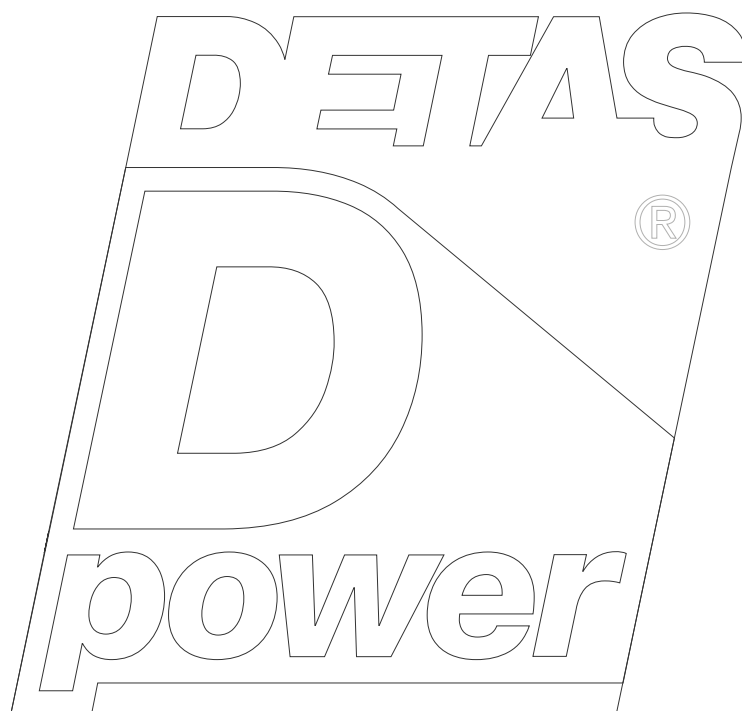


LIGHT & SAFETY





THE D-POWER PRODUCTION IS BASICALLY DIVIDED IN THREE GROUPS OF PRODUCTS: ROAD WORK WARNING LIGHTS, SAFETY DEVICES FOR DANGEROUS AND FATAL POINTS ON THE ROADS AND BEACONS AND FLASHERS FOR PRIORITY VEHICLES. OUR RANGE OF PRODUCTS INCLUDES ALSO OUTDOOR LED LIGHTS SOLUTIONS, FROM LED STREETLIGHTS TO ADVERTISING SIGNS.

THE TECHNOLOGIES WE EMPLOYED REPRESENT THE STATE OF MOST ADVANCED TECHNIQUE IN THIS INDUSTRY. THIS IS CONFIRMED BY THE **OFFICIAL ACKNOWLEDGMENTS** FROM PART OF THE INSTITUTIONS. NEARLY THE TOTALITY OF OUR PRODUCTS IS CARRYING THE **CERTIFICATION IN THE HIGHEST CLASSES OF THE EUROPEAN STANDARD EN12352**, WHICH IS A GUARANTEE OF QUALITY, RELIABILITY AND SAFETY.

THE TECHNOLOGICAL DEVELOPMENT OF RECENT YEARS IN THE SEMICONDUCTOR INDUSTRY IT HAS ALLOWED US TO INCREASE THE RANGE OF **LED PRODUCTS RESULTING ADVANTAGES IN TERMS OF CONSUMPTION AND DURATION**. THE NEW LIMIT THAT WE HAVE ACHIEVED AND THAT REPRESENTED A REAL CHALLENGE AT THE BEGINNING, HAVE MADE POSSIBLE TO PROTECT THE ROAD WORK ZONE WORKERS AND AT THE SAME TIME TO ALERT THE DRIVERS ABOUT A POSSIBLE DANGER SITUATION USING RENEWABLE ENERGY.

THIS CATALOGUE IS A "SHORT FORM" VERSION. WE INVITE OUR CUSTOMERS TO VISIT REGULARLY OUR WEBSITE **WWW.D-POWER.COM** WHERE THEY WILL HAVE THE OPPORTUNITY TO BE UPDATED ABOUT THE LATEST NEWS OF OUR PRODUCTS.





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TRAFFIC CONTROL EQUIPMENT - WARNING AND SAFETY LIGHT DEVICES

SCOPE AND APPLICATIONS

THIS EUROPEAN STANDARD SPECIFIES THE REQUIREMENTS FOR INDIVIDUAL ELECTRICALLY OPERATED LIGHT DEVICES, CALLED WARNING LIGHTS, EMITTING A CONTINUOUS OR REGULAR INTERMITTENT LIGHT OF A SINGLE COLOUR WHICH, BY THEIR COLOUR AND POSITION ALONE, ARE USED TO WARN, INFORM OR GUIDE ROAD USERS. IT SPECIFIES THE REQUIREMENTS FOR VISUAL, STRUCTURAL AND OPERATIONAL PERFORMANCE AND THE RELEVANT TEST METHODS TO BE USED.

THIS EUROPEAN STANDARD IS NOT APPLICABLE TO LIGHTING DEVICES, WHICH CONVEY MESSAGES BY ADDITIONAL MEANS (E.G. VARIABLE

MESSAGE SIGNS) OR WHICH CONVEY A MANDATORY INSTRUCTION (E.G. TRAFFIC SIGNALS) OR WHICH ARE COVERED BY VEHICLE LIGHTING REGULATIONS.

BELOW YOU WILL FIND A TABLE WITH THE MOST RELEVANT CLASSES OF THE NORM THAT COVERS MOST OF THE APPLICATIONS, PERMANENT OR TEMPORARY, USED IN THE EUROPEAN UNION.

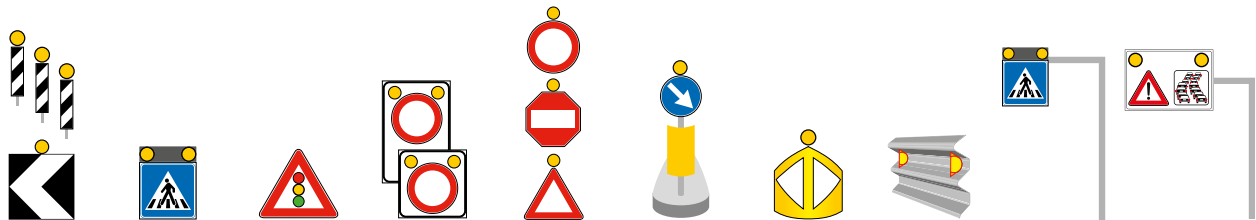
IN THE NEXT PAGE WE PRESENT A GUIDE THAT CAN HELP CHOOSING THE PROPER LED LIGHT IN DIFFERENT SITUATIONS.

THIS GUIDE IS NOT AN OFFICIAL TRANSPOSITION OF THE NORM BUT IT IS TO BE CONSIDERED A RECOMMENDATION BASED ON OUR EXPERIENCE AND THE OFFICIAL TRANSPOSITIONS OF SOME COUNTRY OF THE EUROPEAN UNION.

LUMINOUS INTENSITY - LELEVANT CLASSES

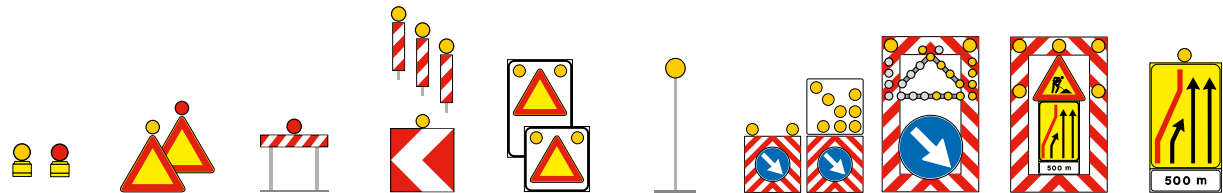
CLASS	AREA OF LIGHT EMITTING SURFACE [CM²]	MIN. DIAMETER OF LIGHT EMISSION [MM]	ANGLE RANGES		LUMINOUS INTENSITY (DAY)		LUMINOUS INTENSITY (NIGHT)
			HORIZONTAL	VERTICAL	MIN. [CD]	MAX. [CD]	DIM TO
L2H	≥18	48	+7° ... -7°	+5° ... -5°	150	1500	35 %
L6	≥2X250	178.5	+10° ... -10°	+5° ... -5°	10	100	35 %
L7	≥250	178.5	+10° ... -10°	+5° ... -5°	20	100	35 %
L8G	≥250	178.5	+7.5° ... -7.5°	+5° ... -5°	25	100	35 %
L8M	≥250	178.5	+7.5° ... -7.5°	+5° ... -5°	500	1500	35 %
L8H	≥250	178.5	+7.5° ... -7.5°	+5° ... -5°	1500	5000	35 %
L9M	≥700	298.6	+1.5° ... -1.5°	+1.5° ... -1.5°	2000	8000	35 %
L9H	≥700	298.6	+1.5° ... -1.5°	+1.5° ... -1.5°	20000	40000	35 %

FIXED APPLICATIONS



50 URBAN ROADS	CLASS	L8M L8H	L2H L8M	L2H	L8M L8H	L2H L8M	L2H L8M		L2H	L8M L8H	L8M L8H
	LED LIGHT	BASIC 200	BASIC 102 BASIC 201	BASIC 102	BASIC 201	BASIC 200	BASIC 200 BASIC 201		RGR	BASIC 200 BASIC 201	BASIC 201
90 70 SECONDARY ROADS	CLASS	L8M L8H	L8M L8H	L8M L8H	L8M L8H	L8M L8H	L8M L8H	L8M L8H	L2H	L8M L8H	L8M L8H
	LED LIGHT	BASIC 200	BASIC 201	BASIC 201	BASIC 201	BASIC 200	BASIC 200 BASIC 201	BASIC 200 BASIC 201	RGR	BASIC 200 BASIC 201	BASIC 201
130 110 MAIN ROADS AND MOTORWAYS	CLASS	L9M L9H			L9M L9H	L9M L9H		L9M L9H	L2H		L9M L9H
	LED LIGHT	BASIC 302			BASIC 304	BASIC 302		BASIC 302	RGR		BASIC 304

TEMPORARY
ROAD WORK ZONE
APPLICATIONS



50 URBAN ROADS	CLASS	L6 L7	L6 L7	L6 L7	L8H L8M	L8H L8M		L8H L8M			
	LED LIGHT	D-STAR	D-STAR	D-STAR	BASIC 210	BASIC 211		BASIC 211			
90 70 SECONDARY ROADS	CLASS	L6 L7 L8G *	L6 L7 L8G/M *	L6 L7	L8H L8M	L8H L8M	L8H L8M	L8H L8M	2 X L9M 23 X L8H	2 X L9M 3 X L9H	L8H L8M
	LED LIGHT	D-STAR	D-STAR BASIC 210	D-STAR	BASIC 210	BASIC 211	BASIC 210	BASIC 211	BASIC 211 BASIC 304	BASIC 304	BASIC 210 BASIC 211
130 110 MAIN ROADS AND MOTORWAYS	CLASS	L6 L7 L8G *	L6 L7 L8G/M *	L6 L7	L8H L8M	L8H L8M	L9M L9H	L8H L9M L9H	2 X L9M 23 X L8H	2 X L9M 3 X L9H	L8H L8M L9H L9M
	LED LIGHT	D-STAR	D-STAR BASIC 210	D-STAR	BASIC 210	BASIC 211	BASIC 302	BASIC 211 BASIC 304	BASIC 211 BASIC 304	BASIC 304	BASIC 210 BASIC 211 BASIC 304

* ONLY YELLOW

LIGHTING AND SIGNALLING DESIGN OF PEDESTRIAN CROSSINGS

SCOPE AND APPLICATION

THIS TECHNICAL SPECIFICATION PROVIDES THE GUIDELINES TO CORRECTLY DESIGN THE LIGHTING OF PEDESTRIAN CROSSINGS ON MOTOR VEHICLE ROADS IN APPLICATION OF EN13201 AND UNI 160351.

TERMS AND DEFINITIONS

WAITING AREA

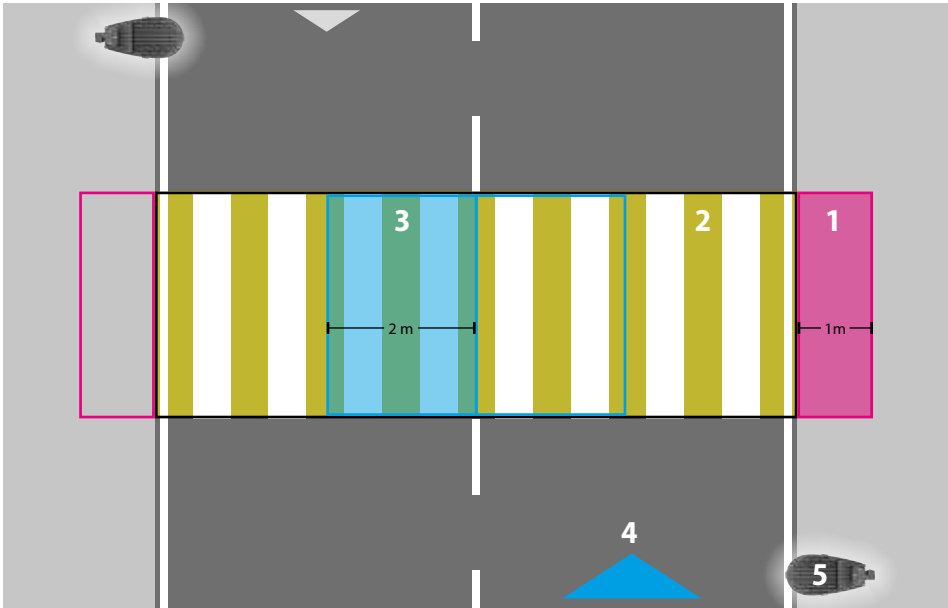
LIMITED AREA NEXT TO THE TRAFFIC LANES WHERE PEDESTRIANS STAND BEFORE CROSSING. TYPICALLY THE WAITING AREA IS A PORTION OF THE SIDEWALK.

CROSSING AREA

TRANSVERSAL PORTION OF THE ROAD WHERE PEDESTRIANS WALK WHEN CROSSING. THIS AREA IS IDENTIFIED BY THE WHITE STRIPES.

TRANSITION ZONE

PORTION OF THE CROSSING AREA OF TWO-WAY ROADS, LOCATED IN THE OPPOSITE TRAVEL DIRECTION LANE, WHERE A PEDESTRIAN THAT IS ALREADY CROSSING THE ROAD MUST START TO BE VISIBLE TO INCOMING TRAFFIC.



THE DIFFERENT AREAS FOR THE RIGHT TRAFFIC DIRECTION ARE HIGHLIGHTED ABOVE:

- 1. WAITING AREA
- 2. CROSSING AREA
- 3. TRANSITION ZONE
- 4. TRAFFIC LANE
- 5. LED STREETLIGHT

ROAD CLASS (EN13201)	LIGHTING CLASSES OF THE PEDESTRIAN CROSSINGS
M1	-
M2	EV1 (50 LUX MIN.)
M3	EV2 (30 LUX MIN.)
M4	EV2 (30 LUX MIN.)
M5	EV3 (10 LUX MIN.)
M6	EV3 (10 LUX MIN.)

CALCULATION GRID

THE CALCULATION GRID CONSISTS IN A SERIES OF POINTS ALONG THE TRANSVERSAL AXIS OF THE ROAD PASSING THROUGH THE CENTER OF THE PEDESTRIAN CROSSING WHICH HAVE A CONSTANT DISTANCE NOT EXCEEDING 1m, ALL POINTS ARE ON A PLANE AT A HEIGHT OF 1m FROM THE ROAD LEVEL.

FOUR (4) ADDITIONAL POINTS SHALL BE PLACED AT THE EDGES OF THE MEASURING AREA, TWO (2) AT THE OUTER LIMITS OF THE WAITING AREA AND TWO (2) AT THE OUTER LIMITS OF THE TRANSITION ZONE.

ALL THESE POINTS ARE MEASURING VERTICAL ILLUMINANCE AND SHALL BE ORIENTED TOWARDS THE INCOMING TRAFFIC.

THE VERTICAL ILLUMINANCE MEASURED ON THE WHOLE AXIS OF THE CROSSING, SHALL BE GREATER THAN THE APPLICABLE EV CLASS.

TO ENSURE UNIFORMITY, THE VERTICAL ILLUMINANCE MEASURED ON THE FOUR (4) POINTS AT THE EDGES OF THE MEASURING AREA SHALL BE 15% OR GREATER OF THE APPLICABLE EV CLASS.

MEASURING AREA

TWO-WAY ROADS

STARTS FROM THE OUTER LIMITS OF THE WAITING AREA AND EXTENDS TO THE OUTER LIMITS OF THE TRANSITION ZONE. ONE TRAFFIC DIRECTION IS CONSIDERED FOR EVALUATION.

ONE-WAY ROADS

STARTS FROM THE OUTER RIGHT LIMITS OF ONE WAITING AREA AND EXTENDS TO THE OUTER LEFT LIMITS OF THE OTHER WAITING AREA.

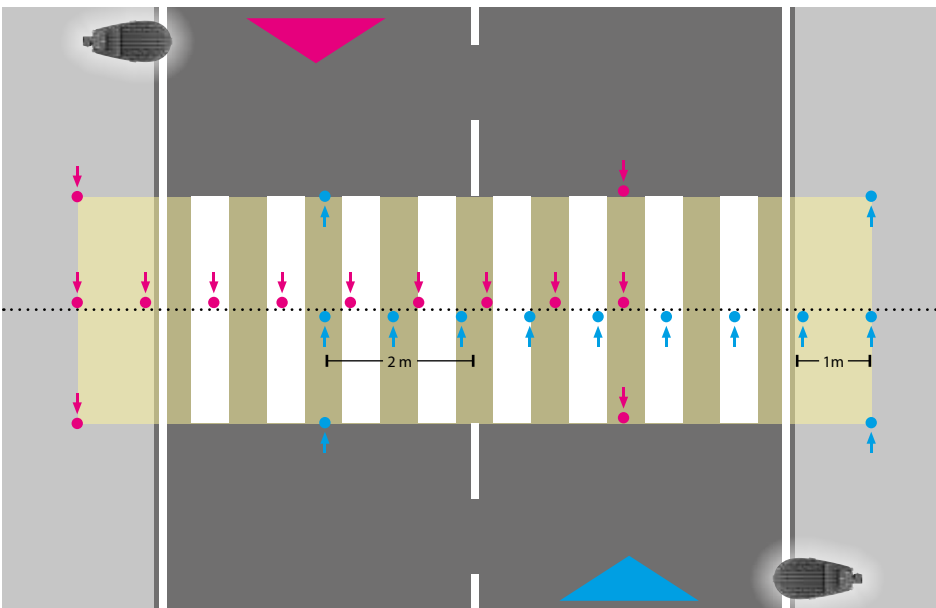
DYNAMIC LIGHTING

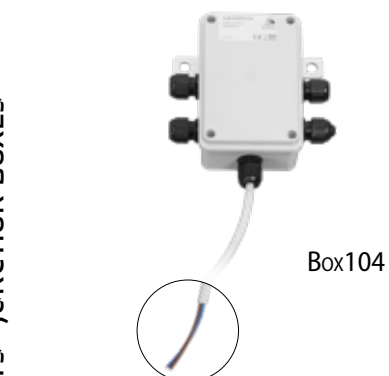
IN CASE INTERACTIVE SYSTEMS ARE INSTALLED, THE PEDESTRIAN CROSSING AND ITS USERS MAY BE MORE VISIBLE IF THE LIGHTING LEVEL IS INCREASED WHEN THEY ARE CROSSING. AT LEAST ONE (1) LIGHTING CLASS INCREASE FROM THE STANDBY MODE IS REQUESTED. IF THE STANDBY REQUIREMENT IS ALREADY EV1, A MINIMUM INCREASE OF 50% IS REQUESTED.

WARNING AND SAFETY LIGHT DEVICES

ACTIVE SAFETY DEVICES ARE ANOTHER WAY TO INCREASE THE VISIBILITY OF PEDESTRIAN CROSSINGS ESPECIALLY DURING THE DAY

- BACKLIT SIGNS MINIMUM CLASS L2 ACCORDING TO EN 12899-1
- FLASHING LIGHTS MINIMUM CLASS L8M (WITH 90x90 CM SIGNS) OR L2H (WITH 60x60 CM SIGNS) ACCORDING TO EN 12352.





Box104


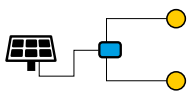

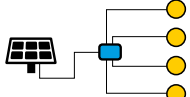

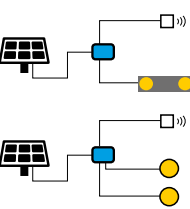

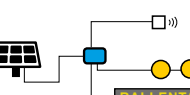

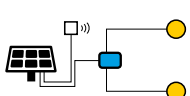

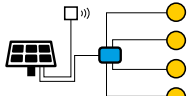

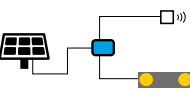

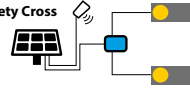

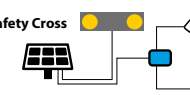


Box115

Legenda:											
Photovolt. kit	BOX	Control unit	Cabinet	LED light	RGR	Marker	LED BOX	Sensor	Radar	Push button	Display

JUNCTION BOXES / BY-PASS				SUITABLE FOR:
BOX100		JUNCTION BOX 2 OUT		ALL BASIC LED LIGHTS WITH EXTERNAL CONTROL
BOX104		JUNCTION BOX 3-4 OUT		ALL BASIC LED LIGHTS WITH EXTERNAL CONTROL
BOX303		UNCTION BOX 2/3 OUT, TH392, IP68, WITH CAP		KRONOS SIDE 25
BOX106		CONVERSION BOX FROM STANDARD POWER SUPPLY KIT TO BY-PASS FOR SAFETY RADAR		RADAR LC INDICATOR FLAT 3/ PLUS/VARIO TEMPOFLASH DOUBLE SYSTEM
BOX115		JUNCTION BOX FOR SEQUENCE CENTRAL POWER SUPPLY WITH THB.384 CONNECTORS		LED LIGHTS SEQUENCES BASIC 210
BOX137		BY-PASS BOX WITH DIODE, SEQUENCE LIGHT APPLICATION WITH MULTIPLE POWER SUPPLY		SEQUENCE LIGHTS SYSTEM WITH MULTIPLE POWER SUPPLY
BOXES FOR SEQUENCES				SUITABLE FOR:
BOX113		CONTROL UNIT FOR SEQUENCE CE011, 10 TH , WITH NIGHT DIMMING 12/24VDC		ALL BASIC LED LIGHTS WITH EXTERNAL CONTROL AND RGR MARKER
BOX114		CONTROL UNIT FOR SEQUENCE CE011, 10 TH , WITHOUT NIGHT DIMMING 12/24VDC		KRONOS SIDE 25
BOX118		CONTROL UNIT FOR SEQUENCE CE011, 10 TH , WITH NIGHT DIMMING, 12/24VDC, GUIDING LIGHT		ALL BASIC LED LIGHTS WITH EXTERNAL CONTROL AND SINGLE LEDBOX

CONTROL UNITS - JUNCTION BOXES

BOXES FOR FIXED DEVICES				SUITABLE FOR:
BOX108		CONTROL UNIT FOR DOUBLE SYNC. FLASHLED NIGHT DIMMING 12-24VDC		ALL BASIC LED LIGHTS WITH EXTERNAL CONTROL
BOX109		CONTROL UNIT FOR TRIPLE/ QUADRUPLE SYNC. FLASHLED NIGHT DIMMING 12-24VDC		ALL BASIC LED LIGHTS WITH EXTERNAL CONTROL
BOX124		CONVERSION BOX FROM STANDARD POWER SUPPLY KIT TO BY-PASS FOR SAFETY RADAR (EXTERNAL CONTROL DEVICES) WITH M16 CABLE GLAND FOR INPUT LED LIGHTS		ALL BASIC LED LIGHTS WITH EXTERNAL CONTROL
BOX129		CONTROL UNIT WITH L50 FLASH 20%, NIGHT DIMMING, 12 VDC CONN.F 4P FOR SENSOR, 2XF 2P FOR INPUT LED LIGHTS		SAFETY RADAR WITH DISPLAY "SLOW DOWN" + BASIC 998342 SAFETY RADAR WITH DISPLAY "SLOW DOWN" + CUP
BOX116		CONTROL UNIT FOR DOUBLE SYNC. FLASHLED NIGHT DIMMING 12-24VDC WITH RADAR CONNECTOR		ALL BASIC LED LIGHTS WITH EXTERNAL CONTROL + 4P CONNECTOR ON POWER SUPPLY
BOX117		CONTROL UNIT FOR TRIPLE/ QUADRUPLE SYNC. FLASHLED NIGHT DIMMING 12-24VDC WITH RADAR CONNECTOR		ALL BASIC LED LIGHTS WITH EXTERNAL CONTROL + 4P CONNECTOR ON POWER SUPPLY
BOX119		CONVERSION BOX FROM STANDARD POWER SUPPLY KIT TO BY-PASS FOR SAFETY RADAR (EXTERNAL CONTROL DEVICES)		ALL BASIC LED LIGHTS WITH EXTERNAL CONTROL WITH 4P CONNECTOR
BOX111		SPLITTER BOX FOR LEDBOX WITH CONNECTORS FOR SAFETY CROSS		SAFETY CROSS
BOX102		SPLITTER BOX FOR SENSOR/PUSH BUTTON WITH CONNECTORS FOR SAFETY CROSS		SAFETY CROSS



Box108



Box111



LED LIGHTS

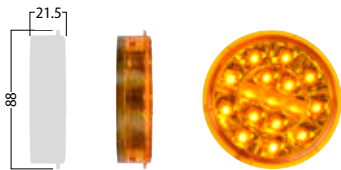


BASIC 80 AND BASIC 102 ARE LED WARNING LIGHTS FOR FIXED OR TEMPORARY USE ESPECIALLY APPROPRIATE WHEN REDUCED DIMENSION IS NEEDED.

