



**THORN**  
LIGHTING

**CESAR OPERA**  
**(WALK OVER)**

**PAINT THE TOWN**

# PAINT THE TOWN

Cesar Opera is a range of in-ground walk-over luminaires perfect for urban areas, residential projects and public parks.

Round in shape, they are available in four sizes and four different beam angles, from a soft and diffused effect, a Narrow Beam or Asymmetrical distribution.

A wide beam angle is also available thanks to Cesar Opera's comfortable double inner reflector and recessed LED light engine. Precise light distributions are standard for this range thanks to tiltable optics.

As well as being available in CRI 90 (2700 K, 3000 K and 4000 K), Cesar Opera Large and Extra Large variants are available RGBW (Medium Beam option) meaning a splash of colour can be added to any scheme to draw interest or to offer colour change for events or local celebrations.

The range comes with either Non-Dim, DALI-2 on-board (Large and Extra Large) or for Small and Medium sized versions, a remote DALI-2 driver is available.





# CESAR OPERA

## FEATURES

### SHAPE AND SIZES

Cesar Opera walk over is a round in-ground luminaire available in four sizes (Small to Extra Large) with a stainless steel outer bezel or aluminium finish.

### LIGHT QUALITY

CRI 90 White LED and COB Versions.

### CONTROLLABILITY

Cesar Opera walk over is available with Non-Dim, DALI-2 on-board (Large and Extra Large) and for Small and Medium, a remote DALI-2 driver can be ordered separately.

### DURABILITY

Cesar Opera walk over is rated IK09 and IP67. Corrosion Class C3.

### HOUSING COLOUR

Available in White (R9016), Black (R9005), Light Grey (R9006) and Anthracite Grey (G9005).

### WIRING

Luminaire supplied with neoprene 0.5 m H07RN-F cable and connector, or 0.2 m cable and connector for Cesar Opera L and XL non-RGBW variants.

### TECHNICAL DESCRIPTION

Die-cast aluminium housing with high corrosion resistance.

Marine grade stainless steel AISI 316L 2 mm thick front bezel or aluminium.

Toughened glass diffuser 8 mm thick for Small and Medium, 10 mm thick for Large and 12 mm for Extra Large.

Stainless steel A4 screws.

Silicone gaskets.

Double Powder Paint process.

Supplied with polypropylene recessing box.

Electrical Class I.

3SDCM.

Risk Class RG1.

Operating Ambient Temperature  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ .

Lifetime 70 000 Hrs L80 B10 Ta  $25^{\circ}\text{C}$  / 50 000 Hrs L80 B10 Ta  $40^{\circ}\text{C}$ .

Maximum load capacity 1020 kg for Extra Large and Large sizes.

Maximum load capacity 510 kg for Medium and Small sizes.

### CERTIFICATION









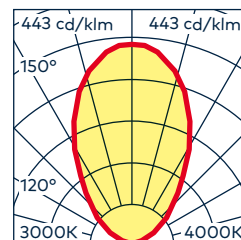
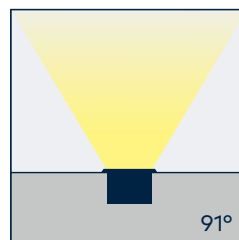
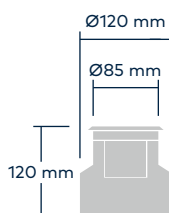
# PHOTOMETRIC SUMMARY

