPACTO	— Flat	41 — 4/1 Smart Dimming (Non-Dimming / 0-10V / Reverse Phase / Forward Phase)	48 — 48in	36^D — 360°	L3 — 27W	27 — 2700K	FE — Ferrite Dark Grey
				18^C — 180°	L2 — 19W	30 — 3000K	HB — Heritage Brown
				99^C — 90°+90°	L1 — 14W	35 — 3500K	BZ — Bronze
	A — Angled D — Domed	41 — 4/1 Smart Dimming (Non-Dimming / 0-10V / Reverse Phase / Forward Phase)	50 — 49.52in	36^D — 360°	L3 — 27W	40 — 4000K	WT — White
				18^C — 180°	L2 — 19W		BT — Black
				99^C — 90°+90°	L1 — 14W		SG — Sandstone Grey
8 - MOUNTING		9 - INSTALLATION					
Ground Anchor Base See section for details		Steel-Reinforced Pipe See section for details					

^D 90° optic only available in 14W nominal.
^C 90°+90° and 180° optics only available in 19W nominal.
^D 360° optic only available in 27W nominal.

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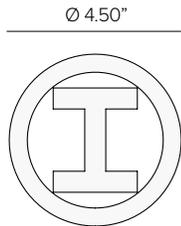
9 – MOUNTING (REQUIRED)



Mounting kit. Trimless post mounting base with ground anchor rods for installation in concrete, mounting bolts included. (1ea). Pipe stability plate (1ea). AISI 316 stainless steel. **(REQUIRED)**