THEY ARE AVAILABLE ONLY WITH EXTERNAL CONTROL AND THEY ARE SUITABLE FOR ALL THE APPLICATION WHERE THERE IS A NEED TO WARN, INFORM OR GUIDE ROAD USERS.



ADAPTER FOR BASIC 80

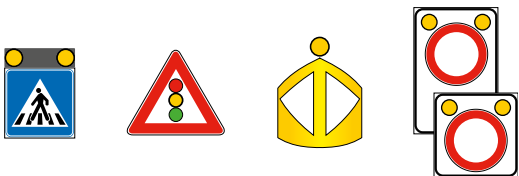


CERTIFICATION	EN12352 - L2H
INPUT VOLTAGE	12 VDC - 24 VDC
LED COLOUR	● ○ ●
MAX. POWER CONSUMPTION	4.8 W
DIMENSIONS	Ø 88 X 21.5 MM

FLASHING	POWER CONS. @12V
SINGLE FL	0.65 AH /DAY
DOUBLE FL	1.3 AH /DAY
TRIPLE FL	1.95 AH /DAY
QUADRUPLE FL	2.6 AH /DAY

FL (FlashLed) = 10%

SOME EXAMPLES OF APPLICATIONS:



ADAPTER FOR BASIC 102



CERTIFICATION	UNI EN12352 - L2H
INPUT VOLTAGE	12 VDC - 24 VDC
LED COLOUR	● ○ ● ●
MAX. POWER CONSUMPTION	3.8 W
DIMENSIONS	Ø 139 X 19 MM

FLASHING	POWER CONS. @12V
SINGLE FL	0.4 AH /DAY
DOUBLE FL	0.8 AH /DAY
TRIPLE FL	1.2 AH /DAY
QUADRUPLE FL	1.6 AH /DAY

FL (FlashLed) = 10%

BASIC 80



BASIC 102

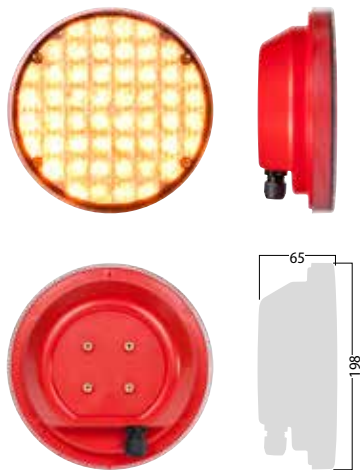
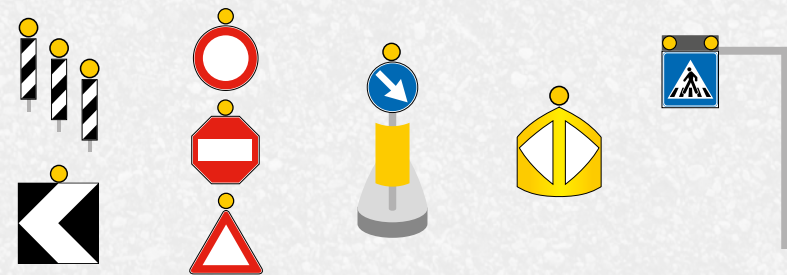


BASIC 200



BASIC 200 is a LED WARNING LIGHT FOR FIXED OR TEMPORARY USE. IT IS AVAILABLE IN DIFFERENT VERSIONS AND IT IS SUITABLE FOR ALL THE APPLICATION WHERE THERE IS A NEED TO WARN, INFORM OR GUIDE ROAD USERS. A HIGH POWER VERSION IS AVAILABLE ON REQUEST.

SOME EXAMPLES OF APPLICATIONS:



CERTIFICATION	EN12352 L8H - L8M
INPUT VOLTAGE	12 VDC - 12/24 VDC
LED COLOUR	● ● ● ● ○
MAX. POWER CONSUMPTION	7.8 W
DIMENSIONS	Ø 198 X 65 MM

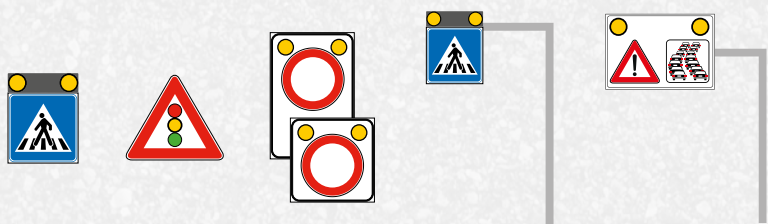
FLASHING	POWER CONSUMPTION @12V	
SINGLE *	5.9 AH	/DAY
SINGLE FL	1.1 AH	/DAY
DOUBLE *	11.8 AH	/DAY
DOUBLE FL	2.2 AH	/DAY

FL (FlashLed) 10% * on time 50%



BASIC 201 is a LED WARNING LIGHT FOR FIXED OR TEMPORARY USE.
IT IS THE FLAT VERSION OF BASIC 200 AND CAN BE EQUIPPED
WITH THE INTEGRATED FLASHING SYSTEM.
IT IS AVAILABLE IN DIFFERENT MODELS AND IT IS SUITABLE FOR ALL THE APPLICATION
WHERE THERE IS A NEED TO WARN, INFORM OR GUIDE ROAD USERS.
A HIGH POWER VERSION IS AVAILABLE ON REQUEST.

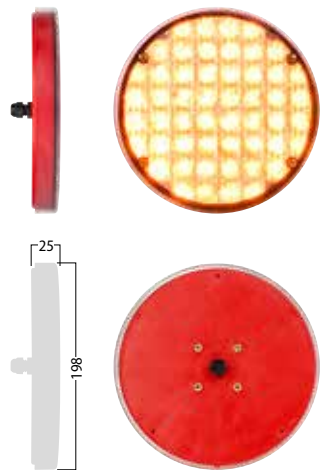
SOME EXAMPLES OF APPLICATIONS:



CERTIFICATION	EN12352 L8H - L8M
INPUT VOLTAGE	12 VDC - 12/24 VDC
LED COLOUR	● ● ● ● ●
MAX. POWER CONSUMPTION	7.8 W
DIMENSIONS	Ø 198 X 25 MM

FLASHING	POWER CONSUMPTION @12V	
SINGLE *	5.9 AH	/DAY
SINGLE FL	1.1 AH	/DAY
DOUBLE *	11.8 AH	/DAY
DOUBLE FL	2.2 AH	/DAY

FL (FlashLed) 10% * on time 50%



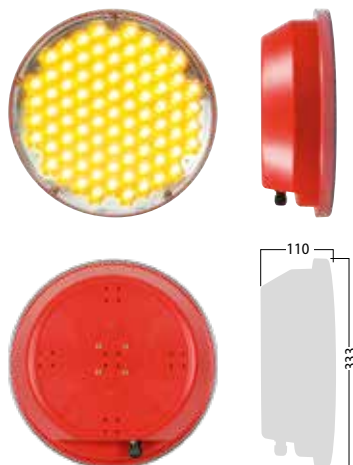
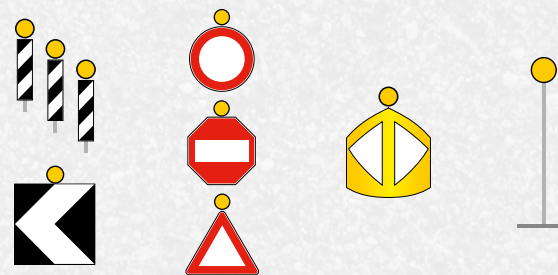
BASIC 302



BASIC 302 is a LED WARNING LIGHT FOR FIXED OR TEMPORARY USE.

THE HIGH LUMINOUS EFFICIENCY, THE UNIFORMITY AND THE WIDE VISUAL ANGLES, MAKE THIS PRODUCT THE BEST IN ITS CATEGORY.

SOME EXAMPLES OF APPLICATIONS:



CERTIFICATION	EN12352 L9H - L9M
INPUT VOLTAGE	12 VDC - 12/24 VDC
LED COLOUR	● ● ●
MAX. POWER CONSUMPTION	17.5 W
DIMENSIONS	Ø 333 X 110 MM

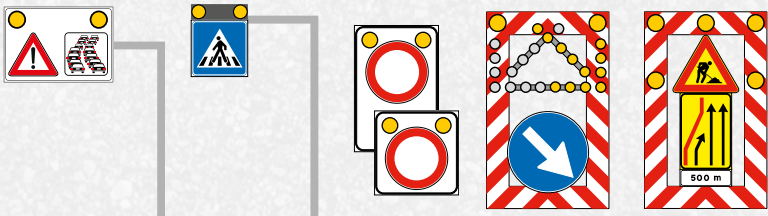
FLASHING	POWER CONSUMPTION @12V	
SINGLE*	11 AH	/DAY
SINGLE FL	2.2 AH	/DAY
DOUBLE*	22 AH	/DAY
DOUBLE FL	4.4 AH	/DAY

FL (FlashLed) 10% * on time 50%

BASIC 304 IS THE FLAT VERSION OF THE BASIC 302.

THE HIGH LUMINOUS EFFICIENCY, THE UNIFORMITY AND THE WIDE VISUAL ANGLES, MAKE THIS PRODUCT THE BEST IN ITS CATEGORY.

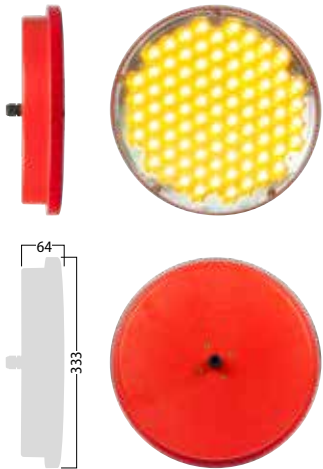
SOME EXAMPLES OF APPLICATIONS:



COMPLIANCE	EN12352 L9H - L9M
INPUT VOLTAGE	12 VDC - 12/24 VDC
LED COLOUR	● ● ●
MAX. POWER CONSUMPTION	
DIMENSIONS	Ø 333 X 64 MM

FLASHING	POWER CONSUMPTION @12V	
SINGLE*	11 AH	/DAY
SINGLE FL	2.2 AH	/DAY
DOUBLE*	22 AH	/DAY
DOUBLE FL	4.4 AH	/DAY

FL (FlashLed) 10% * on time 50%






LED TRAFFIC LIGHTS

LED TRAFFIC LIGHTS



THE RECENT LED TECHNOLOGY IMPROVEMENT HAS BEEN ADAPTED BY LATEST LED TRAFFIC LIGHTS.

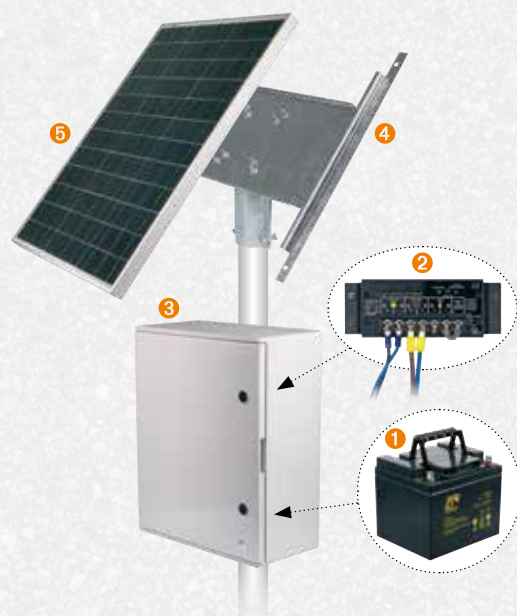
IN COMPLIANCE WITH EUROPEAN STANDARD **EN12368** AND WITH VERY LOW POWER CONSUMPTION, THE CUSTOMER CAN OBTAIN A BETTER VISUAL SAFETY, A HIGHER ENERGY SAVING AND A LONG LIFE WITH NO MAINTENANCE.

CE CERTIFICATION	EN12368	
INPUT VOLTAGE	12 VDC	230 VAC
LED COLOUR	  	
POWER CONSUMPTION @12 VDC	2 W	
DIMENSIONS	Ø 200 / 300 MM	



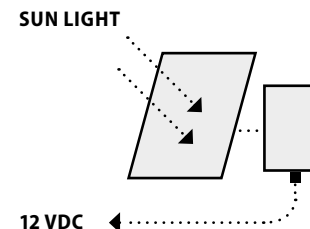
FIXED DEVICES





STAND-ALONE PHOTOVOLTAIC KITS TO PROVIDE POWER TO THE DEVICES THROUGHOUT THE YEAR. OUR TECHNICAL DEPARTMENT WILL CHOOSE THE BEST SOLUTION FOR EACH INSTALLATION.

- ① AGM BATTERY SPECIFICALLY DESIGNED FOR PHOTOVOLTAIC SYSTEM
- ② CHARGING REGULATOR
- ③ CABINET
- ④ MOUNTING PLATE
- ⑤ PHOTOVOLTAIC MODUL

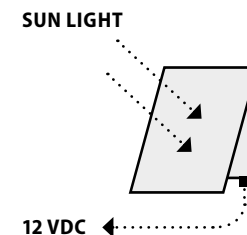


MODULE	BATTERY	MOUNTING PLATE
50 W	45AH	Ø 60 - Ø 90
100 W	90 AH	Ø 60 - Ø 90
140 W	90 AH	Ø 90



STAND-ALONE COMPACT PHOTOVOLTAIC KITS IDEAL FOR APPLICATION WHERE IS NOT POSSIBLE TO USE AN EXTERNAL BOX.

OUR TECHNICAL DEPARTMENT WILL CHOOSE THE BEST SOLUTION FOR EACH INSTALLATION.

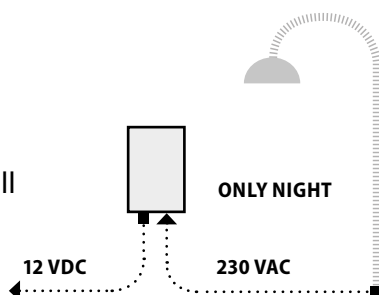


MODULE	BATTERY	MOUNTING PLATE
10 W	12 AH	Ø 60 - Ø 90
20 W	18 AH	Ø 60 - Ø 90
50 W	25 AH	Ø 90



POWER SUPPLY KIT FROM PUBLIC LIGHTING WITH A BATTERY
TO PROVIDE POWER TO THE DEVICES DURING DAYTIME.

- 1 BACK-UP BATTERY
- 2 POWER SUPPLY SWITCH MODE CLASS II
- 3 CABINET

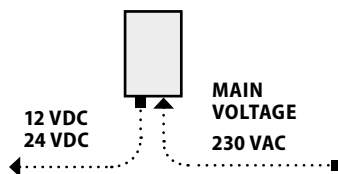


POWER SUPPLY - BATTERY	DIMENSIONS
230 VAC/12 VDC, 2.5 A 18 AH CLASS II	28 X 36 X 11 CM
230 VAC/12 VDC, 2.5 A 7 AH CLASS II	24 X 28 X 10 CM



POWER SUPPLY KIT 230 V, IN BOX IP56, FOR
ALL DEVICES, AVAILABLE IN CLASS II, SUITABLE
TO PROVIDE ENERGY FOR FIXED DEVICES.

- 2 POWER SUPPLY SWITCH MODE
- 3 BOX

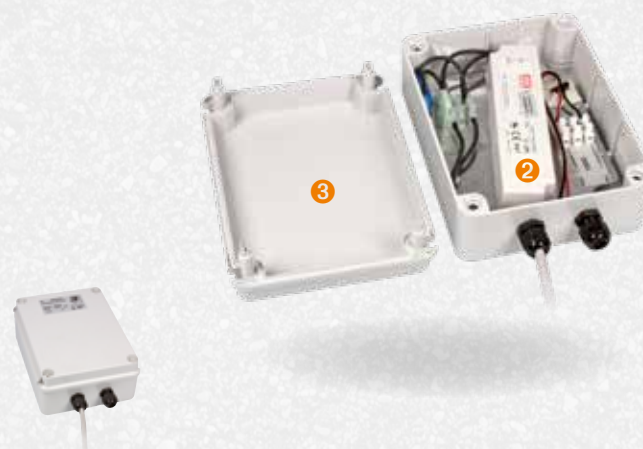


POWER SUPPLY	DIMENSIONS
230 VAC/12 VDC, 2 A CLASS II - IP56	15.5 X 20 X 8 CM
230 VAC/12 VDC, 3.5 A CLASS II - IP56	
230 VAC/24 VDC, 1.75 A CLASS II - IP56	

POWER SUPPLY / BATTERY KITS



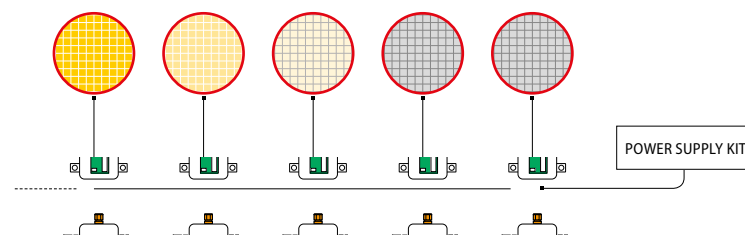
POWER SUPPLY KITS







BASIC SEQUENCES

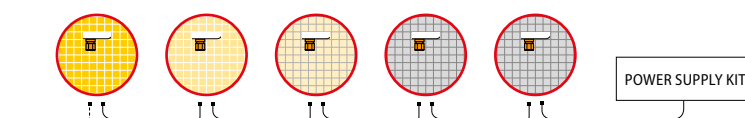


SEQUENCE LIGHTS SYSTEMS WITH CABLE.
EN12352 CERTIFIED LED LIGHTS.
 SUPPLIED WITH M16 - M20 CABLE GLANDS.



LED LIGHTS FOR SEQUENTIAL SYSTEMS WITH EXTERNAL CONTROL.

CERTIFICATION	EN12352	L8H (BASIC 200)) L9M (BASIC 302)	
LED COLOUR			
SEQUENCE TYPE	AUTO-CONFIG.	INPUT VOLTAGE	12/24 VDC (BASIC 302) 12 VDC (BASIC 200)
POWERED BY	 POWER SUPPLY KIT	 POWER SUPPLY/ BATTERY KIT	 PHOTOVOLTAIC KIT



LED LIGHTS FOR CE011 SEQUENTIAL SYSTEMS WITH POLE BRACKET.

SEQUENCE LIGHTS SYSTEM WITH WIRELESS RADIO TECHNOLOGY.

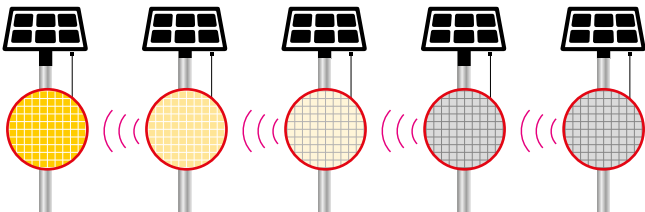
READY TO MOUNT.



EN12352 CERTIFIED LED LIGHTS.

MIN. DISTANCE BETWEEN LIGHTS 1 M, MAX. 80 M.

NO LIGHTS LIMIT.

SYNCHRONOUS FLASHING ALSO AVAILABLE.

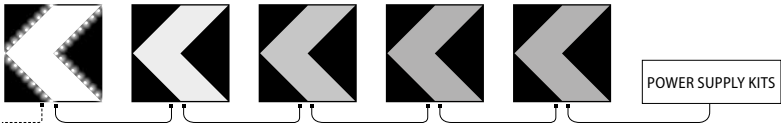





CERTIFICATION	EN12352	L8H (BASIC 200)) L9M (BASIC 302)	
LED COLOUR			
SEQUENCE TYPE	AUTO-CONFIG.	INPUT VOLTAGE	12 VDC
POWERED BY		PHOTOVOLTAIC KIT	10 W (BASIC200) 20 W (BASIC302)

LED SEQUENTIAL CHEVRON.

ALUMINIUM ENCLOSURE PAINTED WITH EPOXY.

ALSO AVAILABLE WITH BACKLIT SIGN.