Size	Colour temp	No. of LEDS	Beam angle	Lumen output (lm)	Power (W)	Rated input power (W)	Luminaire efficacy (lm/W)
Small	2700 K	1	Wide Beam (91°)	19	1.1	2.2	8.64
	3000 K			20			9.09
	4000 K			21			9.55
	2700 K	1	Narrow Beam (12°)	160	2.2	3.6	44.44
	3000 K			170			47.22
	4000 K			193			53.61
Medium	2700 K	1	Wide Beam (81°)	33	1.5	3	11.00
	3000 K			35			11.67
	4000 K			38			12.67
	2700 K	2	Narrow Beam (11°)	283	4.3	5.6	50.54
	3000 K			306			54.64
	4000 K			343			61.25
	2700 K		Asymmetric	449			50.18
	3000 K			480			54.64
	4000 K			497			63.93
	2700 K	1	Medium Beam (31°)	411	6.6	8.7	47.24
	3000 K			434			49.89
	4000 K			458			52.64
Large	2700 K	24	Wide Beam (80°)	57	8.4	9.8	5.82
	3000 K			92			9.39
	4000 K			101			10.31
	2700 K	9	Narrow Beam (11°)	1011	14.8	16.6	60.90
	3000 K			1143			68.86
	4000 K			1179			71.02
	2700 K		Asymmetric	1083			65.24
	3000 K			1188			71.57
	4000 K			1250			75.30
	2700 K	1	Medium Beam (25°)	940	11.5	15.2	61.84
	3000 K			973			64.01
	4000 K			1027			67.57
	RGBW	3		640	15.9	19.8	32.32
Extra Large	2700 K	30	Wide Beam (85°)	263	10.5	11.1	23.69
	3000 K			289			26.04
	4000 K			320			28.83
	RGBW	5	Medium (34°)	1124	26.6	30.4	36.97
	2700 K	16	Narrow Beam (11°)	2229	31.1	33	67.55
	3000 K			2427			73.55
	4000 K			2636			79.88
	2700 K		Asymmetric	2377			72.03
	3000 K			2407			72.94
	4000 K			2672			80.97
	2700 K		Medium Beam (29°)	2515	28.2	33.2	75.75
	3000 K			2602			78.37
	4000 K			2790			84.04

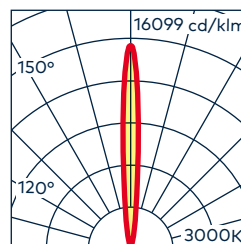
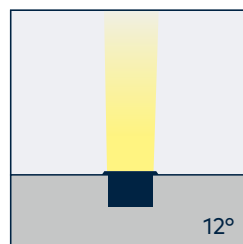
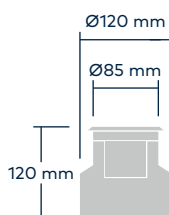


# CESAR OPERA

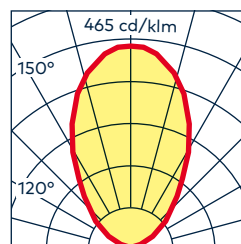
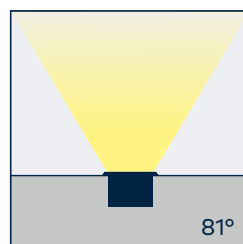
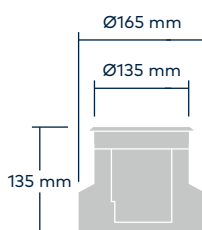
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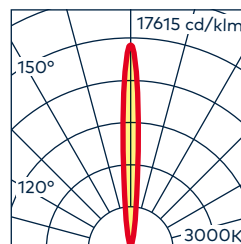
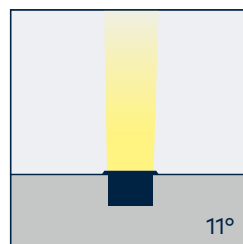
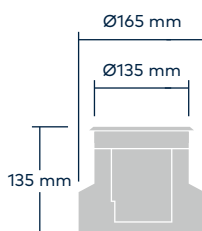
## SMALL (NARROW BEAM)



## MEDIUM (WIDE BEAM)

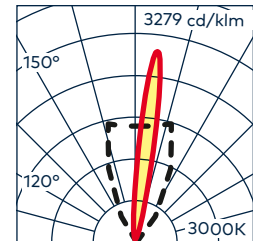
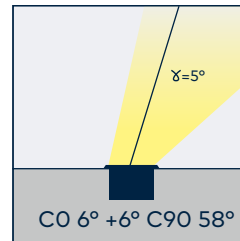
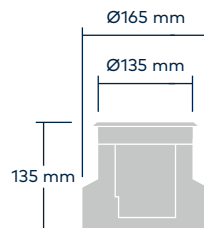


