



# NIPPER

IP 65 compact LED downlight, technicity and elegance combined

## DESIGN

WACO

## DESCRIPTION

Compact ceiling recessed downlight made of steel and aluminium. Powder coated in either structural white or black paint. Thanks to its cover glass, sealed construction and additional gaskets Nipper has an IP 65 front rating.

## LED INFO

Cree COB modules integrated, ensuring a great performance and high system efficacy.

## RANGE

Nipper comes in a 1000lm and 1800lm versions in 2700, 3000 and 4000K, both CRI80+ and CRI90+, both with either a fixed output driver or a DALI driver. Available with black or white anti-glare baffle.

## POWER SUPPLY

230V (LED driver included)

## INSTALLATION

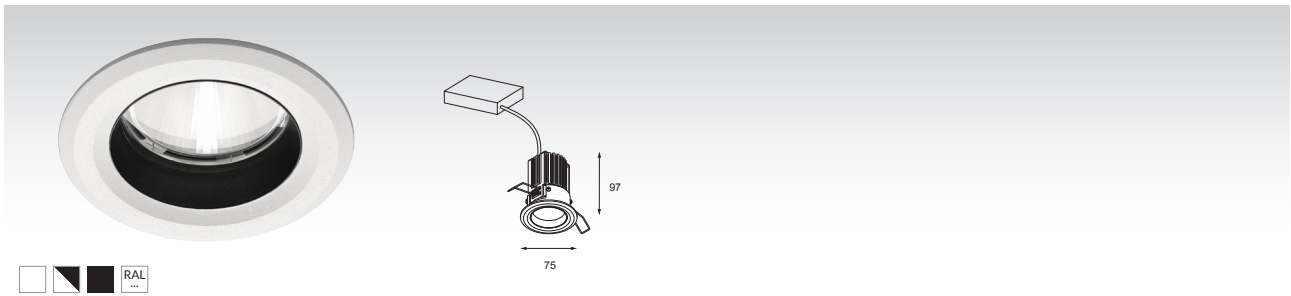
Ceiling recessed by means of torsion springs.

## AMBIENT TEMPERATURE

8W & 10W : 0°C + 35°C

17W & 20W : 0°C + 30°C





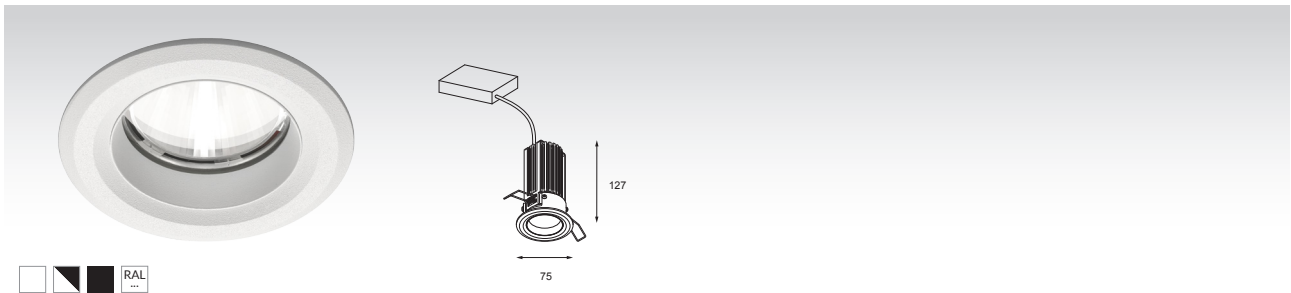
| 1000lm | W (system) | lm/W (system) | CRI | CCT   | White structure | Black + white structure | Black structure |
|--------|------------|---------------|-----|-------|-----------------|-------------------------|-----------------|
| spot   | 8,4W       | 93lm/W        | >80 | 2700K | 365.01.RA.09.1  | 365.01.RA.26.1          | 365.01.RA.17.1  |
|        | 8,4W       | 93lm/W        | >80 | 3000K | 365.01.RB.09.1  | 365.01.RB.26.1          | 365.01.RB.17.1  |
|        | 8,4W       | 101lm/W       | >80 | 4000K | 365.01.RC.09.1  | 365.01.RC.26.1          | 365.01.RC.17.1  |
| medium | 8,4W       | 94lm/W        | >80 | 2700K | 365.01.RA.09.2  | 365.01.RA.26.2          | 365.01.RA.17.2  |
|        | 8,4W       | 94lm/W        | >80 | 3000K | 365.01.RB.09.2  | 365.01.RB.26.2          | 365.01.RB.17.2  |
|        | 8,4W       | 102lm/W       | >80 | 4000K | 365.01.RC.09.2  | 365.01.RC.26.2          | 365.01.RC.17.2  |
| flood  | 8,4W       | 93lm/W        | >80 | 2700K | 365.01.RA.09.3  | 365.01.RA.26.3          | 365.01.RA.17.3  |
|        | 8,4W       | 93lm/W        | >80 | 3000K | 365.01.RB.09.3  | 365.01.RB.26.3          | 365.01.RB.17.3  |
|        | 8,4W       | 101lm/W       | >80 | 4000K | 365.01.RC.09.3  | 365.01.RC.26.3          | 365.01.RC.17.3  |