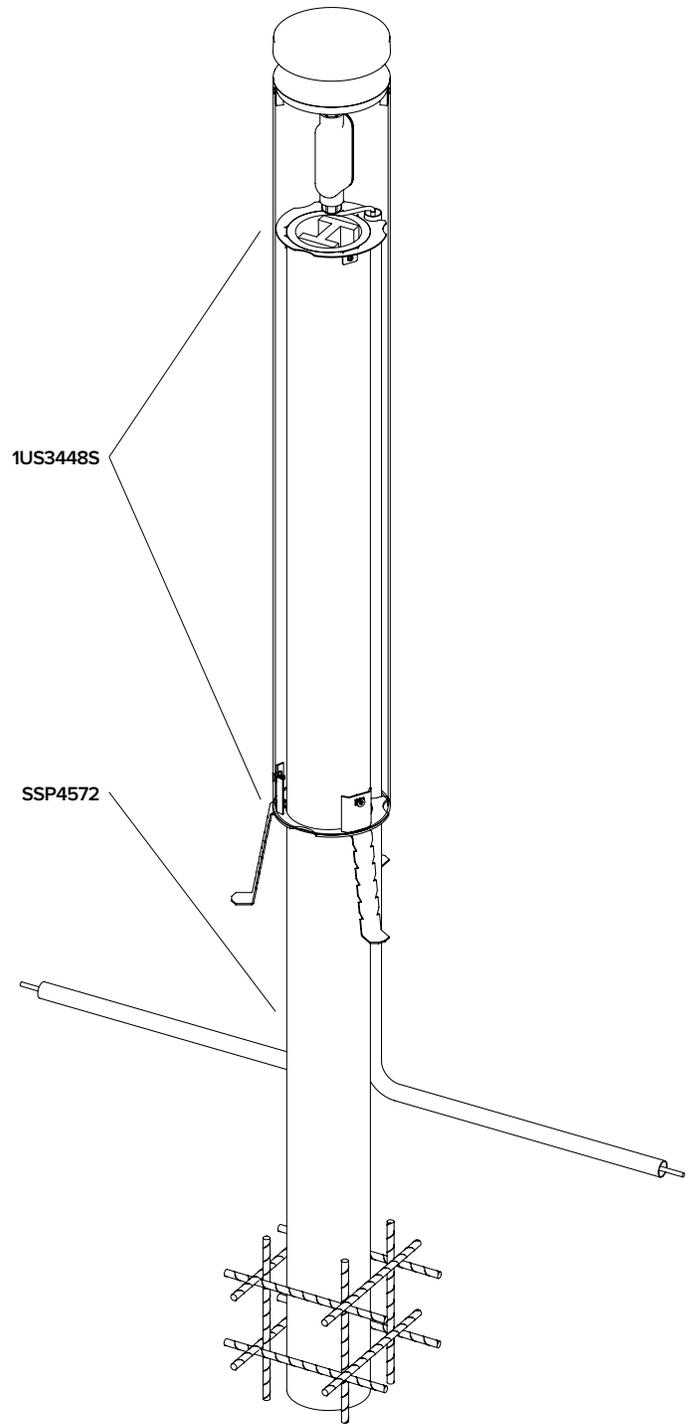
Part No. **1US3448S**

10 – INSTALLATION (REQUIRED)



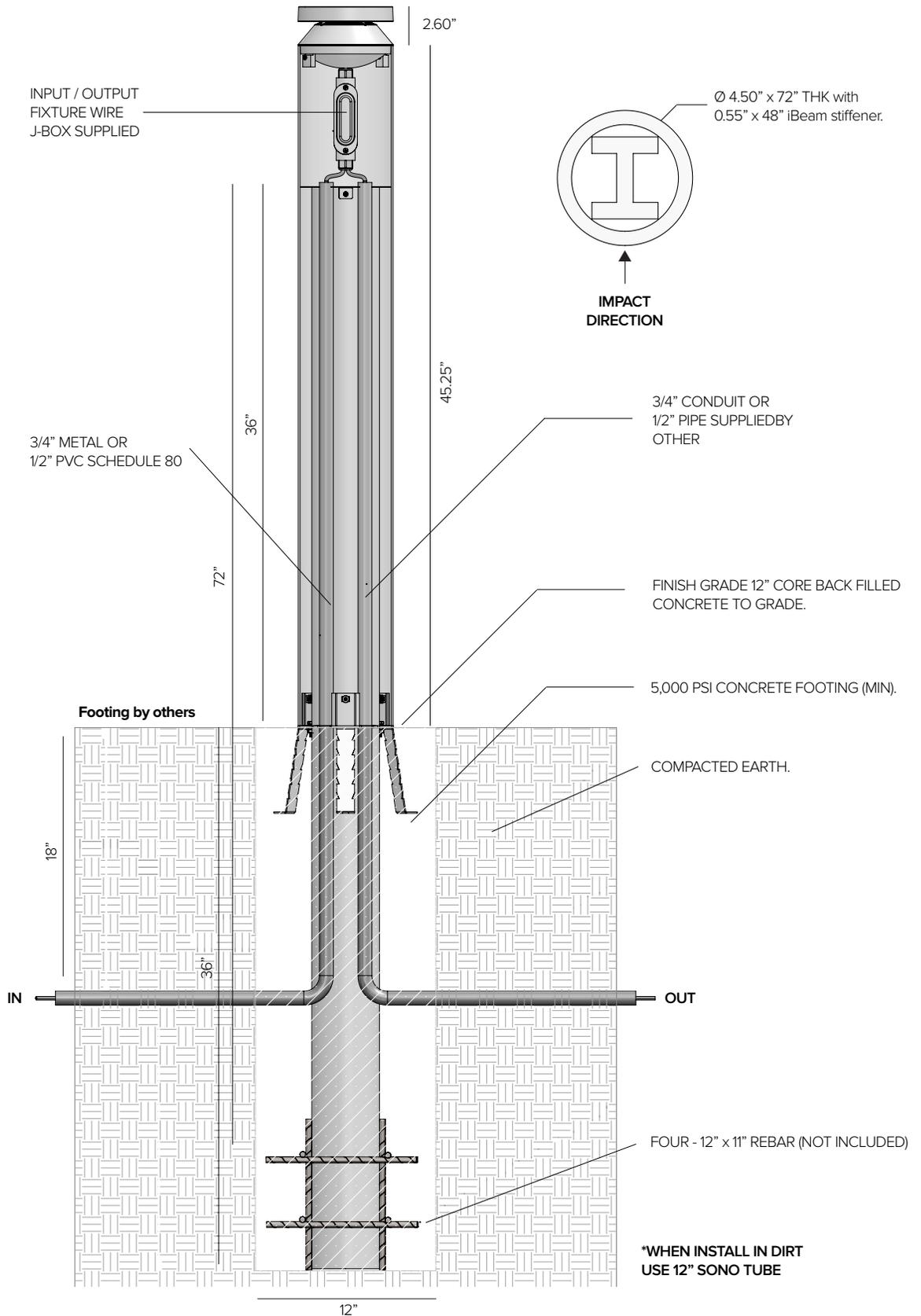
Steel-reinforced pipe designed for core-drill installation and reinforced internal I-beam to ensure structural integrity with hot-dip galvanized finish for enhanced corrosion resistance. **(REQUIRED) Note: ships seperately via freight only, FOB from Farmington Hills Michigan by owner at time of order.**