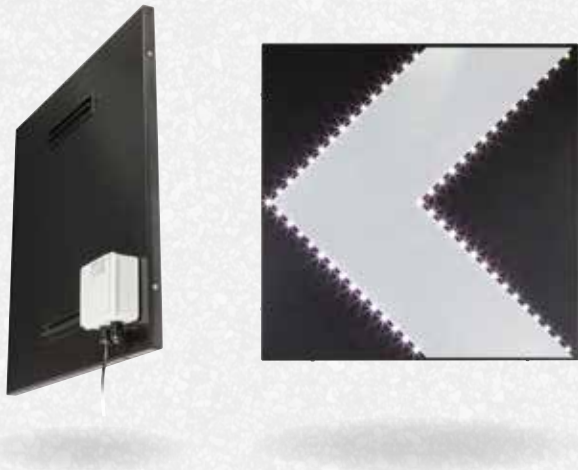


DIMENSIONS	60 X 60 CM	90 X 90 CM	
LED COLOUR	○	+ DIAMOND GRADE FILM	
SEQUENCE TYPE	AUTO-CONFIG.	INPUT VOLTAGE	12 VDC
POWERED BY	<div></div> <div>POWER SUPPLY KIT</div>	<div></div> <div>POWER SUPPLY KIT/ BATTERY</div>	<div></div> <div>PHOTOVOLTAIC KIT</div>

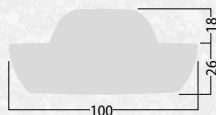
D-SOLAR RADIO



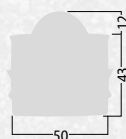
VISUAL LED



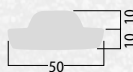
GLASS TOP



MINI GLASS TOP



MICRO GLASS TOP



CARRIAGEABLE



MECHANICAL RESISTANCE: 40 TON

EVEN IF CARRIAGEABLE THE PRODUCT SHOULD BE INSTALLED OUTSIDE OF THE ROADWAY

SELF CLEANING

APPROVED	EN1463-2		
REFLECTION	360°		
MATERIAL	TEMPERED GLASS		
DIMENSIONS	Ø100 MM	DOME HEIGHT	18 MM

CARRIAGEABLE



MECHANICAL RESISTANCE: 18 TON

EVEN IF CARRIAGEABLE THE PRODUCT SHOULD BE INSTALLED OUTSIDE OF THE ROADWAY

SELF CLEANING

CERTIFIED	EN1463-2		
REFLECTION	360°		
MATERIAL	TEMPERED GLASS		
DIMENSIONS	Ø50 MM	DOME HEIGHT	12 MM

THE SMALLEST TEMPERED GLASS ROAD MARKER AVAILABLE ON THE MARKET



MECHANICAL RESISTANCE: 6 TON

THE PRODUCT SHOULD BE INSTALLED OUTSIDE OF THE ROADWAY

SELF CLEANING

COMPLIANCE	EN1463-2		
REFLECTION	360°		
MATERIAL	TEMPERED GLASS		
DIMENSIONS	Ø50 MM	DOME HEIGHT	10 MM

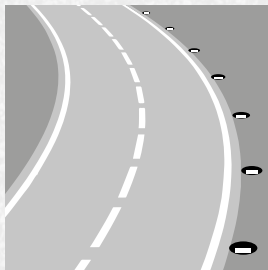
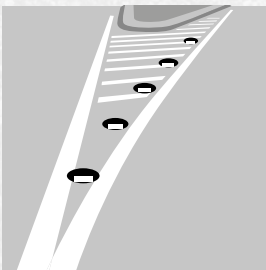
In-pavement High Power LED (>140cd)

CARRIAGEABLE

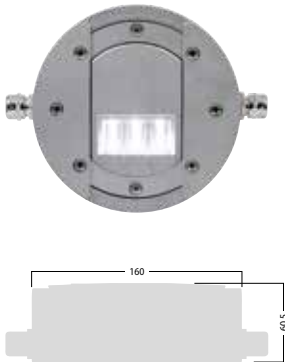
MECHANICAL RESISTANCE: 25 TON



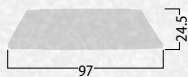
EXAMPLES OF APPLICATIONS:



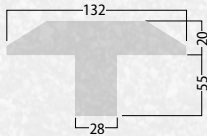
COMPLIANCE	EN1463-3		
LED COLOUR	<div><div></div><div></div><div></div><div></div></div>	PATENTED LED OPTICS	
LIGHT	STEADY	SYNC. FLASHING WITH EXTERNAL FLASHING CONTROL UNIT	SEQUENCE
POWERED BY	11...48 VDC	POWER CONSUMPTION	HP: 5 W LP: 1.5 W
MATERIAL	DIE-CAST ALUMINUM		
DIMENSIONS	Ø160 X 60.5 MM		



SOLAR TOP 24








SOLAR TOP 20



LED PHOTOVOLTAIC ROAD MARKER

NOT CARRIAGEABLE
THE PRODUCT MUST BE INSTALLED OUTSIDE OF THE ROADWAY










COMPLIANCE	EN1463-3		
LED COLOUR	    DOUBLE SIDE		
LIGHT	STEADY	FLASHING	
WORKING	 ONLY NIGHT	STORAGE	NI-MH BATTERY
MATERIAL	DIE-CAST ALUMINUM		
DIMENSIONS	97 X 110 X 24.5 MM		

LED PHOTOVOLTAIC ROAD MARKER

NOT CARRIAGEABLE
THE PRODUCT MUST BE INSTALLED OUTSIDE OF THE ROADWAY




COMPLIANCE	EN1463-3		
LED COLOUR	   SINGLE SIDE	   DOUBLE SIDE	
LIGHT	FLASHING		
WORKING	 ONLY NIGHT	STORAGE	NI-MH BATTERY
MATERIAL	DIE-CAST ALUMINUM		
DIMENSIONS	122 X 132 X 75 MM		

LED PHOTOVOLTAIC ROAD MARKER

NOT CARRIAGEABLE
THE PRODUCT MUST BE INSTALLED OUTSIDE OF THE ROADWAY




COMPLIANCE	EN1463-3		
LED COLOUR	○ ● SINGLE SIDE		
LIGHT	STEADY	FLASHING	
WORKING	 ONLY NIGHT	STORAGE	NI-MH BATTERY
MATERIAL	HIGH-STRENGTH POLYMER		
DIMENSIONS	Ø99 X 33 MM		

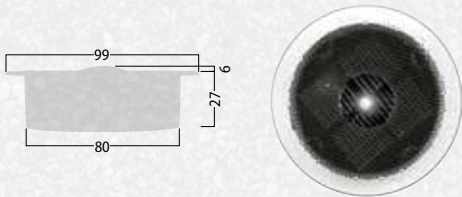
FLUSH MOUNT PHOTOVOLTAIC LED MARKER

MECHANICAL RESISTANCE: 20 T/M²
EVEN IF CARRIAGEABLE THE PRODUCT MUST BE INSTALLED OUTSIDE OF THE ROADWAY

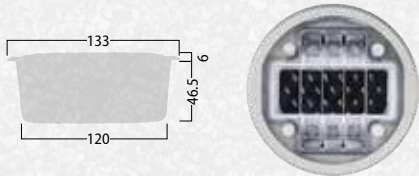


COMPLIANCE	EN1463-3		
LED COLOUR	○ SINGLE SIDE	○○ DOUBLE SIDE	
LIGHT	STEADY	FLASHING	
WORKING	 ONLY NIGHT	STORAGE	NI-MH BATTERY
MATERIAL	DIE-CAST ALUMINUM		
DIMENSIONS	Ø133 X 52.5 MM		

SOLAR TOP 80



SOLAR GROUND 2



SIDE 25

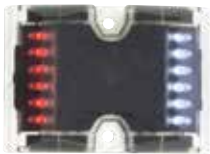


LED MARKER FOR TUNNELS, ROUNDABOUT, DANGEROUS POINT, EDGES, ETC.

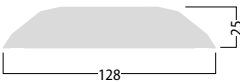
6 HIGH-BRIGHTNESS LEDs EACH SIDE
THE PRODUCT MUST BE INSTALLED OUTSIDE OF THE ROADWAY







EXAMPLES OF APPLICATIONS:



SINGLE SIDE

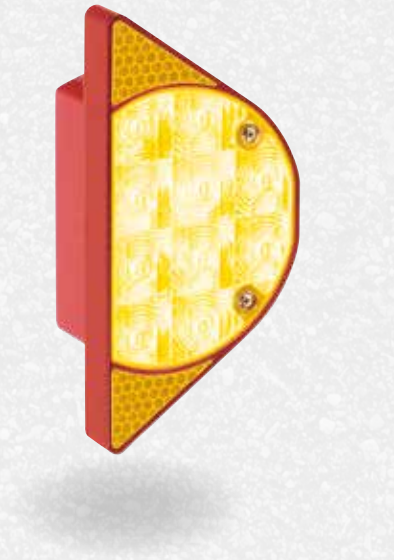
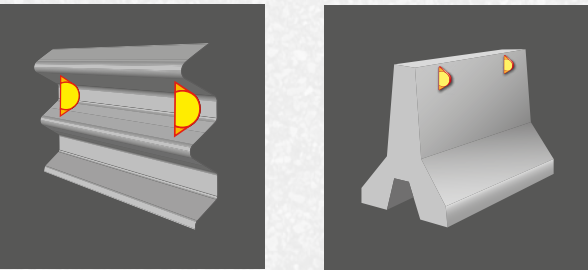


COMPLIANCE	EN1463-3		
LED COLOUR	 SINGLE SIDE	   DOUBLE SIDE	OTHER COLOURS ON REQUEST
LIGHT	STEADY	SYNC. FLASHING WITH EXTERNAL FLASHING CONTROL UNIT	SEQUENCE
POWERED BY	11...48 VDC	MAX. POWER CONSUMPTION	SIGLE SIDE: 0.76 W@48 V DOUBLE SIDE: 1.54 W@48 V
MATERIAL	V0 POLYCARBONATE		
DIMENSIONS	90 X 128 X 25 MM		

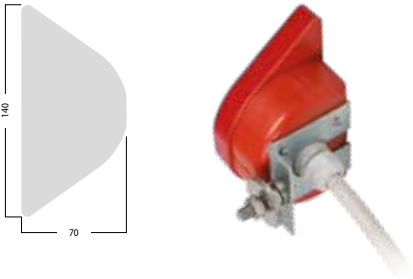
LED MARKER FOR GUARDRAIL.

RGR, THANKS TO ITS HIGH VISIBILITY AND LOW POWER CONSUMPTION, IS AN EXCELLENT SOLUTION FOR DANGEROUS CURVES, MOTORWAY EXITS, TUNNELS AND ALL THE OTHER DANGEROUS SITUATIONS ON THE ROAD. IDEAL FOR ZONES WITH HIGH PRESENCE OF FOG.

EXAMPLES OF APPLICATIONS:



CERTIFIED	EN12352 L2H		
LED COLOUR	<div><div></div><div></div></div>	OTHER COLOURS ON REQUEST	
LIGHT	STEADY	SYNC. FLASHING WITH EXTERNAL FLASHING CONTROL UNIT	SEQUENCE
POWERED BY	18...48 VDC	POWER CONSUMPTION (STEADY LIGHT)	3.84 W@48 V
MATERIAL	ABS		
DIMENSIONS	70 X 140 X 45 MM		



KRONOS



LUMINOUS LED INSERT WITH VERY LOW POWER CONSUMPTION.

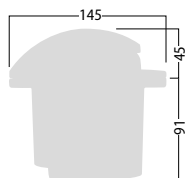
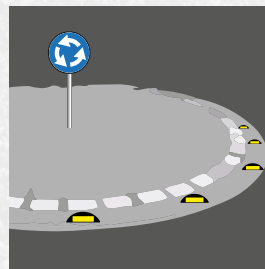
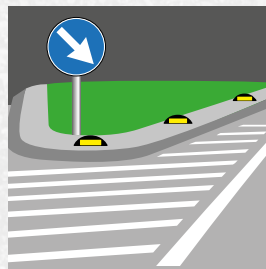
IDEAL FOR CUSPIDAL POINTS, ROUNDABOUTS AND FATAL EDGES.

READY FOR INSTALLATION.

SUITABLE TO PHOTOVOLTAICS.



EXAMPLES OF APPLICATIONS:



LED COLOUR	<div> <div></div> <div></div> </div>	OTHER COLOURS ON REQUEST	
LIGHT	STEADY	SYNC. FLASHING WITH EXTERNAL FLASHING CONTROL UNIT	SEQUENCE
POWERED BY	12 VDC 230 VAC CLASS II	MAX. POWER CONSUMPTION	6 W
MATERIAL	DIE CAST ALUMINUM BODY - PP FORMWORK		
DIMENSIONS	Ø145 X 136 MM	DOME HEIGHT	45 MM

FLASHING CONTROL UNIT FOR ROAD MARKER SERIES.

CONNECTABLE MARKERS	NR. MAX.		
SIDE 25	160	VOLTAGE	12/48 VDC
KRONOS	40	FUNCTIONS	NIGHT DIMMING REMOTE CONTROL
RGR	60	DUTY CICLE	50% 20% <10%
POWERGROUND 2 HP	50	DIMENSIONS	125 X 80 X 50 MM
POWERGROUND 2 LP	220		



ROAD MARKERS

AC-DC DIN RAIL MOUNTABLE POWER SUPPLY.

MODEL	GSA SWD10	GSA SWD20
CERTIFICATION	UL, CUL, TUV, CE	UL, CUL, TUV, CE
INPUT VOLTAGE	115/230 VAC AUTOSWITCH	90...264 VAC
OUTPUT WATTAGE	240 W	480 W
OUTPUT VOLTAGE	48 VDC	48 VDC
OUTPUT CURRENT	5 A	10 A
EFFICIENCY	90%	90%



GSA SWD10



GSA SWD20

SAFETY RADAR



SAFETY RADAR SOLAR BOX

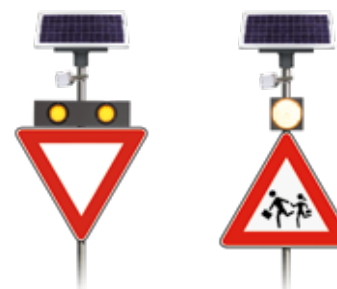


CERTIFIED	BASIC 201	EN12352 L8H
LED COLOUR		
POWERED BY	 POWER SUPPLY KIT	 POWER SUPPLY / BATTERY KIT
		 PHOTOVOLTAIC KIT
RADAR RANGE	RADAR LC: 100 M	RADAR LCL: 200 M

SAFETY RADAR AND SAFETY RADAR SOLAR BOX ARE VERY EFFECTIVE DEVICES FOR SPEED REDUCTION NEARBY CITIES, DANGEROUS POINTS, MOTORWAYS RAMPS, ONE-WAY STREET ETC.

FLASHING LIGHTS SYSTEM WITH DOPPLER RADAR WHICH DETECT THE CAR AND THE SPEED AND SEND A SIGNAL TO THE LIGHTS IF THE LIMIT HAS BEEN EXCEEDED.

EASY RETROFIT OF EXISTING SIGNS.



CERTIFIED	BASIC 201 BASIC 102	UNI EN12352 L8H UNI EN12352 L2H
LED COLOUR		
POWERED BY		PHOTOVOLTAIC KIT 20 W
RADAR RANGE	RADAR LC: 100 M	RADAR LCL: 200 M
LED BOX DIMENSIONS	1 BASIC 201 2 BASIC 102	210 X 210 X 120 MM 600 X 160 X 60 MM

INDICATOR CAM IS A MOBILE TOOL FOR SPEED ENFORCEMENT ON FACTORY PREMISES, SUPPLIED WITH 12V BATTERY.

EXCEEDING THE SPEED LIMIT WILL TRIGGER THE RECORDING OF AN IMAGE SEQUENCE.

THE STORAGE IMAGES CONTAIN TIME AND SPEED INFORMATION.

THESE RECORDS CAN BE RETRIEVED OVER THE FACTORY NETWORK OR DIRECTLY BY E-MAIL.



INDICATOR CAM OFFERS SEVERAL INTERFACES (USB, BLUETOOTH, WI-FI, LAN, HSDPA) TO DOWNLOAD OR TRANSFER THE COLLECTED DATA.

THE CONTROL PANEL ALLOWS THE USER TO CHANGE PARAMETER SETTINGS ON SITE.



02.03.2016 - 11:03:29 / +1000ms - image-sequence 1/3 -
detected speed = 32km/h
Location: Parcheggio 1 - I-25086 Rezzato - ID = 5678



02.03.2016 - 11:03:29 / +1000ms - image-sequence 2/3 -
detected speed = 33km/h
Location: Parcheggio 1 - I-25086 Rezzato - ID = 5678



02.03.2016 - 11:03:29 / +1000ms - image-sequence 3/3 -
detected speed = 35km/h
Location: Parcheggio 1 - I-25086 Rezzato - ID = 5678

INDICATOR VARIO



OPTIONAL



VARIABLE MESSAGE SIGN AVAILABLE WITH OR WITHOUT RADAR DETECTOR.

IDEAL TO WARN, INFORM OR GUIDE ROAD USERS.

TIME SCHEDULED PROGRAMMING.

UP TO 8 IMAGES CAN BE DISPLAYED AT DIFFERENT SETTING SPEEDS.

SPEED VALUES DISPLAYABLE FROM 5 TO 255 KM/H.

SOME EXAMPLES OF VIEWS:



LED COLOUR		
DIGIT HEIGHT MAX.	50 CM	
RESOLUTION	32 X 28 (896 LED)	
POWERED BY	PHOTOVOLTAIC KIT 50 W - 45 AH + 2 BASIC201: 100 W - 90 AH	
	POWER SUPPLY KIT 230 VAC/12 VDC	
	POWER SUPPLY / BATTERY KIT 230 VAC/12 VDC 18 AH BATTERY	
SOFTWARE	INCLUDED / APP ANDROID	
CONNECTION	BLUETOOTH (100M OUTDOOR) RS232	OPTIONAL: EMAIL - GSM - GPRS - GPS
VEHICLE DETECTION	BIDIRECTIONAL (ONLY STATISTIC)	
DIMENSIONS	685 X 720 X 60 MM	

RADAR BASED, IT IS THE IDEAL ACTIVE SIGNAL TO ENCOURAGE SAFE DRIVING IN SCHOOLS’ AREAS, ROAD WORKING ZONES, MOTORWAY INTERSECTIONS, ETC.

ALL THE OPTIONS CAN BE DEACTIVATED ALLOWING TO USE THE DEVICE IN STANDARD MODE (ONLY AMBER).

SOME EXAMPLES OF VIEWS:

BICOLOUR DISPLAY



SPEED LIMIT FUNCTION











SMILE FUNCTION



OR



LED COLOUR	   	
DIGIT HEIGHT MAX.	30 CM	
FUNCTIONS	SMILE + SPEED LIMIT	
POWERED BY	PHOTOVOLTAIC KIT 	50 W - 45 AH
	POWER SUPPLY KIT 	230 VAC/12 VDC
	POWER SUPPLY / BATTERY KIT  	230 VAC/12 VDC 18 AH BATTERY
SOFTWARE	INCLUDED / APP ANDROID	
CONNECTION	BLUETOOTH (100M OUTDOOR) RS232	OPTIONAL: EMAIL - GSM - GPRS - GPS
VEHICLE DETECTION	BIDIRECTIONAL (ONLY STATISTIC)	
DIMENSIONS	640 X 410 X 75 MM	

OPTIONAL



Tablet
+ APP  



SAFETY CROSS



PHOTOVOLTAIC KIT 20 W



PEDESTRIAN SENSOR



LED BOX BASIC 102 FLAG

SAFETY SYSTEM FOR CROSSWALKS WITH PEDESTRIAN RADAR AND FLASHING LIGHTS.

- THE SYSTEM STARTS TO WORK WHEN A PEDESTRIAN APPROACH TO THE CROSSWALKS ZONE WITHIN THE SENSOR AREA.
- **THE LED LIGHTS FLASH ON BOTH SIDES OF THE ROAD THROUGH A WIRELESS COMMUNICATION.**

NO WIRING INSIDE THE ROAD.



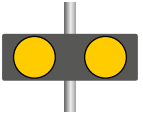


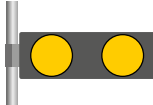

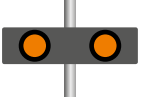

EASY INSTALLATION ON EXISTING SIGNS.

ENERGY SAVING FUNCTION.

INCREASED NOISE IMMUNITY.


NEW FLASH FUNCTIONS AVAILABLE.

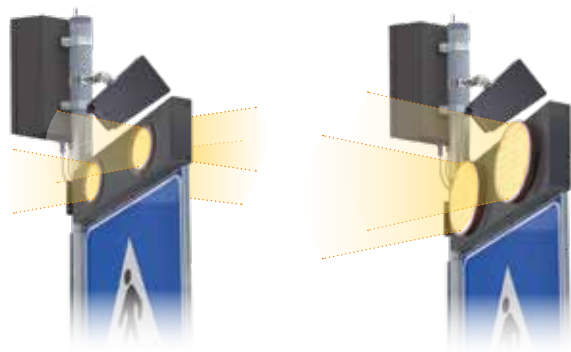
POSSIBLE CONFIGURATIONS:

POWERED BY	ACTIVATED BY	LED BOX
 PHOTOVOLTAIC KIT	 PEDESTRIAN SENSOR	 BASIC 201 SINGLE SIDE
 POWER SUPPLY / BATTERY KIT	 PUSH BUTTON	 BASIC 201 SINGLE SIDE
 POWER SUPPLY KIT		 BASIC 102 SINGLE SIDE
		 BASIC 102 DOUBLE SIDE





CERTIFIED	BASIC 201 BASIC 102	EN12352 - L8H EN12352 - L2H
LED COLOUR		
POWERED BY	PHOTOVOLTAIC KIT	20 W - 18 AH
	POWER SUPPLY KIT	230 VAC/12 VDC
	POWER SUPPLY / BATTERY KIT	230 VAC/12 VDC 18 AH BATTERY
ACTIVATED BY	PEDESTRIAN SENSOR PUSH BUTTON	
FIXING	Ø60 Ø90	
BOX DIMENSIONS	BASIC 201	600 X 210 X120 MM
	BASIC 102	600 X 160 X 60 MM



ECOSOLAR



ECOSOLAR IS A LINE OF PRODUCTS WITH A WIDE RANGE OF **SOLAR POWERED DEVICES** DESIGNED TO SIGNALIZE DANGEROUS SITUATION AND INTEGRATE THE TRAFFIC SIGNS.







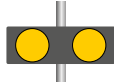

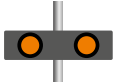






THE ECOSOLAR LINE USES **LED LIGHTS CERTIFIED TO EN 12352**.

THE COMPACT DESIGN AND THE **EXTREMELY EASY INSTALLATION** MAKE THE ECOSOLAR THE PERFECT CHOICE FOR ANY TYPE OF POLE AND TRAFFIC SIGNS.

THE ECOSOLAR LINE IS DESIGNED TO BE INSTALLED ALSO TO EXISTING TRAFFIC SIGNALS.

POWER SAVING OPTIONS ENSURES HIGH AUTONOMY EVEN IN CRITICAL WEATHER CONDITIONS.



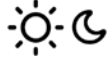

TO ENSURE THE CORRECT OPERATION OF THE DEVICES IS HOWEVER NECESSARY THAT THE PHOTOVOLTAIC PANEL RECEIVES DIRECT SUNLIGHT AT LEAST DURING THE CENTRAL PART OF THE DAY.