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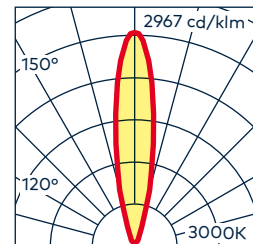
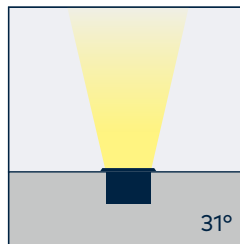
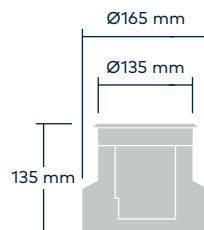


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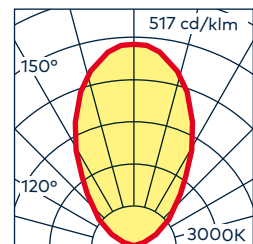
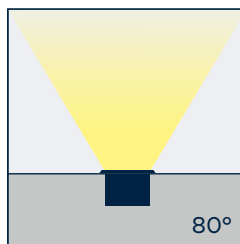
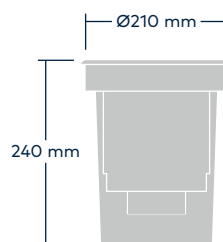
## MEDIUM (ASYMMETRIC BEAM)



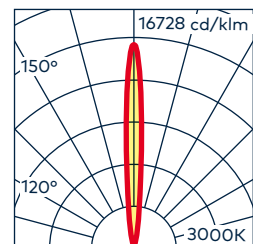
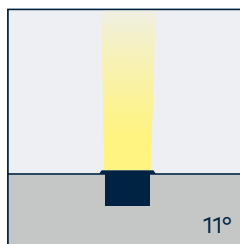
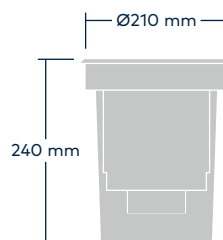
## MEDIUM (MEDIUM BEAM)