Part No. **SSP4572**



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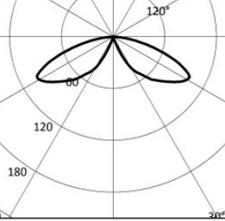
INSTALLATION DIAGRAM

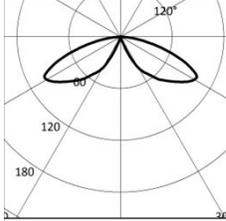


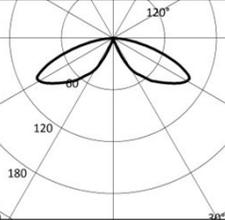
MR. BO IMPACTO

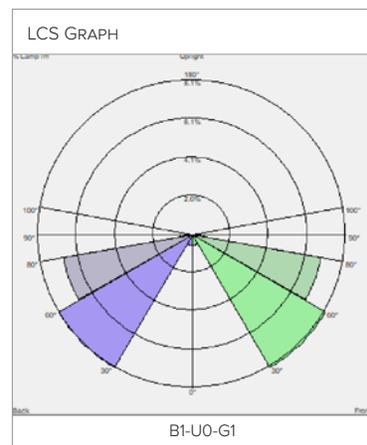
PHOTOMETRY

360° EMISSION

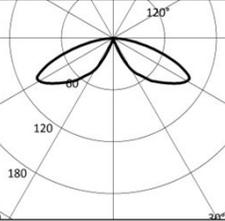
	2700K	H(m)	D(m)	Emax(lx)		
	Ra84		41°			
	Fixture Power	26W	1	2.98	101	
	Source Flux	3570lm	2	5.95	25	
	Fixture Flux	1167lm	3	8.93	11	
	Efficacy	45lm/W	4	11.91	6	
TS1118	I _{max} =100cd/klm	I _{max}	357cd	5	14.88	4

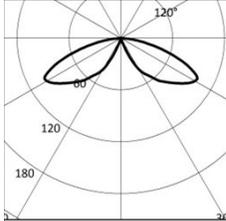
	3000K	H(m)	D(m)	Emax(lx)		
	Ra84		41°			
	Fixture Power	26W	1	2.98	106	
	Source Flux	3723lm	2	5.95	26	
	Fixture Flux	1217lm	3	8.93	12	
	Efficacy	47lm/W	4	11.91	7	
TS1118	I _{max} =100cd/klm	I _{max}	372cd	5	14.88	4

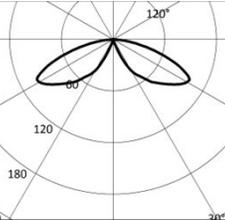
	4000K	H(m)	D(m)	Emax(lx)		
	Ra84		41°			
	Fixture Power	26W	1	2.98	108	
	Source Flux	3817lm	2	5.95	27	
	Fixture Flux	1248lm	3	8.93	12	
	Efficacy	48lm/W	4	11.91	7	
TS1118	I _{max} =100cd/klm	I _{max}	381cd	5	14.88	4