				
PHOTOVOLTAIC PANEL 5 W	PHOTOVOLTAIC PANEL 10 W	PHOTOVOLTAIC KIT 10 W	PHOTOVOLTAIC KIT 10 W	PHOTOVOLTAIC KIT 10 W
				
BASIC 201	BASIC 201	BASIC 201	BASIC 102	BASIC 102 DOUBLE SIDE
SOME EXAMPLE OF APPLICATIONS:				
				

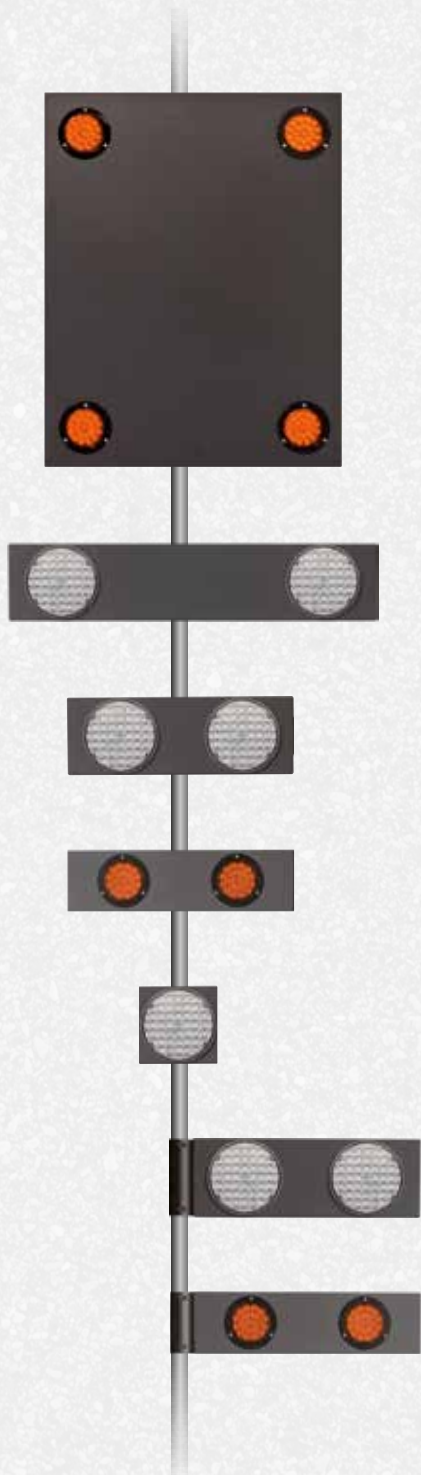


ECOSOLAR ARE POWERED ONLY BY PHOTOVOLTAIC ENERGY.

FOR SOLUTIONS POWERED BY THE ELECTRICAL NETWORK, SEE **LED Box** ON THE NEXT PAGE.

CERTIFICATION	BASIC 201 BASIC 102	EN12352 - L8H EN12352 - L2H
LED COLOUR		
POWERED BY		PHOTOVOLTAIC
WORKING	 24 HRS	 OPTIONAL ONLY NIGHT
FIXING	Ø 60 Ø 90	
BOX DIMENSIONS	1 BASIC 201 2 BASIC 201 2/4 BASIC 102	210 X 210 X 120 MM 600 X 210 X 120 MM 600 X 160 X 60 MM

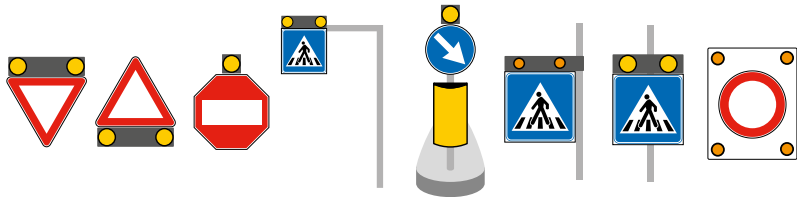
LED BOX



LED Box IS A FAMILY OF PRODUCTS DESIGNED TO KEEP A LOW IMPACT IN AESTHETICS WHILE DELIVERING A GREAT ACTIVE SAFETY SIGNAL. THEY ARE PROVIDED AS STANDARD WITH EXTERNAL CONTROL, BUT THERE ARE SOME MODELS WITH INTEGRATED CONTROL UNIT OR WITH **230 VAC** POWER SUPPLY.

- THE **LED Box** EXTERNAL CONTROL CAN BE USED WITH:
- OUR COMPACT PHOTOVOLTAIC KIT WITH **S600** CONTROLLER .
 - OUR BOX AND CONTROL UNITS (SEE PAGES 10-11).
 - OUR DIN RAIL MOUNTABLE FLASHING CONTROL UNIT (SEE PAGE 31).

SOME EXAMPLES OF APPLICATIONS:



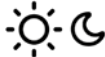



CERTIFICATION	BASIC 201 BASIC 102	EN12352 - L8H EN12352 - L2H
LED COLOUR		
INPUT VOLTAGE	230 VAC 12 VDC	OTHER VOLTAGES ON REQUEST
POWERED BY	 POWER SUPPLY KIT	 POWER SUPPLY/BATTERY KIT
FIXING	Ø 60 Ø 90	
BOX DIMENSIONS	1 BASIC 201 2 BASIC 201 2 BASIC 201 2 BASIC 102 4 BASIC 102	210 X 210 X 120 MM 600 X 210 X 120 MM 900 X 210 X 120 MM 600 X 160 X 60 MM 800 X 1000 X 45 MM OTHER DIMENSIONS ON REQUEST

D-SOLAR

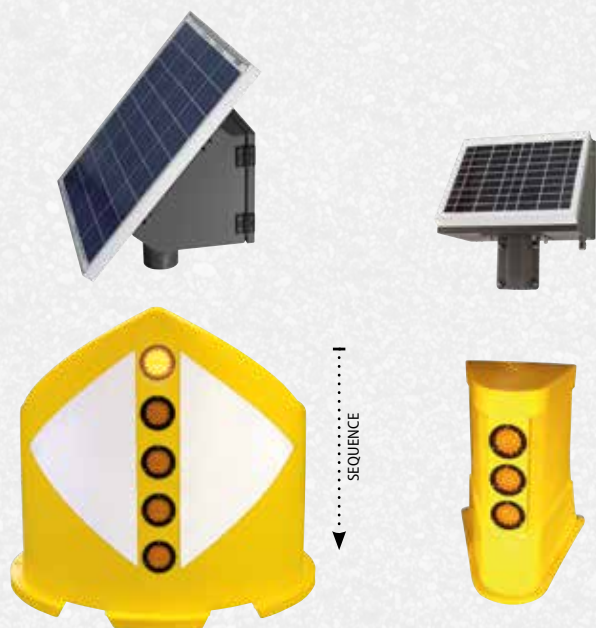


D-solar are LED lights with photovoltaic suitable for highways and heavy traffic areas. They are ideal for cuspidal points, crossroads and fatal edges. The photovoltaic kit is bigger than the one used for the **Ecosolar** and that makes them a perfect choice for application with critical weather conditions. Easy to install and to maintain.

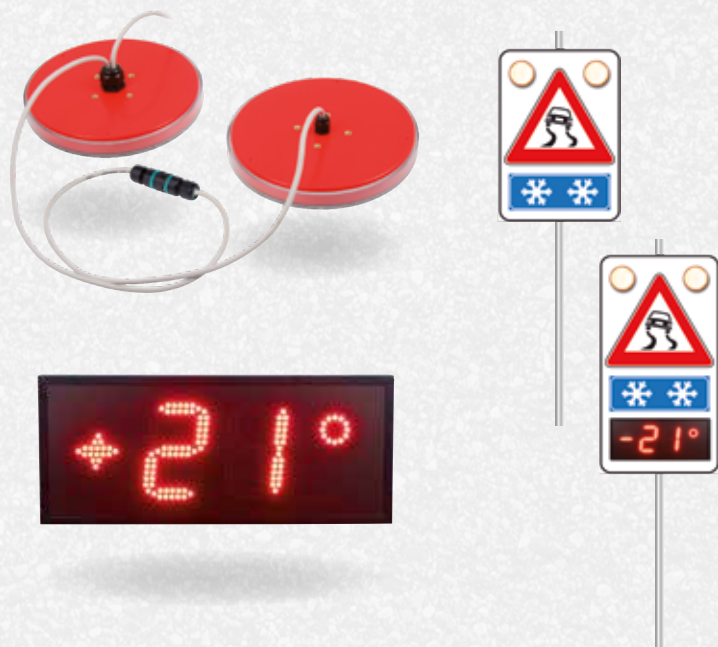
CERTIFICATION	BASIC 200 BASIC 302	EN12352 - L8H EN12352 - L9M	
LED COLOUR			
POWERED BY		PHOTOVOLTAIC KIT	10 W BASIC 200 20 W -BASIC 302
WORKING		24 ORE	 OPTIONAL ONLY NIGHT
FIXING	Ø60		
DIMENSIONS	BASIC 200 BASIC 302	Ø198 X 65 MM Ø335 X 110 MM	



INDICATORE DI DIREZIONE



TEMPO FLASH



IDEAL FOR JUNCTIONS, CUSPS AND OTHER DANGEROUS SPOTS.

OPERATING WITH PHOTOVOLTAIC PANEL OR 230 VAC.

LED BASIC 102 SEQUENTIAL.

ARROWS IN CLASS 2 FILM.

SHOCK RESISTANT.

VARIOUS SIZES AVAILABLE.

MODEL	5 LED LIGHTS BASIC 102		3 LED LIGHTS BASIC 102
CERTIFICATION	EN 12352 - L2H		EN 12352 - L2H
LED COLOUR			
FLASHING	SEQUENCE		SYNC.
POWERED BY	PHOTOV. KIT 50W	POWER SUPPLY/ BATTERY KIT 230VAC 12VDC	POWER SUPPLY KIT 230VAC 12VDC
DIMENSIONS	Ø 100 - Ø 150 - Ø 200 CM		Ø 60 CM

TEMPOFLASH IS A SAFETY DEVICE THAT ADVISES THE ROAD USERS ABOUT THE ICE CONDITION OF THE ROAD SURFACE.

WHEN THE OUTER TEMPERATURE GOES BELOW 3°C THE LED FLASHING DOUBLE SYSTEM ACTIVATES.

THE TEMPERATURE CAN ALSO BE DISPLAYED.

AVAILABLE VERSION WITH A HIGH PRECISION TEMPERATURE PROBE TO INSERT DIRECTLY INTO THE GROUND.



THE SYSTEM SENDS AN SMS AT A SET TEMPERATURE AND CAN BE USED IN "REMOTE CONTROL MODE" AT ANY TIME TO OBTAIN INFORMATION (TEMPERATURE, SYSTEM STATUS ETC.).

CERTIFICATION	BASIC 201	EN12352 L8H	
LED COLOUR	LED LIGHTS	DISPLAY	
POWERED BY	POWER SUPPLY KIT 230VAC 12VDC	POWER SUPPLY/ BATTERY KIT 230VAC 12VDC	PHOTOVOLTAIC KIT
POWER CONSUMPTION	13 W MAX.	+ 6 W DISPLAY	
DIGIT HEIGHT	20 CM	READING DISTANCE	100 M
DISPLAY DIMENSIONS	740 X 310 X 70 MM		

ANIMAL GUARDIAN IS AN INNOVATIVE DEVICE TO PREVENT THE FATAL STREET CROSSING BY THE WILD ANIMALS.

It's powered from a high efficiency solar module and it is working during the night emitting both a luminous signal and a constant sound.

The activation is given by the vehicle head lights.

LED COLOUR		+ BEEP	
POWERED BY	PHOTOVOLTAIC PANEL	LI-POL BATTERY	
WORKING		ONLY NIGHT	
DIMENSIONS	36 X 160 X 70 MM	FIXING	ANTI-THEFT

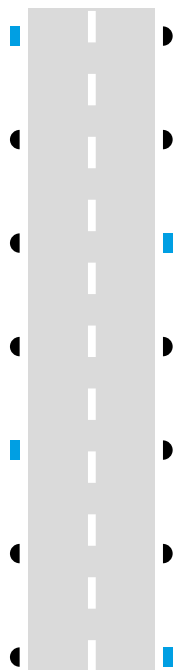
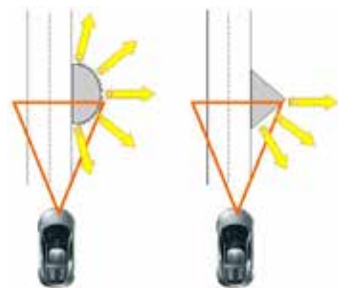
ANIMAL GUARDIAN CAN BE INTEGRATED WITH **ANIMAL REFLECTOR OR UNI REFLECTOR**, WILDLIFE WARNING REFLECTORS VALID FOR ALL TYPES OF TERRAIN.

We recommend the installation as shown in the diagram.

LEGENDA:

 **ANIMAL GUARDIAN**

 **REFLECTOR**



ANIMAL GUARDIAN



ANIMAL REFLECTOR / UNI REFLECTOR



ANIMAL REFLECTOR



UNI REFLECTOR

LED BACKLIT SIGNS



DOUBLE SIDE



D-POWER PRESENTS A WIDER RANGE TO SATISFY THE GROWING NEEDS IN ROAD SIGNALING.

THE ULTRATHIN LED SIGNALS GUARANTEE AN HIGH UNIFORMITY OF BACKLIGHTING AND LOW MAINTENANCE.

DESIGNED AND BUILT ACCORDING **EN12899**.

THE TECHNOLOGY WE USE ALLOWS REACHING THE HIGHEST CLASSES OF THE NORM WHILE KEEPING LOW THE POWER CONSUMPTION AND OVERALL SIZES.

THE BACKLIT SIGNALS CAN BE SUPPLIED WITH VARIOUS TRAFFIC SIGN FILMS ACCORDING TO THE APPLICABLE ROAD CODE, MADE USING **CLASS 2 SUPERIOR TRANSLUCENT FILMS**.










AVAILABLE WITH SEVERAL MOUNTING OPTIONS.

THE NEW FINISHING COLOR AND DESIGN MAKE THEM SUITABLE FOR USE IN TOWN CENTERS, WHERE THE AESTHETICAL IMPACT IS AN IMPORTANT ISSUE.

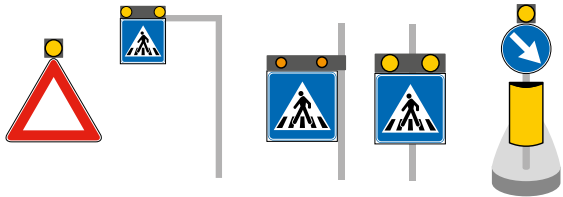
THE LED BACKLIT SPECIAL OBSTACLE DELINEATOR INCLUDES THE CLASS 2 SUPERIOR TRANSLUCENT FILM.



DOUBLE SIDE

CERTIFICATION: UNI EN12899					LED COLOUR: ○		INPUT VOLTAGE: 12 VDC - 230 VAC		
									
	SINGLE SIDE	SINGLE SIDE	DOUBLE SIDE	DOUBLE SIDE	SINGLE SIDE	SINGLE SIDE	SINGLE SIDE	DOUBLE SIDE	SINGLE SIDE
LIGHT EMISS. AREA [CM]	90 x 90	82 x 75	90 x 90	90 x 90	Ø 60	60 x 60	60 x 60	60 x 60	40 x 50
POWER CONS. @12V	36 W	32 W	45 W	45 W	8W	24 W	24 W	24 W	7 W
DIMENSIONS [MM]	1000 x 1000 x 45	940 x 830 x 58	1005 x 1285 x 62	1065 x 1103 x 200	Ø 650 x 40	640 x 640 x 43	640 x 640 x 43	645 x 735 x 68	280 x 544 x 164

SOME EXAMPLE OF APPLICATIONS:



APL PEDESTRIAN CROSSING LIGHTING SYSTEMS

AT NIGHT AND IN POOR VISIBILITY HOURS, THE PEDESTRIAN CROSSINGS MUST BE PROPERLY ILLUMINATED AND SIGNALLED:

SIGNAL USING LED FLASHERS CERTIFIED ACCORDING TO **EN 12352**
AND **LED BACKLIT SIGNALS** ACCORDING TO **UNI 12899**.

ILLUMINATE AN HORIZONTAL PLAN, HIGHLIGHTING THE CROSSING WITH A MINIMUM RECOMMENDED LIGHT LEVEL OF **100 LUX (AVERAGE)** **AND A VERTICAL PLAN**, LIGHTING PERFECTLY THE BODY OF PEDESTRIANS MAKING THEM VISIBLE, STARTING FROM THE WAITING AREA, EXTREMELY IMPORTANT FACTOR TO PREVENT ACCIDENTS ON CROSSINGS.

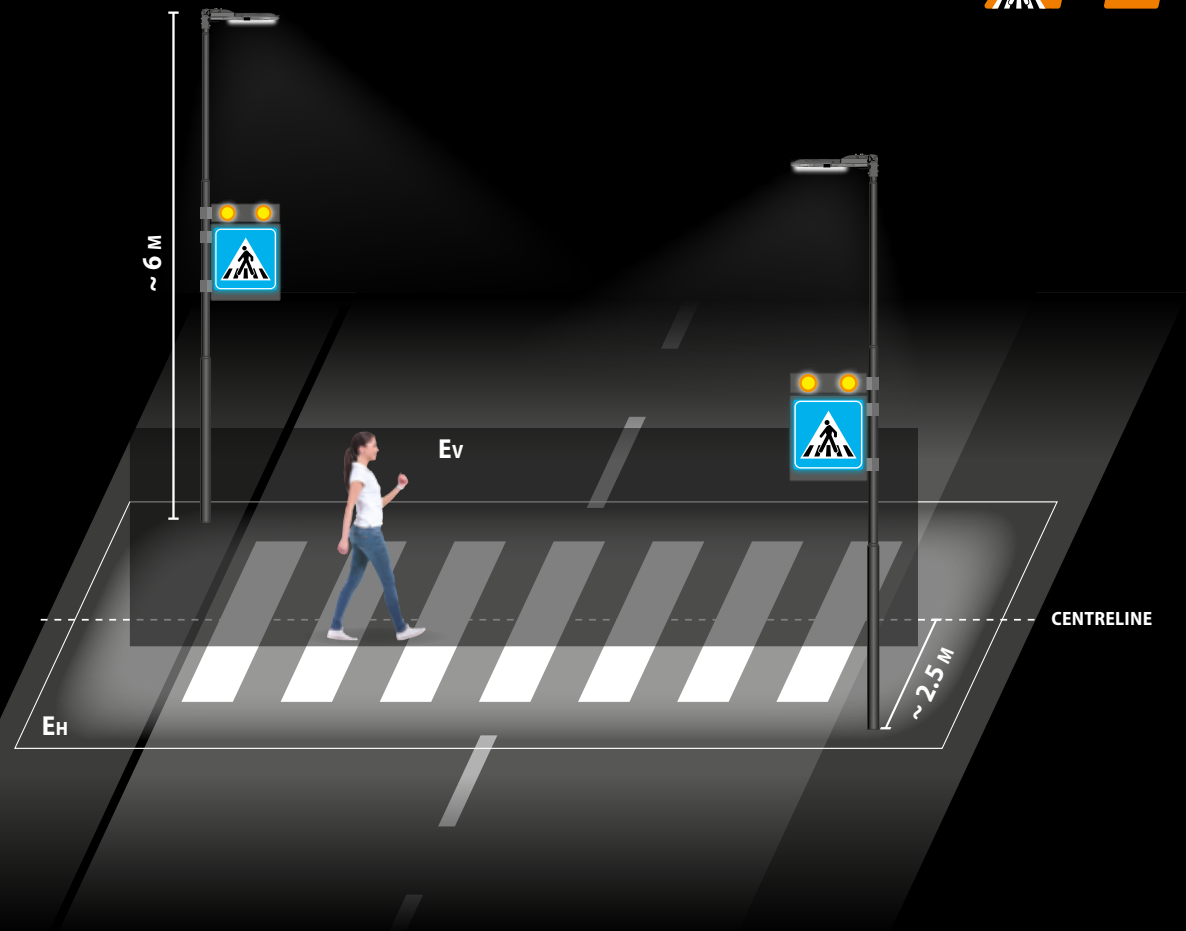
THE LED LUMINAIRES **STRATOS N AND P** HAVE BEEN DESIGNED WITH A DEDICATED OPTIC SPECIFICALLY TO ILLUMINATE CROSSINGS, CREATING A POSITIVE CONTRAST BETWEEN THE PEDESTRIAN AND THE SURROUNDING ENVIRONMENT, PRODUCING A VERY HIGH VERTICAL ILLUMINATION LEVEL ACCORDING TO **EN 13201**.



LUMINOUS FLUX [LUMEN]

THE LUMINOUS FLUX IS MEASURED IN LUMENS AND REPRESENTS THE QUANTITY OF LIGHT PRODUCED FROM A FIXTURE, HENCE IT CAN'T BE MEASURED ON A POINT OR SURFACE.

IT IS A TASK OF THE OPTICS TO DISTRIBUTE THIS LIGHT PROPERLY ON THE CROSSING. FOR INSTANCE, A LIGHT FIXTURE PRODUCING 15,000 LM, MAY PROVIDE LESS LIGHT ON THE CROSSING OF A FIXTURE PRODUCING 12,000 LM.



ILLUMINANCE [LUX]

THE ILLUMINANCE IS THE QUANTITY OF LIGHT MEASURABLE ON A PLAN OF THE CROSSING. IT IS MEASURED IN LUX AND IN MOST OF THE CASES THE DETERMINING FACTOR IS THE AVERAGE ILLUMINANCE AND THE OVERALL UNIFORMITY (RATIO BETWEEN MIN LUX AND AVG LUX).

HORIZONTAL ILLUMINANCE E_H [LUX]

IS THE QUANTITY OF LIGHT MEASURED ON THE HORIZONTAL PLAN [E_H] OF THE CROSSING. THE HIGH LEVEL ACHIEVABLE AND THE SUPER CONCENTRATED BEAM ALLOW AN UNMATCHED VISIBILITY AND EASE OF **IDENTIFICATION FROM DISTANCE OF THE CROSSING**.

VERTICAL ILLUMINANCE E_v [LUX]

IS THE QUANTITY OF LIGHT MEASURED ON THE VERTICAL PLAN [E_v] OF THE CROSSING. THE HIGH LEVEL ACHIEVABLE ALLOWS THE **MAXIMUM VISIBILITY OF PEDESTRIANS**, CREATING A POSITIVE CONTRAST WITH THE SURROUNDING ENVIRONMENT.

APL CLASSIC IS THE FIRST SIGNALLING AND ILLUMINATING SYSTEM FOR PEDESTRIAN CROSSINGS DESIGNED TO ACHIEVE THE HIGHEST LEVELS OF SAFETY FOR PEDESTRIANS USING THE LATEST TECHNOLOGIES.