## LARGE (WIDE BEAM)

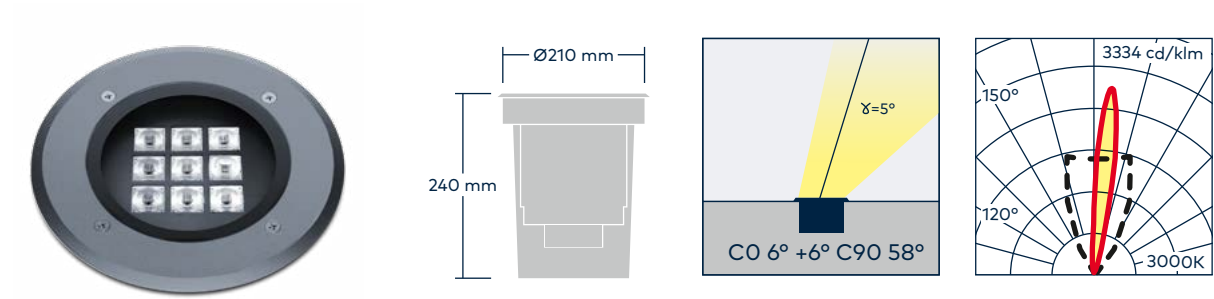


## LARGE (NARROW BEAM)

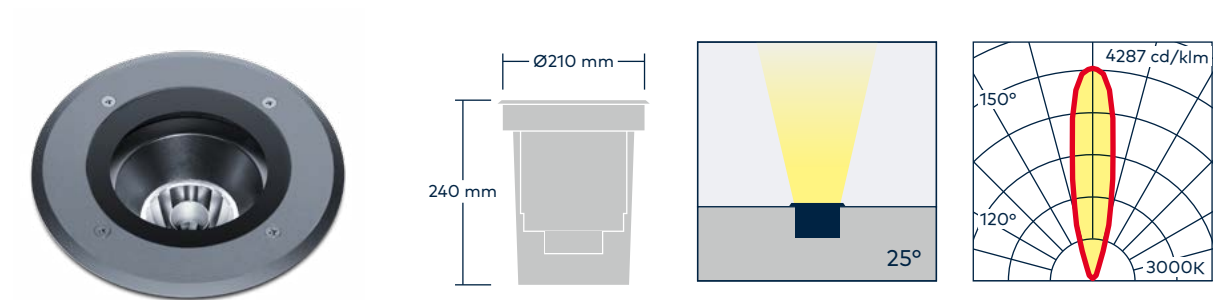




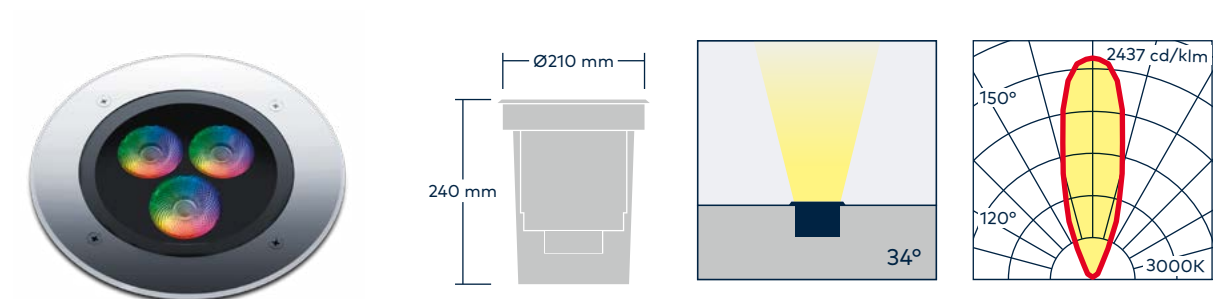
**LARGE (ASYMMETRIC BEAM)**



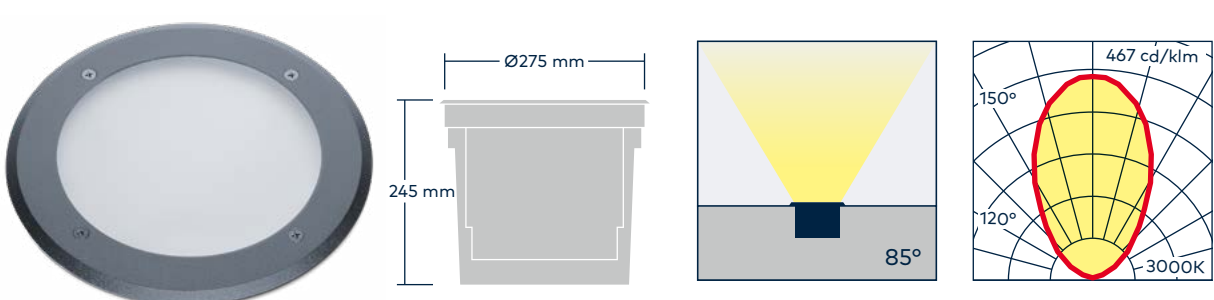
**LARGE (MEDIUM BEAM)**



**LARGE (RGBW - MEDIUM BEAM)**

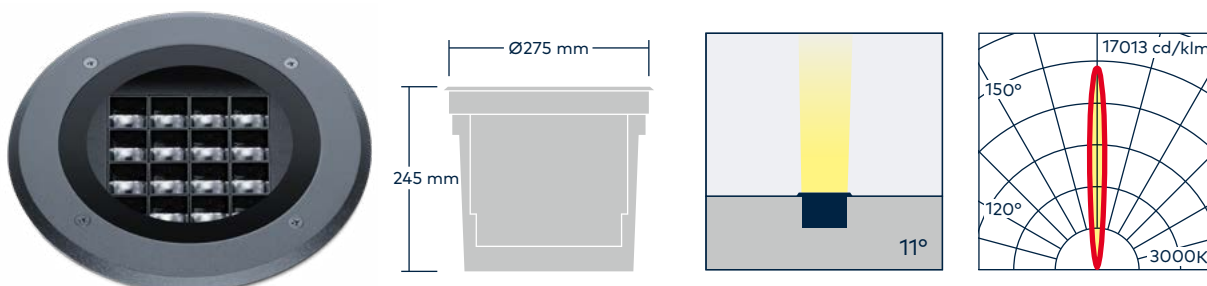