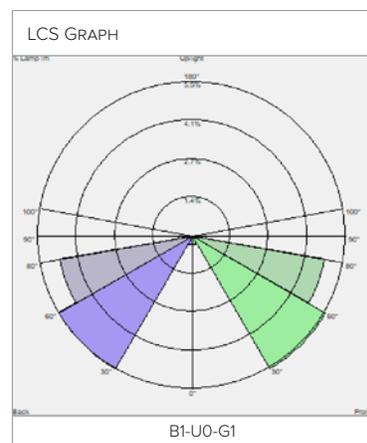


180° EMISSION

	2700K	H(m)	D(m)	Emax(lx)		
	Ra84		41°			
	Fixture Power	18W	1	2.98	76	
	Source Flux	2669lm	2	5.95	19	
	Fixture Flux	873lm	3	8.93	8	
	Efficacy	48lm/W	4	11.91	5	
TS1118	I _{max} =100cd/klm	I _{max}	267cd	5	14.88	3

	3000K	H(m)	D(m)	Emax(lx)		
	Ra84		41°			
	Fixture Power	18W	1	2.98	79	
	Source Flux	2783lm	2	5.95	20	
	Fixture Flux	910lm	3	8.93	9	
	Efficacy	50lm/W	4	11.91	5	
TS1118	I _{max} =100cd/klm	I _{max}	278cd	5	14.88	3

	4000K	H(m)	D(m)	Emax(lx)		
	Ra84		41°			
	Fixture Power	18W	1	2.98	81	
	Source Flux	2853lm	2	5.95	20	
	Fixture Flux	933lm	3	8.93	9	
	Efficacy	51lm/W	4	11.91	5	
TS1118	I _{max} =100cd/klm	I _{max}	285cd	5	14.88	3



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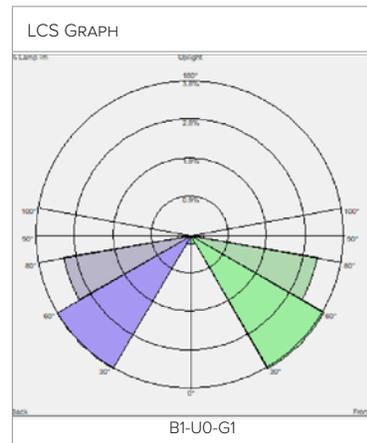
PHOTOMETRY

90° EMISSION

	2700K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	40°	76°				
	Fixture Power	14W	1	3.12	3.35	88	
	Source Flux	1950lm	2	6.23	6.71	22	
	Fixture Flux	296lm	3	9.35	10.06	10	
	Efficacy	22lm/W	4	12.46	13.42	6	
TS1120	I _{max} =166cd/klm	I _{max}	323cd	5	15.58	16.77	4

	3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	40°	76°				
	Fixture Power	14W	1	3.12	3.35	92	
	Source Flux	2034lm	2	6.23	6.71	23	
	Fixture Flux	309lm	3	9.35	10.06	10	
	Efficacy	23lm/W	4	12.46	13.42	6	
TS1120	I _{max} =166cd/klm	I _{max}	337cd	5	15.58	16.77	4

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	40°	76°				
	Fixture Power	14W	1	3.12	3.35	95	
	Source Flux	2085lm	2	6.23	6.71	24	
	Fixture Flux	317lm	3	9.35	10.06	11	
	Efficacy	23lm/W	4	12.46	13.42	6	
TS1120	I _{max} =166cd/klm	I _{max}	346cd	5	15.58	16.77	4



90° + 90° EMISSION

	2700K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra84	40°	76°				
	Fixture Power	18W	1	3.12	3.35		
	Source Flux	2669lm	2	6.23	6.71		
	Fixture Flux	598lm	3	9.35	10.06		
	Efficacy	33lm/W	4	12.46	13.42		
TS1121	I _{max} =122cd/klm	I _{max}	324cd	5	15.58	16.77	4

	3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra84	40°	76°				
	Fixture Power	18W	1	3.12	3.35		
	Source Flux	2783lm	2	6.23	6.71		
	Fixture Flux	623lm	3	9.35	10.06		
	Efficacy	34lm/W	4	12.46	13.42		
TS1121	I _{max} =122cd/klm	I _{max}	338cd	5	15.58	16.77	4

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra84	40°	76°				
	Fixture Power	18W	1	3.12	3.35		
	Source Flux	2853lm	2	6.23	6.71		
	Fixture Flux	639lm	3	9.35	10.06		
	Efficacy	35lm/W	4	12.46	13.42		
TS1121	I _{max} =122cd/klm	I _{max}	347cd	5	15.58	16.77	4