WITHOUT APL ↑

WITH APL ↓



COMPONENTS

LED STREETLIGHTS



STRATOS P



STRATOS N

BACKLIT SIGNS



60 X 60

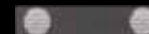


90 X 90

LED BOX



4 BASIC 102



2 BASIC 201

POWER SUPPLY



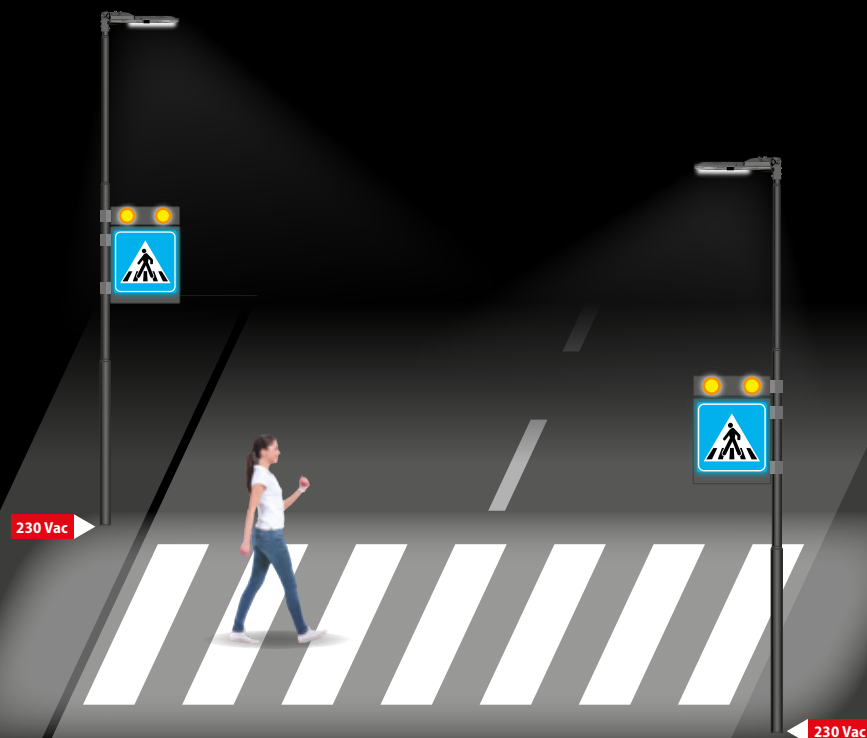
POWER SUPPLY KIT



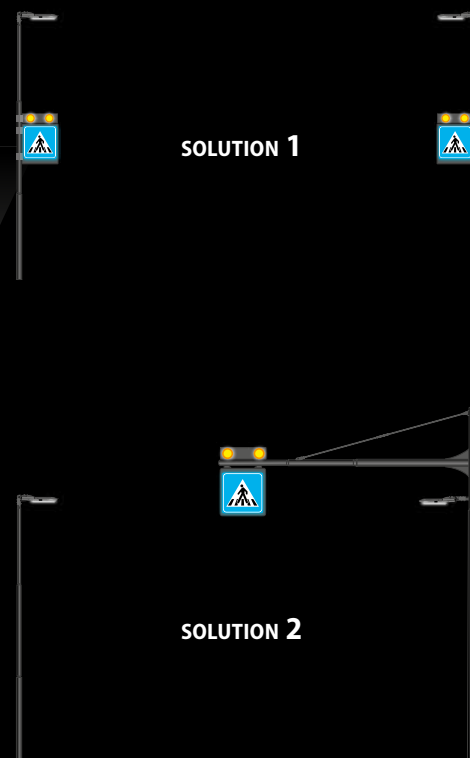
POWER SUPPLY/
BATTERY KIT

ELV CONTROL UNIT





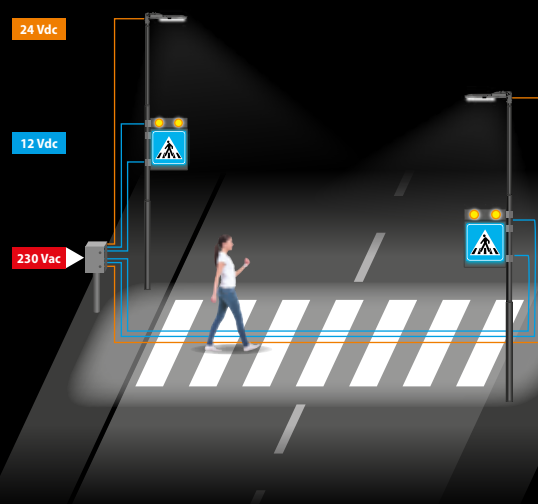
SOLUTION 1



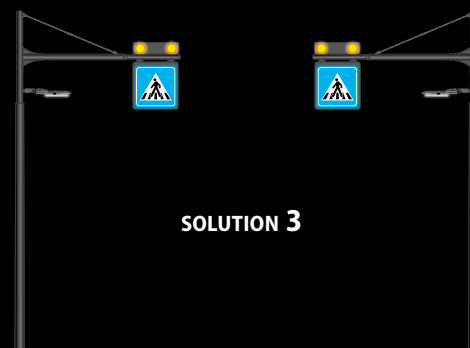
SOLUTION 2

CLASSIC APL-ELV

(EXTRA LOW VOLTAGE) IS THE FIRST SYSTEM FOR THE SIGNALING AND LIGHTING OF PEDESTRIAN CROSSINGS IN EXTRA LOW VOLTAGE WHICH MAKES IT IDEAL FOR INSTALLATIONS WHERE THE 230V POWER SUPPLY IS AVAILABLE ONLY ON ONE SIDE OF THE ROAD, MAKING THE INSTALLATION PROCEDURE AND THE CROSSING OF THE STREET WITH CABLES, SAFER AND EASIER.



SOLUTION 3



THE APL CLASSIC SOLUTION 4 ORIGINATED FROM A NEED TO OFFER A PRODUCT THAT CAN BE USED AS A RETROFIT ON OLD INSTALLATIONS AND FOR SOME APPLICATIONS WHERE IT IS NOT POSSIBLE TO LAY A POLE ON ONE SIDE OF THE ROAD.

[1]

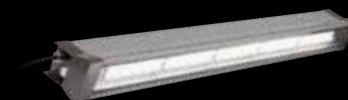


[2]



COMPONENTS

LED STREETLIGHTS



TRILOGY N

BACKLIT SIGNS



90 X 90



90 X 90 BOLD

POWER SUPPLY



POWER SUPPLY KIT

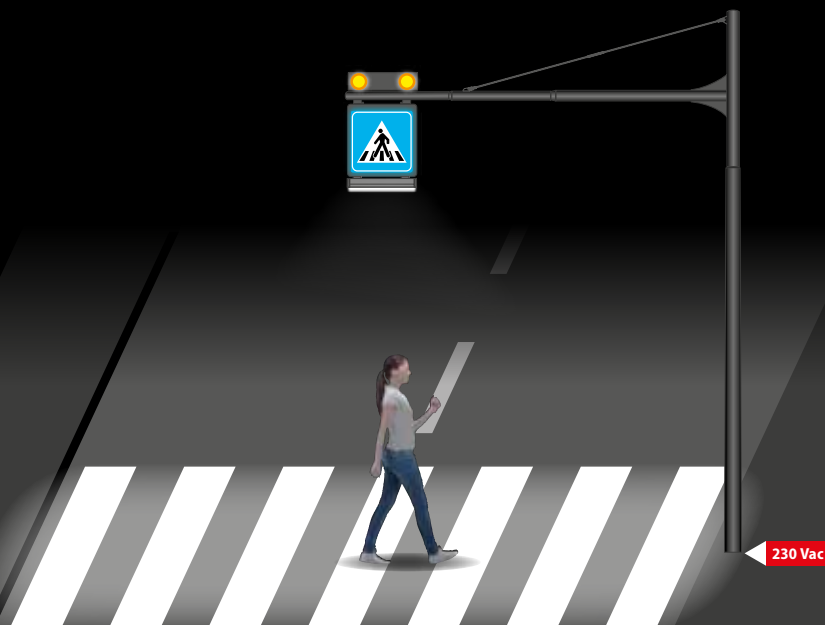


POWER SUPPLY/
BATTERY KIT

LED BOX



2 BASIC 201



SOLUTION 4

THIS SOLUTION, HOWEVER, DOES NOT COMPLY WITH THE UNI 160351 BECAUSE IT ONLY GUARANTEES GOOD HORIZONTAL ILLUMINATION BUT NOT THE VERTICAL ONE THAT IS NECESSARY TO MAKE THE PEDESTRIAN VISIBLE.

AS YOU CAN SEE IN **PICTURE 1** A PEDESTRIAN CROSSING EXACTLY ON THE AXIS IS VISIBLE EVEN IF NOT ILLUMINATED CORRECTLY.

IF THE PEDESTRIAN CROSSES ON ANOTHER AREA (**PICTURE 2**) FOR ONE TRAFFIC DIRECTION IS GOING TO BE VISIBLE ONLY THANKS TO THE NEGATIVE CONTRAST THAT IS CREATED BETWEEN ITS BLACK SHAPE AND THE BACKGROUND ILLUMINATED BY THE SURROUNDING PUBLIC LIGHTING.

IT IS IMPORTANT TO REMEMBER THAT, IN ORDER TO PREVENT ACCIDENTS, THE PEDESTRIAN MUST BE VISIBLE FROM THE WAITING AREAS AND THIS SOLUTION DOES NOT REACH AN ADEQUATE LEVEL OF VERTICAL ILLUMINANCE IN SUCH AREAS, ESPECIALLY ON WIDE ROADS.

APL SMART IS LATEST EVOLUTION OF SIGNALLING AND LIGHTING OF PEDESTRIAN CROSSINGS CREATED TO MAKE THE PEDESTRIAN CROSSING INTERACTIVE AND SAFER.

- 1 - THE SYSTEM IS ACTIVATED BY A **PUSH-BUTTON** OR BY A **SENSOR**.
- 2 - THANKS TO THE INTELLIGENT DIMMING THE LIGHTING LEVEL FOR THE PEDESTRIAN CROSSING GOES **FROM 40% UP TO 100%**.
LED FLASHERS START WORKING.

1 - STAND-BY 40%



2 - 100%



COMPONENTS

LED STREETLIGHTS



STRATOS P



STRATOS N

BACKLIT SIGNS



60 X 60



90 X 90

LED BOXES



4 BASIC 102



2 BASIC 201

CONTROL UNITS



WIRELESS

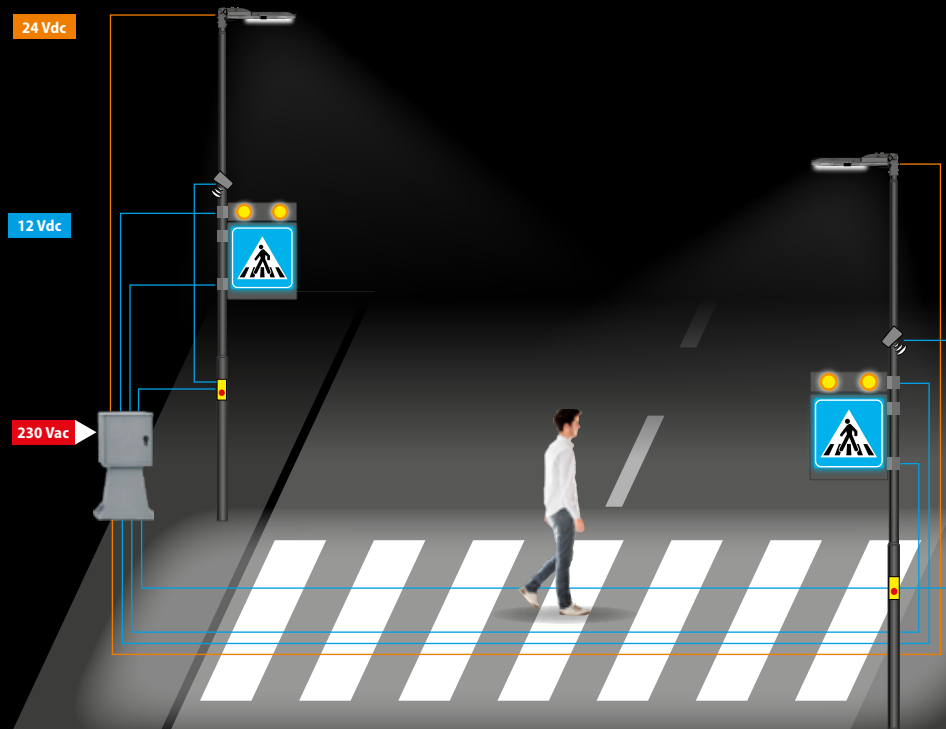
ACTIVATION DEVICES



PEDESTRIAN SENSOR
AND PUSH-BUTTON



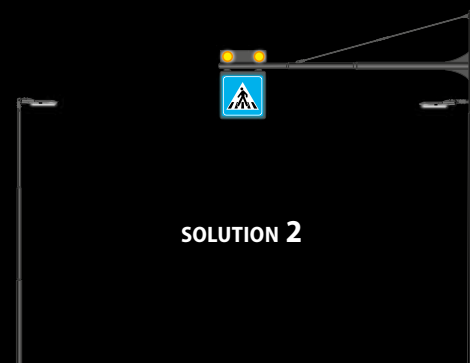
TOUCH - BUTTON



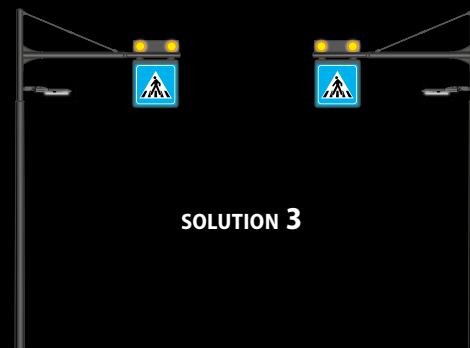
SOLUTION 1



SOLUTION 2

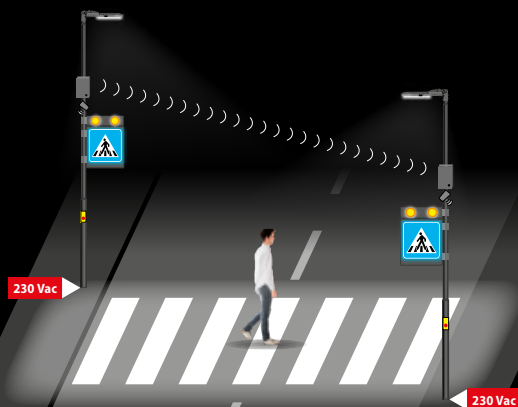


SOLUTION 3



APL SMART WIRELESS

DOES NOT REQUIRE WIRING INSIDE THE ROAD.
AVAILABLE ONLY WITH STRATOS P.



APL SOLAR COMBINES THE TECHNOLOGICAL ADVANTAGES OF OUR LED APL SOLUTIONS WITH THE NEED TO INSTALL SUCH SYSTEMS IN AREAS NOT COVERED BY AC NETWORK.

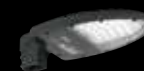
EVEN IF WITH LOWER POWER COMPARING TO AC APL (APL CLASSIC AND APL SMART), THE APL SOLAR (WITH STRATOS N 18W) CAN GUARANTEE SUFFICIENT **HORIZONTAL AND VERTICAL ILLUMINANCE** LEVELS IN COMPLIANCE WITH THE **EN 13201** AND A GOOD WARNING SYSTEM THANKS TO THE LED WARNING LIGHTS CERTIFIED AND APPROVED ACCORDING TO **EN 12352**.

IN THE **PHOTOVOLTAIC KIT** BATTERY AND CHARGING REGULATOR ARE INTEGRATED WITH THE PV MODULE. IN THIS WAY WE CAN AVOID TO USE AN EXTERNAL BOX.

PEAK POWER **140 W**.

COMPONENTS

LED STREETLIGHT



STRATOS N 18W

LED BOX



4 BASIC 102

PHOTOVOLTAIC KIT



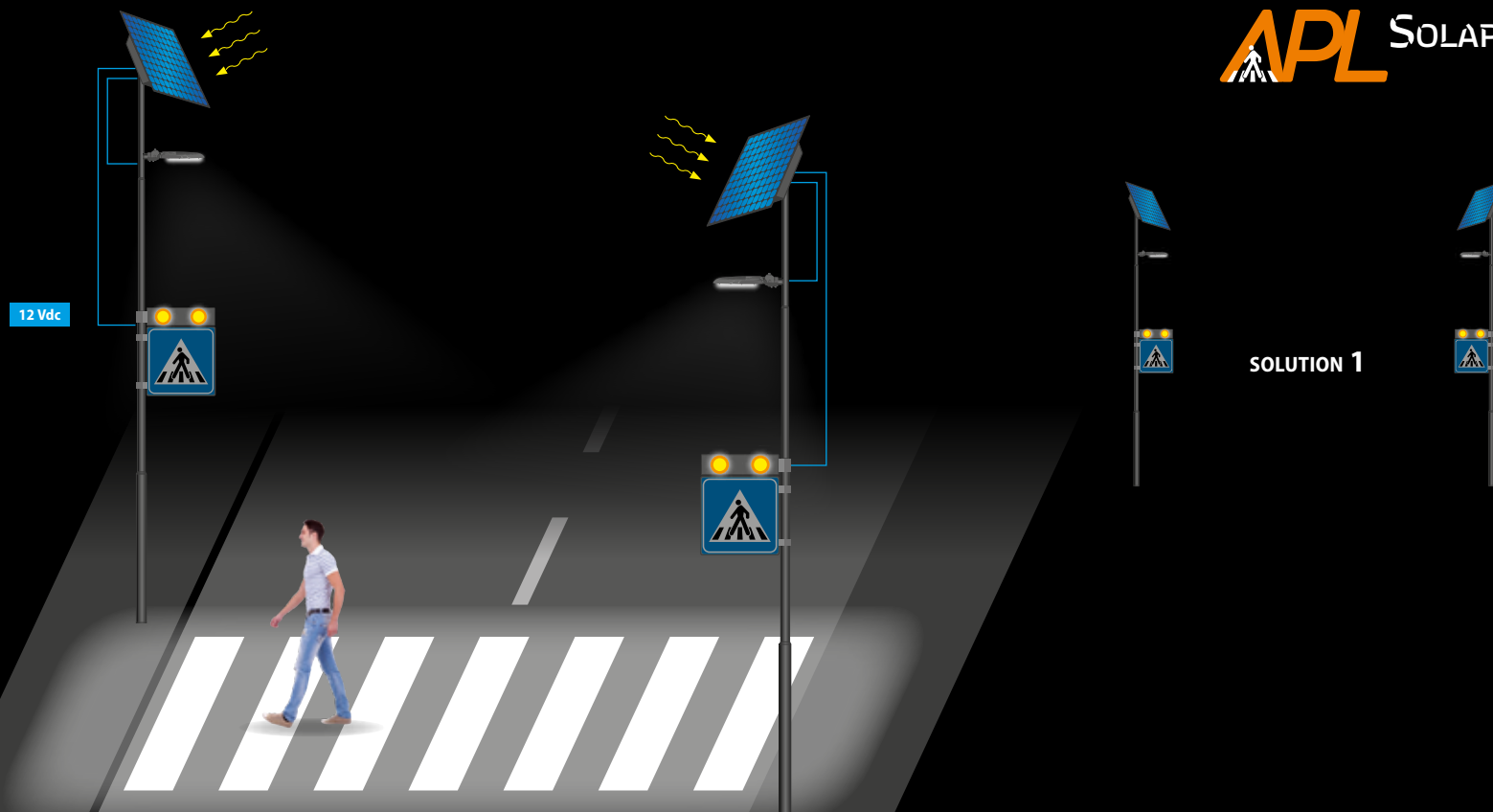
140 W

ACTIVATION DEVICES FOR SOLAR ACTIVE



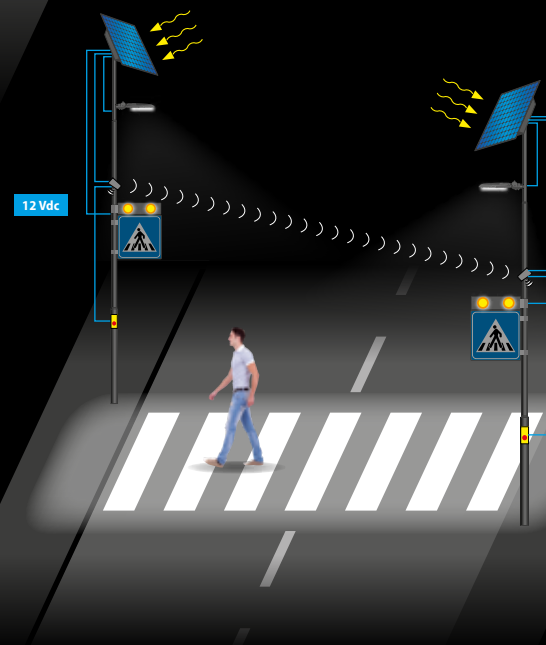
PEDESTRIAN SENSOR AND PUSH-BUTTON





APL SOLAR ACTIVE

- LIGHTING IS ACTIVATED AUTOMATICALLY AT NIGHT TO ALLOW A BASIC SAFETY LEVEL AND MAKES THE CROSSING VISIBLE TO DRIVERS AND PEDESTRIANS
- THE LED FLASHERS ARE ACTIVATED BY PUSH BUTTON OR MOTION SENSOR. A WIRELESS CONNECTION ACTIVATES IMMEDIATELY THE FLASHERS OF THE OPPOSITE SIDE





STRATOS P



STRATOS N



TRILOGY N



BACKLIT
DOUBLE SIDE 90X90



BACKLIT
DOUBLE SIDE 90X90 BOLD





BACKLIT DOUBLE SIDE 60X60

LED STREETLIGHTS WITH
DEDICATED DOUBLE ASYMMETRIC
OPTIC TARGETING THE HIGHEST
CLASSES **EV** OF THE **EN13201**.

**LED BAR SPECIFIC DESIGNED
FOR PEDESTRIAN CROSSING.**
THE NARROW OPTIC IS ABLE TO
DELIVER VERY HIGH HORIZONTAL
VALUES ON THE ZEBRA CROSSING.
IT IS USED IN COMBINATION
WITH 90X90 BACKLIT SIGNS.

OUR **BACKLIT LED SIGNS**
ARE EXTREMELY IMPORTANT TO
MAKE THE PEDESTRIAN CROSSING
VISIBLE FROM LONG DISTANCES.
THE PERFECT UNIFORMITY AND
LUMINANCE VALUES OF THE SIGNS
ARE OUR COMPETITIVE ADVANTAGE.
THE 90X90 BACKLIT SIGN
CAN BE EQUIPPED WITH LOWER
LED TRILOGY BAR.

COMPLIANCE	EN 13201	CERTIFICATION	 
LED OPTICS	ASYMMETRIC L - R SPECIFIC FOR PEDESTRIAN CROSSING		
INPUT VOLTAGE	230 VAC	24 VDC	12 VDC (APL SOLAR)
POWER CONSUMPTION	STRATOS P STRATOS N	105 W 55 W	18 W (APL SOLAR)
MATERIAL	SUPERCAST® DIE-CAST ALUMINUM		
MOUNTING	Ø60		
DIMENSIONS	STRATOS P STRATOS N	730 X 360 X 125 MM 528 X 300 X 53 MM	
COMPLIANCE	EN 13201		
LED OPTICS	SYMMETRIC - SPECIFIC FOR PEDESTRIAN CROSSING		
INPUT VOLTAGE	230 VAC	12 VDC	
POWER CONSUMPTION	45 W		
MATERIAL	ALUMINUM	ADJUSTABLE BRACKET INCLUDED	
DIMENSIONS	80 X 91 X 1000 MM (W/O BRACKET)		
COMPLIANCE	EN 12899		
LED COLOUR	● DOUBLE SIDE		
INPUT VOLTAGE	230 VAC - 12 VDC		
LIGHT EMISSION AREA	90 X 90 CM	90 X 90 CM	60 X 60 CM
POWER CONSUMPTION	45 W	45 W	24W
MOUNTING	TILTING SYSTEM	TILTING SYSTEM	Ø60 - Ø90 MM
DIMENSIONS	1000 X 1000 X 62 MM (W/O BRACKET)	1065 x 1103 x 200 (W/O BRACKET)	645 X 735 X 68 MM (W/O BRACKET)



LEDBOX BASIC 102



LEDBOX BASIC 201



SENSOR AND PUSH-BUTTON



TOUCH-BUTTON

I LED Box SONO DEI DISPOSITIVI CON PROIETTORI A **LED** CERTIFICATI DA ABBINARE AI NOSTRI RETROILLUMINATI PER AUMENTARE VISIBILITÀ DELL'ATTRAVERSAMENTO PEDONALE SOPRATTUTTO NELLE ORE DIURNE.