**EXTRA LARGE (WIDE BEAM)**

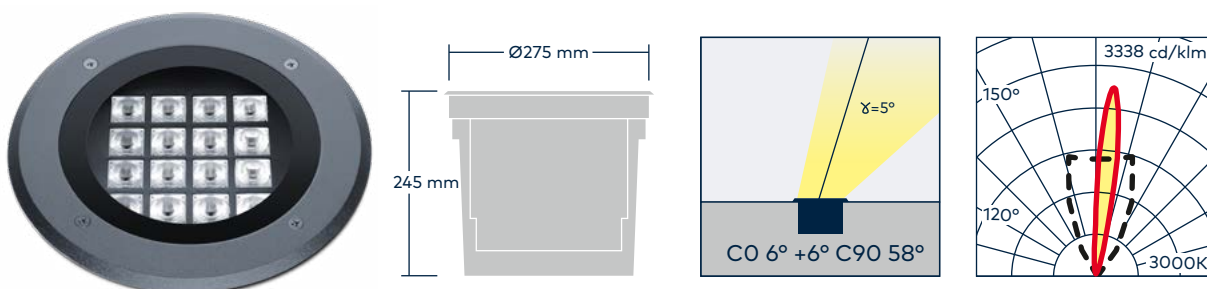


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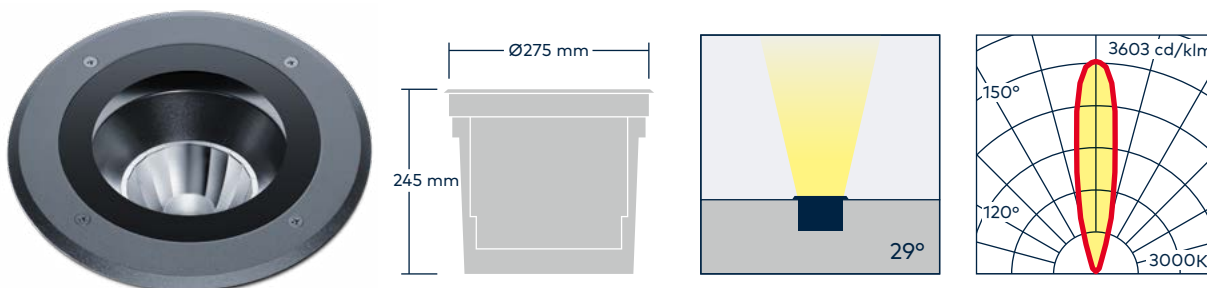
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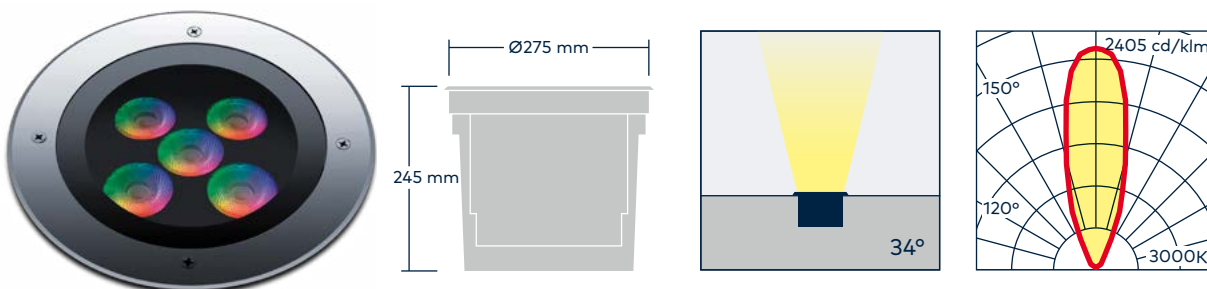
## EXTRA LARGE (ASYMMETRIC BEAM)