CERTIFICATION

BASIC 201
BASIC 102

EN12352 - L8H
EN12352 - L2H

LED COLOUR



BASIC 201 X 2 (SINGLE SIDE)
BASIC 102 X 4 (DOUBLE SIDE)

INPUT VOLTAGE

230 VAC

12 VDC

POWER CONSUMPTION

BASIC 201
BASIC 102

15 W
15 W

MOUNTING

POLE

Ø60
Ø90

BOX DIMENSIONS

900 X 210 X 120 MM
600 X 160 X 60 MM

ACTIVATION DEVICES.

THE SENSOR AND THE BUTTONS MAKE THE SYSTEM INTERACTIVE AND SAFER.

CERTIFICATION



INPUT VOLTAGE

12 VDC

POWER SUPPLY AND CONTROL UNITS



CONTROL UNIT

FIBERGLASS CABINET, BASE, POWER SUPPLIES, TIMER, FLASHING CONTROL MODULE, PREDISPOSITION FOR Pb AGM BATTERY, BATTERY CHARGING SYSTEM.



CONTROL UNIT
CLASSIC ELV

FIBERGLASS CABINET.
POLE WITH FIXING BRACKET.
POWER SUPPLIES, PROTECTIONS AND FLASHING CONTROL MODULE.



CONTROL UNIT
SMART WIRELESS

AKZO900 POWDER COATING METAL CABINET, TIMER POWER SUPPLY, FLASHING/ RADIO CONTROL MODULE, BATTERY CHARGING SYSTEM.
BATTERY: 7Ah Pb AGM
MOUNTING: BAND-IT / POLE Ø90 MM



KIT POWER SUPPLY

FLASHING: L50 FLASH 10%
POWER SUPPLY:
230 VAC / 12 VDC
3.5 A CLASS II
2 OUT
Box IP56



POWER SUPPLY/
BATTERY KIT

BATTERY: 7 Ah - 18Ah
FLASHING: L50
FLASH 10%
MOUNTING: BAND-IT
/ POLE Ø90 MM



PHOTOVOLTAIC KIT

THE BATTERY AND THE CHARGING REGULATOR ARE INTEGRATED WITH THE PV MODULE. IN THIS WAY WE CAN AVOID TO USE AN EXTERNAL BOX.
PEAK POWER: 140 W
BATTERY: 90 Ah
OUTPUT VOLTAGE: 12 V
MOUNTING: POLE Ø90 MM

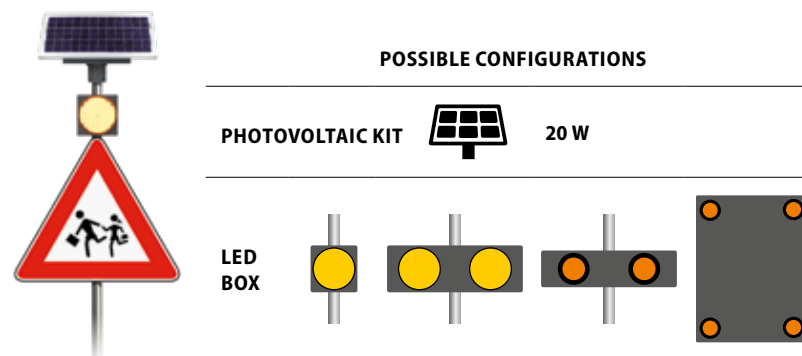
TIME BOX



IDEAL FOR SCHOOLS, COMPANY OR OTHER APPLICATIONS WHERE IT'S IMPORTANT THAT THE SIGNAL IS ACTIVATED ONLY IN CERTAIN HOURS OF THE DAY.


THE SYSTEM WORKS ONLY DURING SCHEDULED TIMES.

THE DIGITAL TIMER IS INSIDE THE PHOTOVOLTAIC KIT.



THE EASIEST AND LESS EXPENSIVE WAY TO PROPERLY LIGHT PLACES NOT REACHABLE BY THE POWER GRID.


IDEAL FOR: BUS SHELTERS, CANOPIES, GATES, GARDENS, PATIO, KIOSKS, ADVERTISING SIGNS.

LED COLOUR	<input type="radio"/> 5500K
POWERED BY	 PHOTOVOLTAIC KIT 10 W 20W OPTIONAL
AUTONOMY	>7 DAYS WITHOUT SUN
TRIOLOGY MATERIAL	ALUMINUM ADJUSTABLE BRACKET INCLUDED
DIMENSIONS	TRIOLOGY: 80 X 91 X 300 MM (W/O BRACKET) KIT PV: 345 X 400 X 175 MM

TRIOLOGY BUST





STRATOS N	SUPERCASE[®] ALUMINUM	TEMPERED GLASS	IP66
LED	○ 4100-5500 K	CRI >70	L70 >100.000 HRS
PHOTOVOLTAIC KIT		12 VDC 140 W	
AUTONOMY	5...10 DAYS WITHOUT SUN		
DIMENSIONS	STRATOS N: 300 X 528 X 53 MM PV PANEL: 1470 X 670 X 35 MM		

PHOTOVOLTAIC STRATOS N



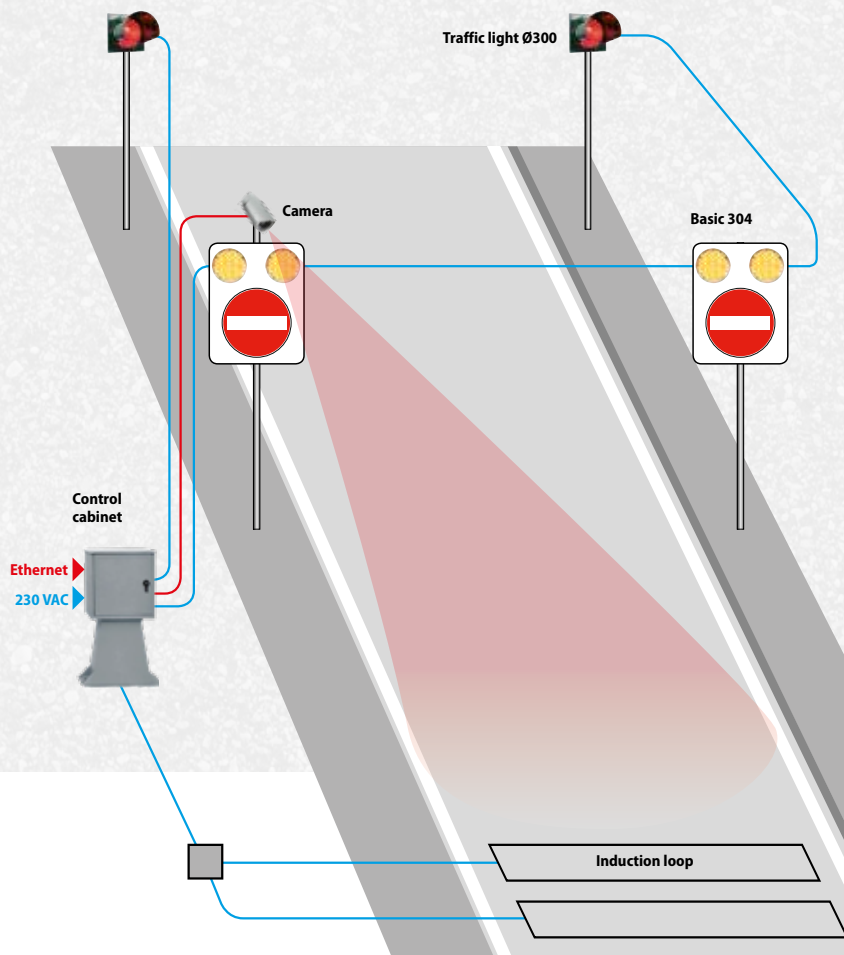
With **PV LIGHTING SOLUTIONS**, YOU CAN BRING LIGHT IN AREAS NOT ACCESSIBLE FROM THE POWER SUPPLY, REDUCING THE INSTALLATION COSTS BY AVOIDING THE LAYING OF NEW CABLES.

OUR SYSTEMS ARE CHARACTERIZED BY THE USE OF TOP QUALITY COMPONENTS AND OVERSIZED TO ENSURE THE BEST RELIABILITY:

- USE A REGULATOR TO PROTECT THE BATTERIES FROM DEEP DISCHARGE AND OVERLOADED.
- SPECIFIC **AGM BATTERIES** FOR PHOTOVOLTAIC APPLICATIONS.
- COMPACT KIT WITH BATTERY AND ELECTRONICS INTEGRATED.
- DIMENSIONING BASED ON LATITUDE AND OUTPUT LIGHT REQUIRED, OFFERS A RANGE OF AUTONOMY IN THE ABSENCE OF SUN BETWEEN **5 AND 10 DAYS**.

OTHER COMBINATIONS AVAILABLE.

SAFETY WAY



THIS SYSTEM DETECTS VEHICLES DRIVING IN THE WRONG WAY USING INDUCTION LOOPS.

PHOTOVOLTAIC POWER SUPPLY, 12 VDC OR 230 VAC.

CONTROL CABINET CONTAINING THE CPU FOR MANAGING AND STORING EVENTS, GPS MODULE AND CONTROL UNIT FOR LED FLASHERS.

A **WIRELESS** CONNECTION BETWEEN THE CONTROL CABINET AND FLASHERS IS AVAILABLE.

FEATURES:

- VEHICLE DETECTION BY INDUCTIVE-LOOP TRAFFIC DETECTORS
- SEND AN SMS OR E-MAIL IN CASE OF ANOMALY, MULFUNCTION OR LOW BATTERY.
- THE SYSTEM IS EQUIPPED WITH A MODEM THAT STORES DATA OF THE WRONG WAY EVENTS
- DIFFERENT WORKING LOGICS ARE AVAILABLE TOGETHER WITH DIFFERENT TYPES OF FLASHING FOR BASIC 302/201/200 (50%,10% AND TRIFLASH).
- **OPTIONAL CAMERA TO SEND VIA E-MAIL OR FTP THE IMAGES OR VIDEOS OF THE EVENTS.**

WATCH THE VIDEO:

[HTTPS://WWW.YOUTUBE.COM
/WATCH?V=YKGLZPDKJZW](https://www.youtube.com/watch?v=YKGLZPDKJZW)



RAV IS A SYSTEM THAT DETECTS THE HEIGHT OF THE PASSING VEHICLES USING ONLY ONE SENSOR POSITIONED ON ONE SIDE OF THE ROAD.

IT IS POSSIBLE TO DEFINE LENGTH AND WIDTH OF THE DETECTION AREA AND ALSO THE MINIMUM SIZE OF THE OBJECT THAT HAS TO BE DETECTED.

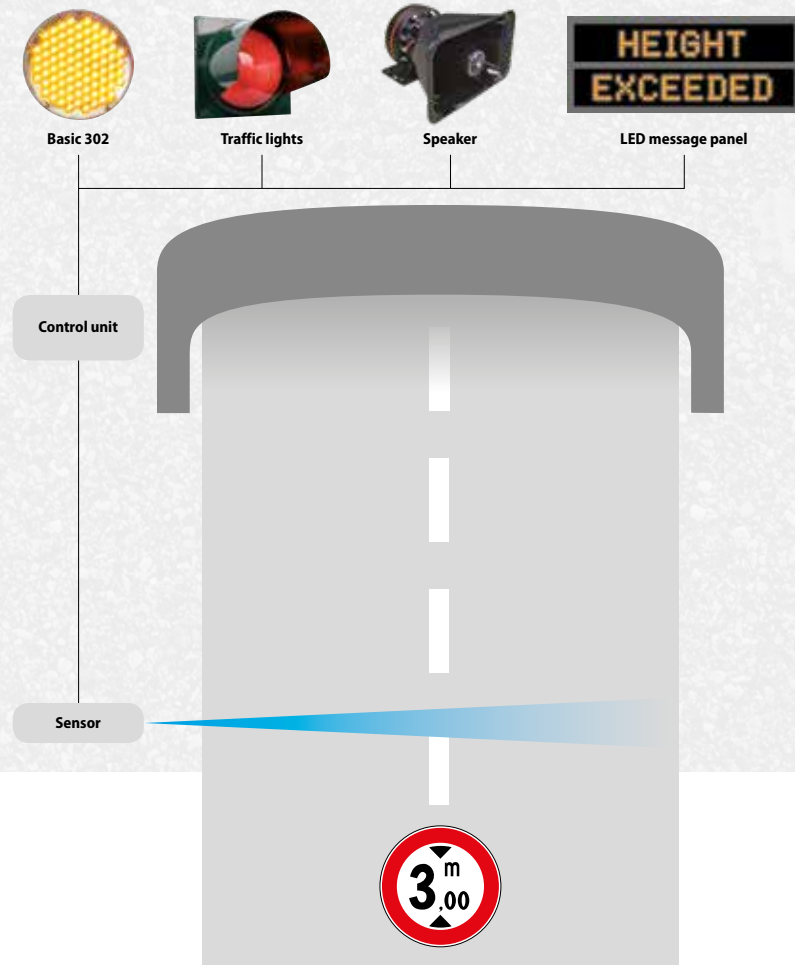
PROGRAMMABLE WITH IR REMOTE CONTROL.

IF A VEHICLE EXCEEDS THE MAXIMUM HEIGHT THE SYSTEM SETS OFF TWO FLASHING LIGHTS, A SIREN, A TRAFFIC LIGHT OR A LED MESSAGE PANEL.

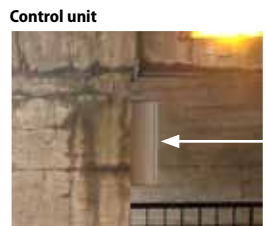
WATCH THE VIDEOS:

[HTTPS://WWW.YOUTUBE.COM
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[HTTPS://WWW.YOUTUBE.COM
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Sensor



Control unit

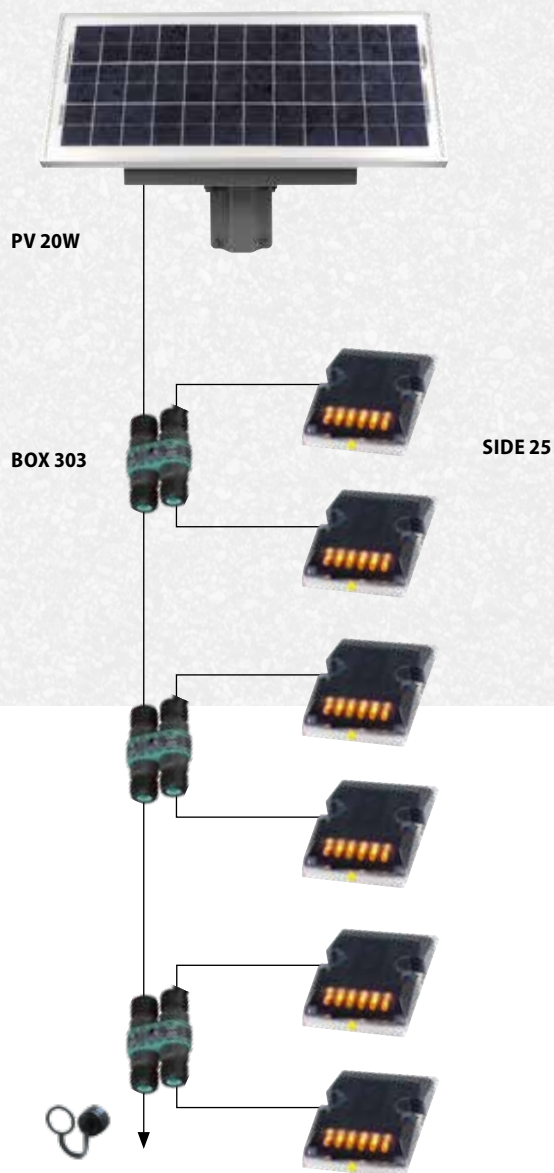


IT IS POSSIBLE TO HAVE A **WIRELESS** COMMUNICATION BETWEEN THE SENSOR AND THE CONTROL UNIT INSTEAD OF THE STANDARD CONNECTION WITH CABLES.

IDEAL FOR ROAD WORKING ZONES, TUNNELS, OVERPASSES OR IN ANY OTHER SITUATION WHERE EXCEEDING THE MAXIMUM HEIGHT ALLOWED CAN BE DANGEROUS.

POWER SUPPLY: 230V, PHOTOVOLTAIC PANEL OR BATTERY.

DANGEROUS POINT KIT



LED MARKERS POWERED BY A COMPACT PHOTOVOLTAIC KIT.

IDEAL FOR DANGEROUS POINTS, ROUNDABOUTS AND FATAL EDGES.



THE KIT INCLUDES:

SIDE 25: LED MARKER SINGLE SIDE AMBER

Box 303: JUNCTION BOX 2/3 OUT, TH 392, IP68, WITH CAP.

COMPACT PHOTOVOLTAIC KIT 20W MOUNTING PLATE- Ø 60.

WATCH THE VIDEO:

[HTTP://WWW.YOUTUBE.COM/WATCH?V=WY50VRA802Q](http://www.youtube.com/watch?v=wY50vra802Q)



NUMBER OF CONNECTED MARKERS:

3	6	7	15	15	30
FLASHING ON TIME 50%	FLASHING ON TIME 50%	FLASHING ON TIME 20%	FLASHING ON TIME 20%	FLASHING ON TIME 10%	FLASHING ON TIME 10%

RADAR BASED **TRAFFIC COUNTER** POWERFUL COMPACT AND EASY TO HANDLE.

EASILY INSTALLED ON THE SIDE OF THE ROAD FROM 1 TO 3 M HIGH.

AVAILABLE E-MAIL VERSION WITH GSM/GPRS/GPS.

THE DEVICE AUTOMATICALLY SENDS ALL STORED TRAFFIC DATA, TOGETHER WITH **GPS** POSITION DETAILS (**GOOGLE MAPS** COMPATIBLE), BY E-MAIL EVERY 1 TO 7 DAYS (ADJUSTABLE).

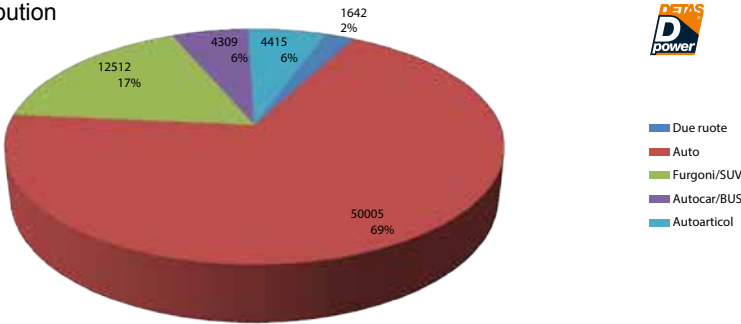
AN E-MAIL OR **SMS** WILL BE SENT IF THE BATTERY VOLTAGE IS LOW OR THE DATA STORAGE IS **95%** FULL.

POWERED BY	 BATTERY 18AH	2 WEEKS OPERATING TIME
SOFTWARE	INCLUDED	
CONNECTION	RS232	BLUETOOTH OR E-MAIL VERSIONS, GSM-GPRS-GPS OPTIONAL
VEHICLE DETECTION	1-255 KM/H	ARRIVING, LEAVING AND BIDIRECTIONAL
DATA	10 SPEED CLASSES 5 VEHICLE CLASSES	360.000 VEHICLES
DIMENSIONS	372 X 260 X 234 MM	



TRAFFIC COUNTER

Vehicle distribution



Evaluation time	lunedì 10 ottobre 2011,10:00 - lunedì 17 ottobre 2011,09:00				
Speed limit	70 km/h	Count	Vd[km/h]	Vmax[km/h]	V85 [km/h]
Speed violations	10,93 %	Due ruote	1642	49	93
Average gap time	7,85 s	Auto	50005	58	120
Queue traffic	32,00 %	Furgoni/SUV	12512	58	109
ADT	10412	Autocar/BUS	4309	55	101
LGV traffic share	11,97 %	Autoarticol	4415	55	94
Evaluation direction	Arriving	Total	72883	58	120
Adaptationer:	Mario Rossi				
Comment:	Viale Italia				
Location:	Brescia				
Arriving vehicles from:					
Departing vehicles to:					



OPTIONAL



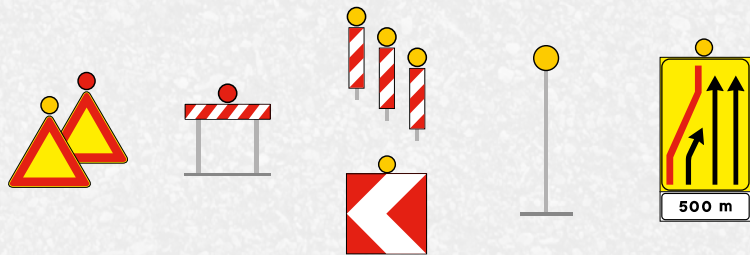
Tablet **ASUS**
+ APP 

BASIC 210



BASIC 210 is a LED WARNING LIGHT FOR TEMPORARY USE.
IT IS AVAILABLE IN DIFFERENT MODELS AND IT IS SUITABLE FOR ALL THE APPLICATION
WHERE THERE IS A NEED TO WARN, INFORM OR GUIDE ROAD USERS.

SOME EXAMPLES OF APPLICATIONS:



CERTIFICATION	EN12352 L8H - L8M
INPUT VOLTAGE	12/24 VDC
LED COLOUR	● ● ●
MAX. POWER CONSUMPTION	7.8 W
DIMENSIONS	Ø 210 X 85 MM

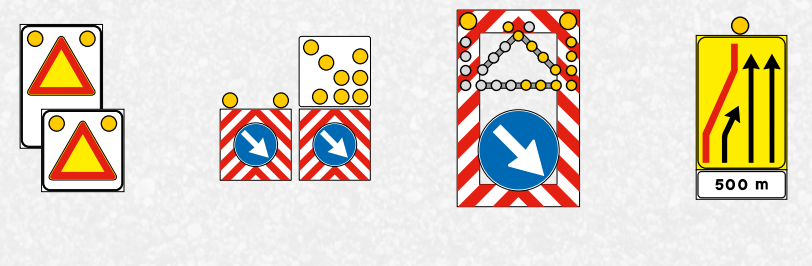
FLASHING	POWER CONSUMPTION @12V	
SINGLE *	5.9 AH	/DAY
SINGLE FL	1.1 AH	/DAY
DOUBLE *	11.8 AH	/DAY
DOUBLE FL	2.2 AH	/DAY

FL (FlashLed) 10% * on time 50%



BASIC 211 is a LED WARNING LIGHT FOR TEMPORARY USE.
It is available in different models and it is suitable for all the application
where there is a need to warn, inform or guide road users.

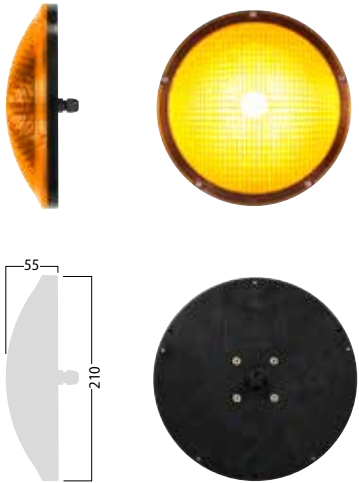
SOME EXAMPLES OF APPLICATIONS:



CERTIFICATION	EN12352 L8H - L8M
INPUT VOLTAGE	12/24 VDC
LED COLOUR	● ● ●
MAX. POWER CONSUMPTION	7.8 W
DIMENSIONS	Ø 210 X 55 MM

FLASHING	POWER CONSUMPTION @12V	
SINGLE *	5.9 AH	/DAY
SINGLE FL	1.1 AH	/DAY
DOUBLE *	11.8 AH	/DAY
DOUBLE FL	2.2 AH	/DAY

FL (FlashLed) 10% * on time 50%

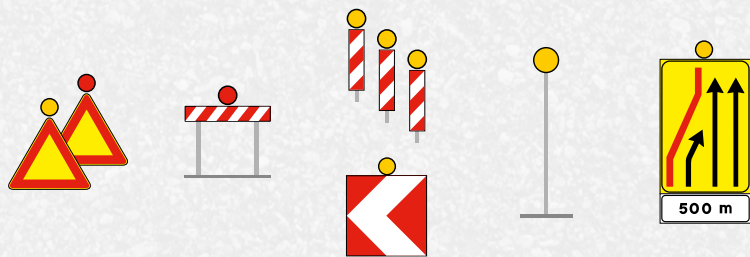


BASIC 308



BASIC 308 IS A LED WARNING LIGHT FOR TEMPORARY USE.
THE HIGH LUMINOUS EFFICIENCY, THE UNIFORMITY AND THE WIDE VISUAL ANGLES, MAKE THIS PRODUCT THE BEST IN ITS CATEGORY.

SOME EXAMPLES OF APPLICATIONS:



COMPLIANCE	EN12352 L9M
INPUT VOLTAGE	12 VDC - 12/24 VDC
LED COLOUR	● ● ●
MAX. POWER CONSUMPTION	17.5 W
DIMENSIONS	Ø 333 X 110 MM

FLASHING	POWER CONSUMPTION @12V	
SINGLE *	11 AH	/DAY
SINGLE FL	2.2 AH	/DAY
DOUBLE *	22 AH	/DAY
DOUBLE FL	4.4 AH	/DAY

FL (FlashLed) 10% * on time 50%

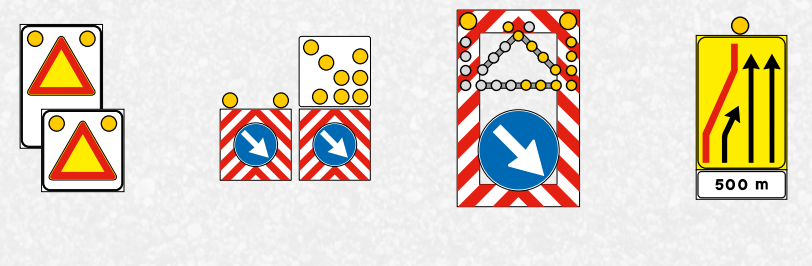


DETAS SpA D-Power division - Via Tre Ponti, 29 - 25086 Rezzato (BS) ITALY
Tel. +39 030 2594120 - info@d-power.com - www.d-power.com
ISO 9001 certified company

BASIC 309 IS THE FLAT VERSION OF THE BASIC 308.

THE HIGH LUMINOUS EFFICIENCY, THE UNIFORMITY AND THE WIDE VISUAL ANGLES, MAKE THIS PRODUCT THE BEST IN ITS CATEGORY.

SOME EXAMPLES OF APPLICATIONS:



CONPLIANCE	EN12352 L9M
INPUT VOLTAGE	12 VDC - 12/24 VDC
LED COLOUR	
MAX. POWER CONSUMPTION	17.5 W
DIMENSIONS	Ø 333 X 64 MM

FLASHING	POWER CONSUMPTION @12V	
SINGLE *	11 AH	/DAY
SINGLE FL	2.2 AH	/DAY
DOUBLE *	22 AH	/DAY
DOUBLE FL	4.4 AH	/DAY

FL (FlashLed) 10% * on time 50%



D-SOLO









LED WARNING LIGHT MONO-BATTERY.

UNBREAKABLE LENS.

WORKS WITH 1 6V 4R25 BATTERY.

EASY TO REPLACE BATTERY. ANTITHEFT METAL BRACKET INCLUDED.

OTHER COLOURS ON REQUEST.

MODEL	D-SOLO			
CERTIFICATION - EN 12352	L6	L7	L7	L7
LED COLOUR	 		 	
OPERATING TIME IN HOURS WITH 1 BATTERY	7 AH	400	500	130
	25 AH	1400	1700	450
	50 AH	2300	3300	900
DIMENSIONS	195 X 360 X 105 MM			











D-STAR v2



LED WARNING LIGHTS.

UNBREAKABLE LENS. WORKS WITH 1 OR 2 6V 4R25 BATTERIES.

METAL BRACKET, RECHARGEABLE VERSION AND OTHER COLOURS ON REQUEST.

MODEL		D-STAR 2 →				FLASHLED	SUPER FLASHLED	HYPER FLASHLED
CERTIFICATION EN 12352		L6	L7	L7	L7	L8G	L8L	L8M
LED COLOUR		 		 		 / 		
OPERATING TIME IN HOURS WITH 2 BATTERIES	7AH	800	1000	250	500	400 / 200	300	100
	25AH	2800	3300	900	1800	1500 / 750	1100	250
	50AH	4500	6600	1800	3600	3000 / 1500	2200	500
DIMENSIONS		195 X 380 X 95 MM						

SOLAR STAR



ROAD WORK LED LIGHTS

SOLAR LED LIGHTS.

SINGLE OR DOUBLE SIDE OPTICS.

PHOTOVOLTAIC MODULE 2x200 mW. BATTERY 4Ah 1.2V Ni-Mh.





ANTI THEFT BRACKET INCLUDED.

MODEL		SOLAR STAR		
COMPLIANCE	UNI EN 12352	L6	L6	L3
LED COLOUR		●●	●	●●
OPERATING TIME W/O SUN	DAYS	35		
DIMENSIONS		210 X 310 X 80 MM		

LED WARNING LIGHTS.

IMPORTED MODEL NOT IN COMPLIANCE WITH EN 12352 .

METAL BRACKET ON REQUEST.

MODEL		MINI D-LITE		MONO D-LITE		
CERTIFICATION		CE (NON COMPLIANCE EN 12352)				
LED COLOUR		 		 		
OPERATING TIME IN HOURS WITH 1/2 BATTERIES		7 AH	700	260	350	130
DIMENSIONS		185 X 330 X 90 MM			180 X 330 X 105 MM	

MINI D-LITE / MONO D-LITE



D2-BASIC 210



LED WARNING LIGHTS.

SINGLE FLASH.



WIDE RANGE OF SETTINGS.

POSSIBILITY OF TWILIGHT FUNCTION.

WORKS WITH 2 OR 4 BATTERIES 6V 4R25.

D4-BASIC 210



MODEL	D2-BASIC 210	D4-BASIC 210
CERTIFICATION EN 12352	L8H - L8M	L8H - L8M
LED COLOUR		
OPERATING TIME IN HOURS WITH 2/4 BATTERIES	7AH	400
	25AH	1400
	50AH	2800
DIMENSIONS	210 X 370 X 113 MM	210 X 420 X 170 MM




ADVANCE WARNING LED LAMP WITH BATTERY KIT.

SINGLE FLASHLED.

WIDE RANGE OF SETTINGS.

POSSIBILITY OF TWILIGHT FUNCTION.

WORKS WITH 4 BATTERIES 6V 4R25.

MODEL		D4C-BASIC 302	D4C-BASIC 210	D4C-BASIC 102
CERTIFICATION EN 12352		L9H - L9M	L8H - L8M	L2H
LED COLOUR				
OPERATING TIME IN HOURS	4 BATT. 7AH	130	400	700
	4 BATT. 25AH	500	1400	2500
	4 BATT. 50AH	1100	2800	5000
	1 BATT. 700AH	7600 (316 DAYS)	15200 (630 DAYS)	--
LIGHT DIMENSIONS		Ø 333 X 110 MM	Ø 210 X 85 MM	Ø 139 X 19 M
BOX DIMENSIONS		150 X 165 X 235 MM		

D4C-BASIC 302



D4C-BASIC 210



D4C-BASIC 102



D2-BASIC 210 RADIO SEQUENCE





D2-BASIC210 RADIO AND D4-BASIC210 RADIO WIRELESS SEQUENCE LIGHTS.

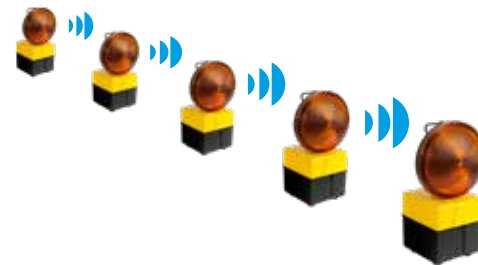
HIGH RELIABILITY.

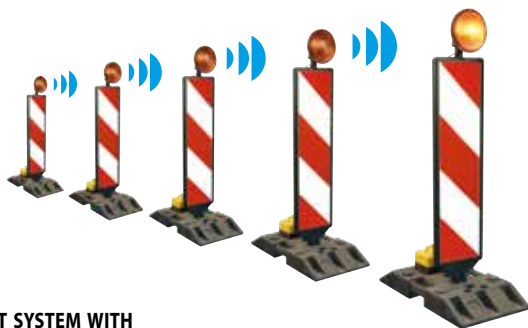
SEVERAL SETTING POSSIBILITIES.

D4-BASIC 210 RADIO SEQUENCE



MODEL	D2-BASIC 210 RADIO	D4-BASIC 210 RADIO
CERTIFICATION EN 12352	L8H - L8M	L8H - L8M
LED COLOUR		
OPERATING TIME FAST SEQ.	7 AH 25 AH 50 AH 205 HRS 750 HRS 1500 HRS	410 HRS 1500 HRS 3000 HRS
MOUNTING	BRACKET FOR POLE 48 OR 60 MM	—
DIMENSIONS	210 X 370 X 113 MM	210 X 420 X 170 MM





LED SEQUENCE LIGHT SYSTEM WITH WIRELESS RADIO TECHNOLOGY.

MIN. DISTANCE BETWEEN LIGHTS 1 M, MAX. 80 M.

NO LIGHTS LIMIT

USER SELECTABLE FUNCTIONS: TWILIGHT SWITCH, FAST
SEQUENCE, NIGHT GUIDE LIGHT.

RADIO MOD. ALSO AVAILABLE WITH SYNCHRONOUS FLASH.

CERTIFICATION EN 12352	D4C-BASIC 210 RADIO: L8H - L8M		
INPUT VOLTAGE	12 V		
OPERATING TIME FAST SEQ.	7 AH: 410 HRS	25 AH: 1500 HRS	50 AH: 3000 HRS
MOUNTING	PANEL ADAPTER, BRACKET FOR 48 OR 60 MM POLE		

LED SEQUENCE LIGHT SYSTEM SELF-CONFIGURING.

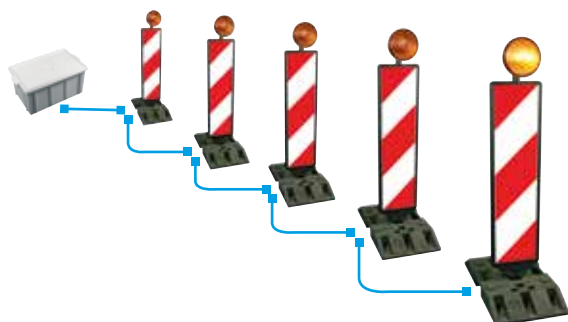
ALL THE LIGHTS ARE THE SAME MODEL.

ELECTRONIC CONTROL INTEGRATED INTO THE LIGHTS.

STANDARD DAY AND NIGHT OPERATION. ON REQUEST ONLY NIGHT.

12V STANDARD 230VAC INPUT ON REQUEST.

CERTIFICATION EN 12352	BASIC 210: L8H - L8M		
SEQUENCE TYPE	SELF-CONFIGURING		
INPUT VOLTAGE	12 V		
CONNECTION CABLES	6 - 13 - 19 - 25 - 39 M	POWER SUPPLY CABLE	10 M
MOUNTING	PANEL ADAPTER, BRACKET FOR 48 OR 60 MM POLE		

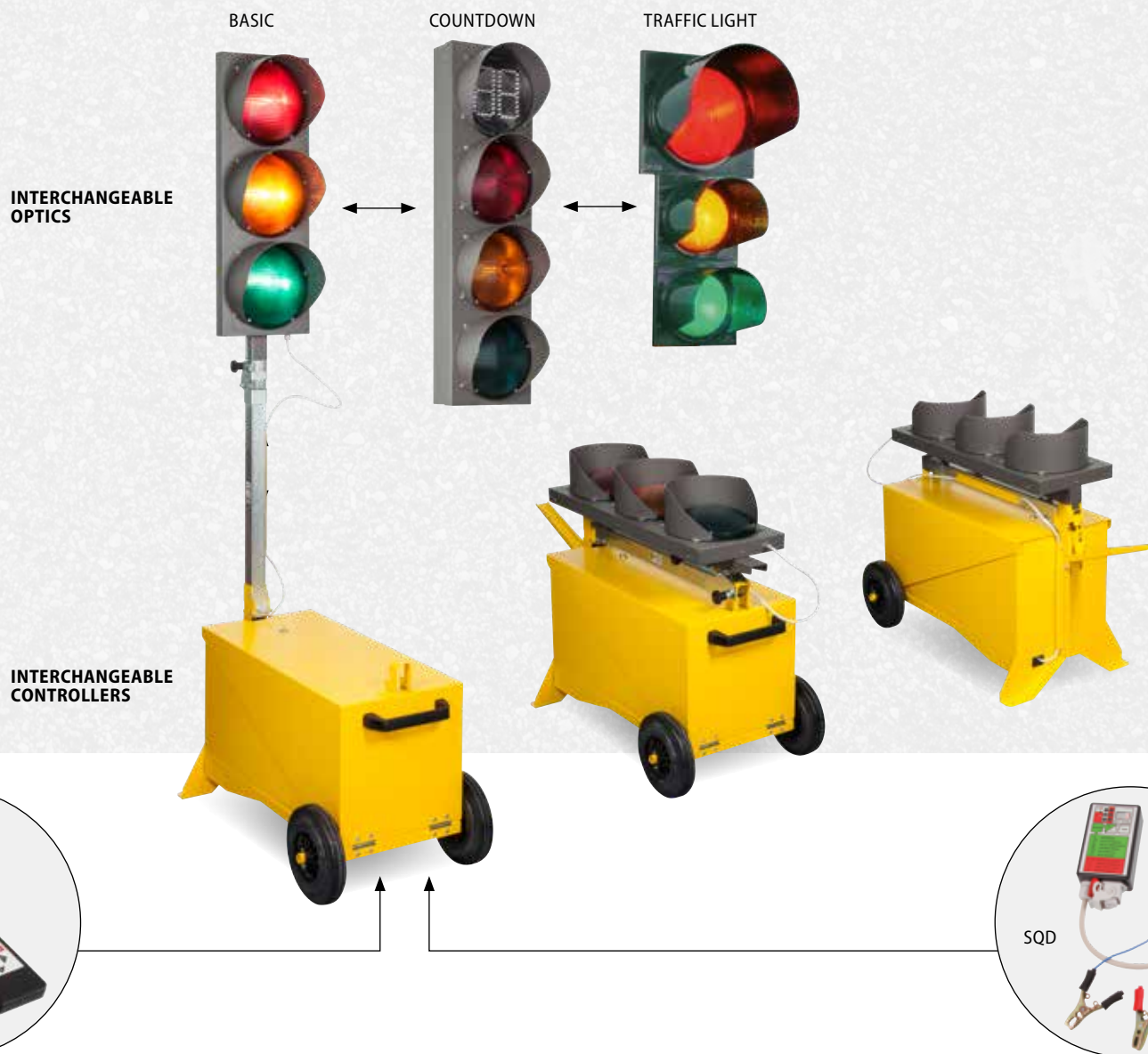


D4C-BASIC 210 RADIO SEQUENCE



BASIC 210 SEQUENCE WITH CABLE



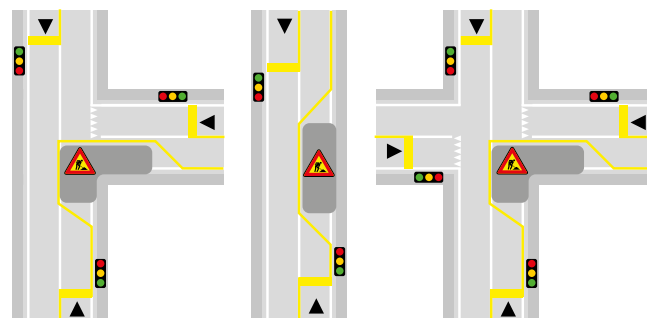


SL16 MPB

MPB ELECTRONIC CONTROLLER.

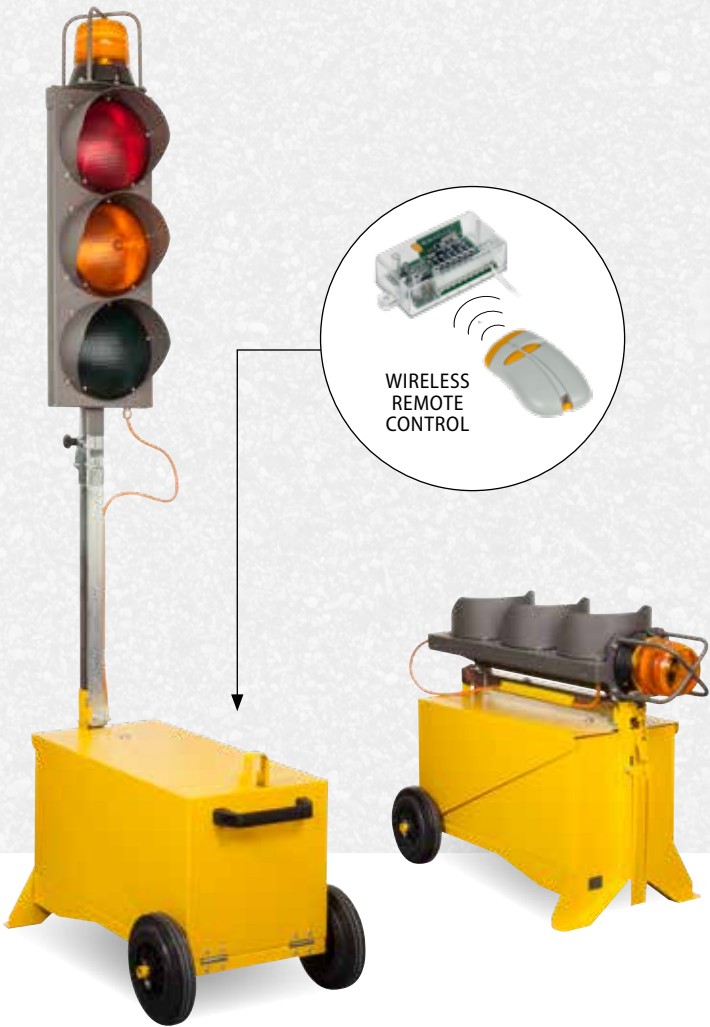
EACH REMOTE CONTROL MANAGES UP TO **4 GROUPS OF 4 TRAFFIC LIGHTS**.
USABLE FOR ALTERNATE ONE-WAY, T INTERSECTION AND 4-WAY INTERSECTION.

4 OPERATING MODES: AUTOMATIC, FLASHING, RED, STANDBY (OFF WITHOUT LOSING SYNC).



SL16 MPB / SL16 SQD / SL16 MANUAL

CERTIFICATION	EN12368 / CE
LED COLOUR	● Ø 200 ● Ø 200 ● Ø 200 / 300 MM
OPERATING TIME 90 AH BATTERY	TRAFFIC LIGHT OPTICS: 430 HRS BASIC OPTICS: 360 HRS
DIMENSIONS (BENDED) ADJUSTABLE HEIGHT	450 X 700 X 850 MM 1800→2050 MM



SL16 SQD

SQD ELECTRONIC CONTROLLER
WITH QUARTZ SYNCHRONIZATION.

EACH CONTROL UNIT MANAGES
ONE TRAFFIC LIGHT. USABLE ONLY
FOR ALTERNATE ONE-WAY.

4 OPERATING MODES: AUTOMATIC,
FLASHING, MANUAL, STANDBY (OFF WITHOUT
LOSING THE SYNCHRONIZATION).



SL16 MANUAL

THE DEVICE IS EQUIPPED WITH A **WIRELESS REMOTE CONTROL** TO
ACTIVATE MANUALLY THE GREEN OR THE RED LIGHT.

THE LED BEACON PLACED ON TOP OF THE TRAFFIC LIGHT IS VISIBLE AT
360° AND IT'S CONNECTED TO THE RED PHASE AS A FEEDBACK FOR THE
OPERATOR USING IT.

IT IS IDEAL FOR ALL SITUATIONS WHERE VEHICLE TRAFFIC MANAGEMENT
IS NOT REGULAR AND MUST THEREFORE BE MANUALLY ADJUSTED:

**TEMPORARY STOPPING THE TRAFFIC TO ALLOW THE EXIT OF
VEHICLES FROM A CONSTRUCTION SITE, PEDESTRIAN CROSSINGS
NEAR SCHOOLS, ETC.**



ISS SERIES


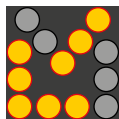
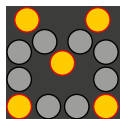
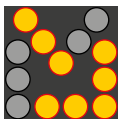


DIRECTIONAL LED ARROWS.

VERSIONS WITH **8** OR **13** LIGHTS.

AVAILABLE MODELS **WITH ELECTRICAL MOTORIZATION (ISS 90x90 E).**


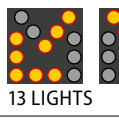
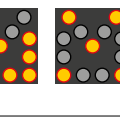

ISS 90x90

CERTIFICATION	BASIC 211 EN12352 L8H		
LED COLOUR			
POWERED BY	12/24 VDC		
MODEL	 13 LIGHTS	 8 LIGHTS	 8 LIGHTS
POWER CONSUMPTION	30 AH		30 AH
DIMENSIONS	900 X 900 X 105 MM		



ISS 90 X 90 E

ISS 60x60

CERTIFICATION	BASIC 102 EN12352 L2H		
LED COLOUR			
POWERED BY	12 VDC 24 VDC ON REQUEST		
MODEL	 13 LIGHTS	 8 LIGHTS	 8 LIGHTS
POWER CONSUMPTION	28 AH		28 AH
DIMENSIONS	600 X 600 X 65 MM		

LIGHT TRAILERS MAX. 750 KG OR JUST THE SIGNALLING PANEL.
CUSTOM DESIGN WITH 23-25 LIGHTS AVAILABLE.
AVAILABLE COMPLETELY AUTOMATIC MOTORIZED VERSION.
CONTROL UNIT WITH LED INDICATION OF THE ARROW POSITION AND REMOTE CONTROL.
WIRELESS REMOTE CONTROL ON REQUEST.