## EXTRA LARGE (MEDIUM BEAM)



## EXTRA LARGE (RGBW - MEDIUM BEAM)





# ACCESSORIES

## ORDERING CODE: 96700028

### (GB IP67 20 W 230 V 250-700 CL2 HFX)

230 V / 250 mA-700 mA DALI, DIM IN BOX.

IP67, 20 W, Class II

Dimensions: 175.5 mm x 86.5 mm x 43 mm



## ORDERING CODE: 96700031

### (BOX 60 W IP55 230 V-24 VPWM DALI RGBW)

230 V-24 VPWM DALI RGBW

IP55, 60 W, Class II

Dimensions: 260 mm x 260 mm x 100 mm



## ORDERING CODE: 96700032

### (BOX 90 W IP55 230 V-24 VPWM DALI RGBW)

230 V-24 VPWM DALI RGBW

IP55, 90 W, Class II

Dimensions: 260 mm x 260 mm x 100 mm



## ORDERING CODE: 96700033

### (BOX 320 W IP55 230 V-24 VPWM DALI RGBW)

230 V-24 VPWM DALI RGBW

IP55, 320 W, Class II

Dimensions: 326 mm x 300 mm x 128 mm



Luminaire variant	96700028	96700031	96700032	96700033
Small (Wide Beam)	7	–	–	–
Small (Narrow Beam)	5	–	–	–
Medium (Medium Beam)	3	–	–	–
Medium (Asymmetric Beam)	4	–	–	–
Medium (Narrow Beam)	4	–	–	–
Medium (Wide Beam)	6	–	–	–
Large (RGBW – Medium Beam)	–	3	5	20
Extra Large (RGBW – Medium Beam)	–	2	3	12

## For all drivers:

Maximum distance between luminaire and power supply: 10 m

Operating ambient temperature: –20 °C to 50 °C

Built-in surge protection (kV) L/N-PE: 2 kV



BUILD YOUR PRODUCT

# CESAR OPERA



## IN GROUND WALK OVER

Product	Size (Shape)	Mounting	LED
Cesar Opera	85 mm diameter (front ring)	Walk Over <b>WO</b>	Chip On Board Single LED <b>1L</b>
	135 mm diameter (front ring) or 130 mm (SS only)		LED Module 2 LEDs <b>2L</b>
	210 mm diameter (front ring) or 200 mm (SS only)		LED Module 3 RGBW LEDs <b>3L</b>
	280 mm diameter (front ring) or 275 mm (SS only)		LED Module 5 RGBW LEDs <b>5L</b>
			LED Module 3 x 3 LEDs <b>9L</b>
			LED Module 4 x 4 LEDs <b>16L</b>
			LED Module 6 x 4 LEDs <b>24L</b>
			LED Module 6 x 5 LEDs <b>30L</b>

### EXAMPLE PRODUCT DESCRIPTION

Cesar Opera	M	WO	3L
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Colour temp	Optic	Control	Body colour
CRI 90 2700 K <b>927</b>	Transparent glass – Narrow Spot Beam 12° with lens – Adjustable +/- 15° (M, L and XL) <b>NB</b>	Non-Dim <b>HF</b>	Stainless Steel <b>SS</b>
CRI 90 3000 K <b>930</b>	Transparent glass – Medium Beam 25° (L and XL) or 31° (M) with reflector – Adjustable +/- 15° <b>MB</b>	DALI-2 <b>HFX</b>	White texturised <b>WH</b>
CRI 90 4000 K <b>940</b>	Acid Etched glass – Diffused Wide Symmetrical Beam 81° (S), 70° (M), 79° (L), 85° (XL) <b>WB</b>	Remote DALI-2 <b>RD*</b>	Black texturised <b>BK</b>
RGBW (W=3000 K) <b>RGBW</b>	Transparent glass – Asymmetrical Beam 58° with lenses – Adjustable +/- 5° <b>AS</b>	No driver on-board Dimmable via remote Power Supply DALI DT6 (for RGBW variant) <b>PWM**</b>	Light Grey texturised <b>GY</b>
			Anthracite Grey texturised <b>ANT</b>

### EXAMPLE PRODUCT DESCRIPTION (CONTINUED)

RGBW	MB	PWM	ANT
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\* Note: If the RD (Remote DALI-2) option is selected, this will need ordering separately.

Visit the website for more information.

\*\* Note: For RGBW Variant (Large and Extra Large only) the PWM option should be selected above.



As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries.  
[thornlighting.com/guarantee](https://thornlighting.com/guarantee)

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09/2024 (INT)

**WE  
MAKE  
LIGHT  
WORK**