CERTIFICATION	BASIC 211 EN12352 L8H BASIC 302 EN12352 L9H		
LED COLOUR	●		
POWERED BY	12/24 VDC	POWER CONSUMPTION	FIG 400: 72 AH FIG. 401: 120 AH

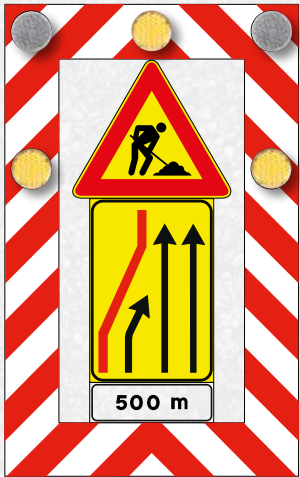


FIG. 400



FIG. 401

Fig. 401

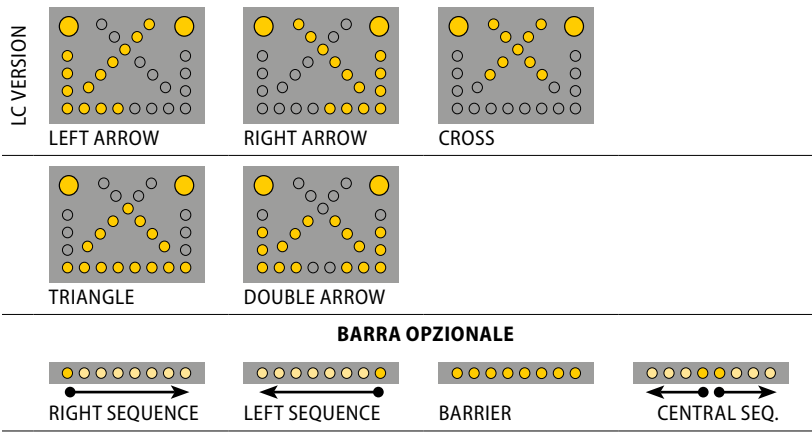
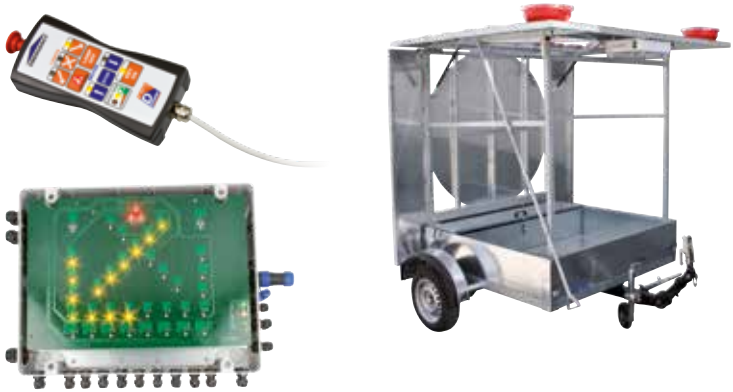
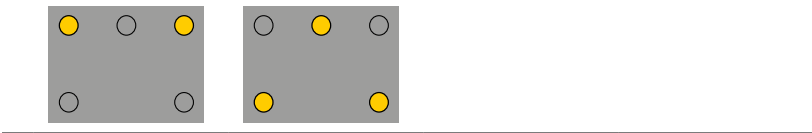


Fig. 400



REMOTE CONTROL AND
CONTROL UNIT

ACCESSORIES

ACCESSORIES

78

ADAPTER FOR Ø40 MM PANELS



METAL BRACKET



SIGNALLING PANEL

DIMENSIONS **290 X 1330 X 50 MM**

- WITHOUT FILM
- WITH DOUBLE SIDE EG CLASS 1 FILM
- WITH DOUBLE SIDE HI CLASS 2 FILM



ANTI THEFT METAL BRACKETS

POLE: Ø48 MM (MAX. Ø50)

POLE: Ø60 MM (MAX. Ø80)

POLE: Ø90 MM



RUBBER BASE

DIMENSIONS **800 X 400 X 120 MM**

WEIGHT **27 KG ±15%**




MULTIFUNCTION KEY



BASIC 102 ADAPTER



4R 2S 6V BATTERIES		
	PACKING WEIGHT	PACKING
7 AH 25 AH 50 AH	15 KG 15 KG 17 KG	24 PCS 20 PCS 20PCS
5 AH RECHARGEABLE	0.8 KG	1 PC



AIR-ALKALINE BATTERIES	
360 AH - 6 V 700 AH - 12 V	6.1 KG 19.8 KG
0% CD - 0% HG	LIGHT CHEAP COMPACT

FOR WARNING LIGHTS UP TO 1 YEAR AUTONOMY AND FOR SEQUENCE SYSTEMS.




RECHARGEABLE BATTERIES 12 V - DEEP CYCLE AGM	
7 AH 12 AH 18 AH 45 AH 90 AH	2.3 KG 4 KG 5.7 KG 15 KG 30 KG



BATTERY TESTER



D4 BOX	
DIMENSIONS	150 X 165 X 235 MM



BATTERY CASE	
DIMENSIONS	680 X 410 X 320 MM



NX230

**RECHARGEABLE AND MAGNETIC LED FLOOD LIGHT.**

3 OPERATING MODE: 100% - 30% INTENSITY AND BLINKING FUNCTION.

CHARGED BY VEHICLE CHARGING CABLE OR 230/12V BATTERY CHARGER.

ALUMINIUM BODY.

STAINLESS STEEL BRACKET.

POLYCARBONATE LENS.

POWER	15 W	BRIGHTNESS	1200 LM
POWERED BY	RECHARGEABLE LITHIUM BATTERY 7.4 V - 4.4 AH	PROTECTION	IP65
RUNTIME	3 HRS (STEADY LIGHT 100%)	CHARGING TIME	7 HRS
DIMENSIONS	115 X 220 X 100 MM	MOUNTING	MAGNETIC

NX270

**LED RECHARGEABLE TORCH WITH SIGNALLING KIT.**

3 OPERATING MODE: 100%-50% INTENSITY AND BLINKING FUNCTION.

CHARGED BY VEHICLE CHARGING CABLE OR 230/12V BATTERY CHARGER.

RED-YELLOW CONES AND TRIPOD PROVIDED.



LIGHT BEAM	5° X 800 M	BRIGHTNESS	140 LM
POWERED BY	4.8 V - 2.2 AH	PROTECTION	IP65
RUNTIME	3 HRS (STEADY LIGHT 100%)	CHARGING TIME	8 HRS
DIMENSIONS	Ø55 X 265 MM	MOUNTING	ADAPTER

EMERGENCY LED KIT FOR DANGEROUS ZONES, ACCIDENT ETC.

9 DIFFERENT FLASHING PATTERNS.

CHARGING FROM THE MAINS OR CIGARETTE LIGHTER.

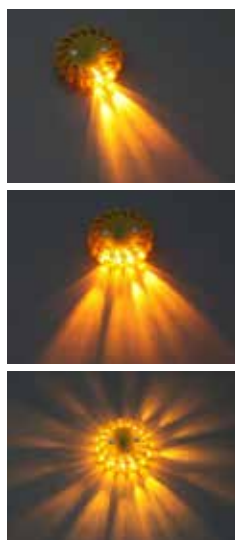
LITHIUM-ION BATTERY, RUNTIME FROM 5 TO 60 HOURS.

MAGNETIC, SHOCK RESISTANT AND WATERPROOF.



WATCH THE VIDEO:

[HTTP://WWW.YOUTUBE.COM/WATCH?V=CvDTQvQaS6A](http://www.youtube.com/watch?v=CvDTQvQaS6A)



6 LIGHT KIT

SINGLE LIGHT KIT



ZEUS

POWERED BY	6 VDC	BRIGHTNESS	>1600 CD
BATTERIES	N.1 4R25 N.4 D SIZE (ADAPTER INCLUDED)	RUNTIME	48 HRS FULL BRIGHTNESS
DIMENSIONS	100 X 120 X 170 MM	PROTECTION	IP65

LED TORCH

POWERED BY	3 VDC	LED COLOUR	● (STEADY) ● (STEADY/FLASH.)
BATTERIES	NR. 2 1.5 V TYPE D	RUNTIME	60 HRS (STEADY) 120 HRS (FLASH.)
DIMENSIONS	Ø 40 X 550 MM	PROTECTION	IP65

IMPULSE 102



ZEUS

LED TORCHES

S1

LED TORCH / LED SIGNALLING DISC



BLAZE LED



LED MINI BAR ROTATOR VERSION.

LOW AERODYNAMIC IMPACT.

COLOUR	●
INPUT VOLTAGE	12 VDC 24 VDC
POWER CONSUMPTION @12V	3 A
MOUNTING	FIXED OR MAGNETIC
DIMENSIONS	400 X 145 X 210 MM

HIGH INTENSITY LED MINI BAR WITH 8 REFLECTOR MODULES.

17 SELECTABLE FLASH PATTERNS.

EUROPEAN APPROVAL	ECE65R
LED COLOUR	●
INPUT VOLTAGE	12/24 VDC
AVERAGE POWER CONSUMPTION	5.1 A
MOUNTING	FIXED OR MAGNETIC
DIMENSIONS	381 X 79 X 229 MM

LED LIGHTBAR

S2

5565 SERIES



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ISO 9001 certified company

**SLIM PROFILE AND ULTRA-BRIGHT LED LIGHT BAR
WITH MINIMUM AERODYNAMIC IMPACT.**

- LOW CURRENT DRAW.
- LONG LIFE LEDs MAINTENANCE-FREE.
- 360° LIGHT OUTPUT.
- BUILT-IN 33 SELECTABLE FLASH PATTERNS.
- 7 STANDARD CONFIGURATIONS ECE65R.
- OPTIONAL CONTROL UNIT.

OMOLOGAZIONE EUROPEA	ECE65R
COLORI	●
TENSIONE INGRESSO	12/24 VDC
CONSUMO MEDIO	7.2 A
ATTACCO	FISSO
LUNGHEZZE DISPONIBILI	1220 MM - 1370 MM - 1520 MM



CONTROL UNIT

- ULTRA BRIGHT LED LIGHT BAR, LONG-LIFE LEDs MAINTENANCE-FREE.**
- 360° LIGHT OUTPUT.
 - OPAL CENTRAL SECTION.
 - SOLID ALUMINIUM STRUCTURE.

EUROPEAN APPROVAL	ECE65R
LED COLOUR	●
BEACON	24
INPUT VOLTAGE	12/24 VDC
AVERAGE POWER CONSUMPTION	3.6 A6.6 A
MOUNTING	FIXED
AVAILABLE LENGTHS	742 MM1000 MM1212 MM



400 SERIES - ROTATOR



400 SERIES



GDO LED



ROTATOR FOR INDUSTRIAL AND SAFETY VEHICLES.

EUROPEAN APPROVAL	ECE65R
COLOUR	●
INPUT VOLTAGE	12/24 VDC
POWER CONSUMPTION	4.6 A @ 12 V
MOUNTING	FIXED OR MAGNETIC
DIMENSIONS	Ø165 X 150 MM

LED BEACON FOR OR INDUSTRIAL AND SAFETY VEHICLES.

AVAILABLE BLUE VERSION FOR LAW ENFORCEMENT VEHICLES.

EUROPEAN APPROVAL	ECE65R
LED COLOUR	● ●
INPUT VOLTAGE	12/24 VDC
POWER CONSUMPTION	0.72 A @ 12 V
MOUNTING	FIXED OR MAGNETIC
DIMENSIONS	Ø140 X 152 MM F Ø140 X 165 MM M

LED BEACON FOR OR INDUSTRIAL AND SAFETY VEHICLES.

AVAILABLE BLUE VERSION FOR LAW ENFORCEMENT VEHICLES.

EUROPEAN APPROVAL	ECE65R
LED COLOUR	● ●
INPUT VOLTAGE	12/24 VDC
POWER CONSUMPTION	0.9 A @ 12 V
MOUNTING	MAGNETIC
DIMENSIONS	192 X 127 X 124 MM

BASIC BAR 304



DIRECTIONAL LIGHT BAR WITH
CONTROL HEAD RIGHT / LEFT / FLASHER.
LENGTH 222 CM,
WITH EXTERNAL CONTROLLER.
6 BAISC304 LED LIGHTS
APPROVED TO **EN 12352 L9H.**
12 OR 24 V.

BASIC BAR 210



DIRECTIONAL LIGHT BAR WITH
CONTROL HEAD RIGHT / LEFT / FLASHER.
LENGTH 130 CM.
WITH EXTERNAL CONTROLLER.
5 BASIC210 LED LIGHTS
APPROVED TO **EN12352 L8H.**
12 OR 24 V.



BASIC BAR 102



LAMPEGGIO DX / SX / FLASHER.
LUNGHEZZA 100 o 110 CM,
CON CENTRALINA ESTERNA.
5 PROIETTORI BAISC102 LED
CERTIFICATI **EN 12352 L2H.**
12 V.

ED3300 SERIES



LED LIGHT BAR.

DIRECTIONAL ARROW WITH CONTROL HEAD RIGHT / LEFT / FLASHER.

WITH EXTERNAL CONTROLLER.

LED COLOUR	●
INPUT VOLTAGE	12 / 24 VDC
MAX. POWER CONSUMPTION	1.6 A
MOUNTING	FIXED
DIMENSIONS	1232 X 51 X 76 MM

86

VARIABLE MESSAGE SIGN



RA20



RA40



VEHICLE VARIABLE MESSAGE SIGN.

AVAILABLE MOTORIZED VERSION.

80 MESSAGES.

LED COLOUR	● ● ON REQUEST
INPUT VOLTAGE	12 VDC
MOUNTING	FIXED OR MAGNETIC
DIMENSIONS	LENGTH: 500 O 1000 MM 102 X 64 MM



NCC3-A / NCC6-A

3 or 6 LED MODULES.

DO NOT REQUIRE ANY EXTERNAL CONTROLLER.

SEVERAL FLASHING PATTERNS.

EUROPEAN APPROVAL	ECE65R
LED COLOUR	●
INPUT VOLTAGE	12 / 24 VDC
AVERAGE POWER CONSUMPTION	0.3 A @ 12 V NCC3-A 1.5 A @ 12 V NCC3-A
MOUNTING	FIXED
DIMENSIONS	94 X 39 X 34 MM 142 X 30 X 35 MM



VEHICLE WARNING LIGHTS

4 LED MODULES.

DO NOT REQUIRE ANY EXTERNAL CONTROLLER.

SEVERAL FLASHING PATTERNS.

EUROPEAN APPROVAL	ECE65R
LED COLOUR	● ● ○ ●
INPUT VOLTAGE	12 / 24 VDC
MAX. POWER CONSUMPTION	0.8 A @ 12 V
MOUNTING	FIXED
DIMENSIONS	146 X 45 X 24 MM

NCC44

S7



GOLIGHT 2020



WIRED REMOTE CONTROL.

CABLE WITH CONNECTOR L=500 MM.

UV RAY AND SALTWATER RESISTANT.

INPUT VOLTAGE	12 VDC	LUMINOUS INTENSITY	400.000 CD
POWER CONSUMPTION	65 W	AVERAGE AMP. DRAW	5.5 A
MOUNTING	FIXED / SUCTION CUP	ROTATION	370° X 135° VERTICAL
DIMENSIONI	165 X 178 X 178 MM		



GOLIGHT STRICKER 3051



ON REQUEST WHITE COLOUR.

WIRELESS REMOTE CONTROL.

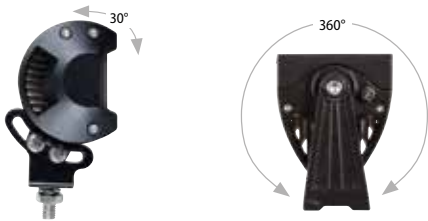
WEATHERPROOF FOR LAND AND SEA APPLICATIONS.

INPUT VOLTAGE	12 VDC	LUMINOUS INTENSITY	500.000 CD
POWER CONSUMPTION	65 W	AVERAGE AMP. DRAW	5.5 A
MOUNTING	FIXED	ROTATION	370° X 135° VERTICAL
DIMENSIONI	170 X 182 X 206 MM		



LED WORK LIGHTS FOR FIXED MOUNTING ON VEHICLES.
WHITE LIGHT (6500K), LUMINOUS BEAM 60°.
HIGH EFFICIENCY OPTICS (93%).
LED POWERED SINGULARLY: ONE SINGLE FAILURE DOESNT COMPROMISE
FUNCTIONALITY OF THE LIGHTIG BODY.
PROTECTION: IP67.

MODELS	POWER CONS.	INPUT VOLTAGE	LUMINOUS FLUX	DIMENSIONS
DTS-LED POINT 6	18 W	9÷32 VDC	1260 LM	96 X 79 X 64 MM
DTS-LED POINT 12	36 W		2520 LM	164 X 79 X 64 MM
DTS-LED POINT 18	54 W		3780 LM	232 X 79 X 64 MM
DTS-LED POINT 24	45 W	24 VDC	6480 LM	355 X 80 X 85 MM
DTS-LED POINT 40	75 W		10800 LM	560 X 80 X 85 MM



DTS-LED POINT



DTS-LED POINT 6



DTS-LED POINT 12



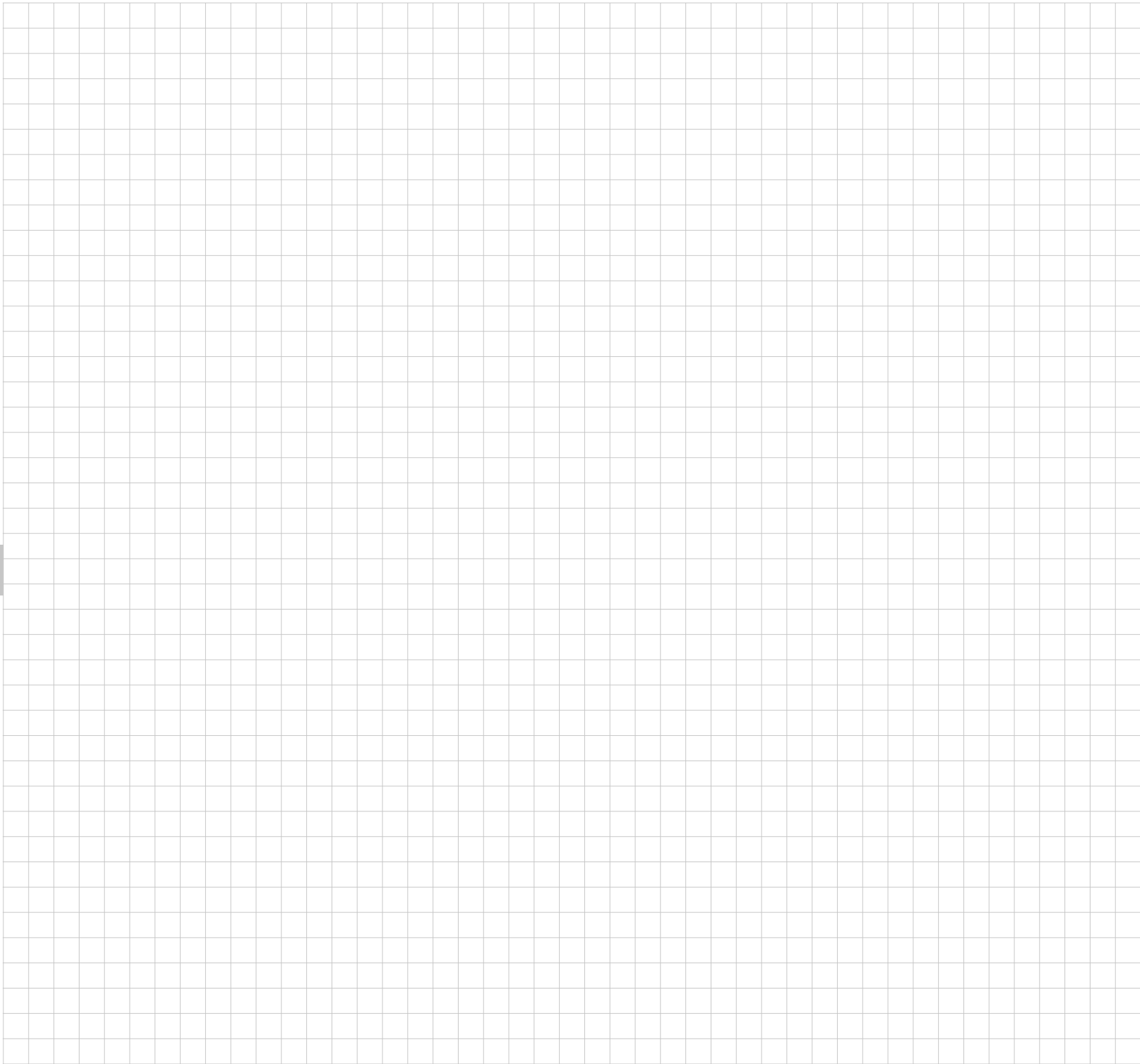
DTS-LED POINT 18



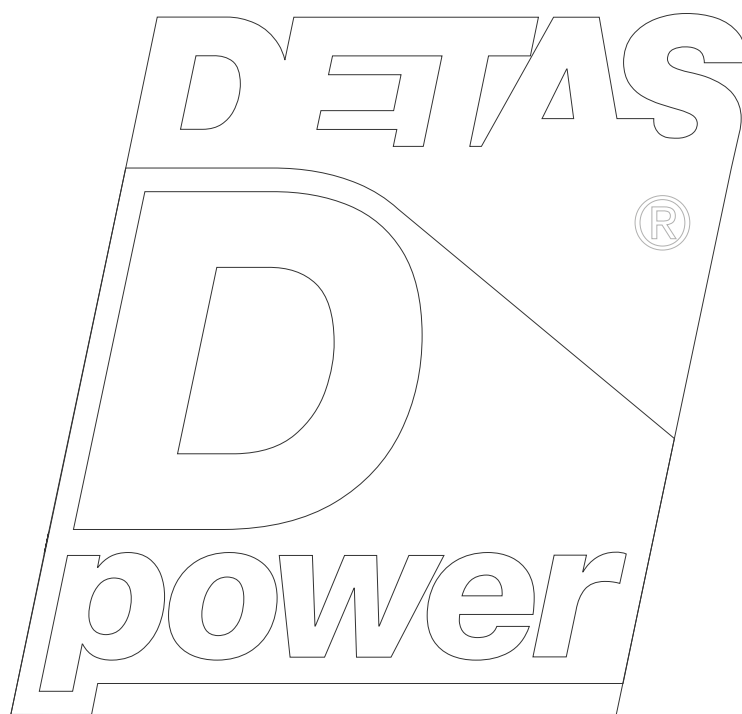
DTS-LED POINT 24



DTS-LED POINT 40



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