| 1000lm | W (system) | lm/W (system) | CRI | CCT        | White structure | Black + white structure | Black structure |
|--------|------------|---------------|-----|------------|-----------------|-------------------------|-----------------|
| spot   | 9,8W       | 69lm/W        | >90 | 2700K      | 365.01.RD.09.1  | 365.01.RD.26.1          | 365.01.RD.17.1  |
|        | 9,8W       | 82lm/W        | >90 | 3000K BBBL | 365.01.BE.09.1  | 365.01.BE.26.1          | 365.01.BE.17.1  |
|        | 9,8W       | 88lm/W        | >90 | 4000K      | 365.01.RF.09.1  | 365.01.RF.26.1          | 365.01.RF.17.1  |
| medium | 9,8W       | 70lm/W        | >90 | 2700K      | 365.01.RD.09.2  | 365.01.RD.26.2          | 365.01.RD.17.2  |
|        | 9,8W       | 83lm/W        | >90 | 3000K BBBL | 365.01.BE.09.2  | 365.01.BE.26.2          | 365.01.BE.17.2  |
|        | 9,8W       | 89lm/W        | >90 | 4000K      | 365.01.RF.09.2  | 365.01.RF.26.2          | 365.01.RF.17.2  |
| flood  | 9,8W       | 69lm/W        | >90 | 2700K      | 365.01.RD.09.3  | 365.01.RD.26.3          | 365.01.RD.17.3  |
|        | 9,8W       | 82lm/W        | >90 | 3000K BBBL | 365.01.BE.09.3  | 365.01.BE.26.3          | 365.01.BE.17.3  |
|        | 9,8W       | 88lm/W        | >90 | 4000K      | 365.01.RF.09.3  | 365.01.RF.26.3          | 365.01.RF.17.3  |

| 1000lm DALI | W (system) | lm/W (system) | CRI | CCT   | White structure     | Black + white structure | Black structure     |
|-------------|------------|---------------|-----|-------|---------------------|-------------------------|---------------------|
| spot        | 8,5W       | 92lm/W        | >80 | 2700K | 365.01.RA.09.1.DALI | 365.01.RA.26.1.DALI     | 365.01.RA.17.1.DALI |
|             | 8,5W       | 92lm/W        | >80 | 3000K | 365.01.RB.09.1.DALI | 365.01.RB.26.1.DALI     | 365.01.RB.17.1.DALI |
|             | 8,5W       | 100lm/W       | >80 | 4000K | 365.01.RC.09.1.DALI | 365.01.RC.26.1.DALI     | 365.01.RC.17.1.DALI |
| medium      | 8,5W       | 93lm/W        | >80 | 2700K | 365.01.RA.09.2.DALI | 365.01.RA.26.2.DALI     | 365.01.RA.17.2.DALI |
|             | 8,5W       | 93lm/W        | >80 | 3000K | 365.01.RB.09.2.DALI | 365.01.RB.26.2.DALI     | 365.01.RB.17.2.DALI |
|             | 8,5W       | 101lm/W       | >80 | 4000K | 365.01.RC.09.2.DALI | 365.01.RC.26.2.DALI     | 365.01.RC.17.2.DALI |
| flood       | 8,5W       | 92lm/W        | >80 | 2700K | 365.01.RA.09.3.DALI | 365.01.RA.26.3.DALI     | 365.01.RA.17.3.DALI |
|             | 8,5W       | 92lm/W        | >80 | 3000K | 365.01.RB.09.3.DALI | 365.01.RB.26.3.DALI     | 365.01.RB.17.3.DALI |
|             | 8,5W       | 100lm/W       | >80 | 4000K | 365.01.RC.09.3.DALI | 365.01.RC.26.3.DALI     | 365.01.RC.17.3.DALI |

| 1000lm DALI | W (system) | lm/W (system) | CRI | CCT        | White structure     | Black + white structure | Black structure     |
|-------------|------------|---------------|-----|------------|---------------------|-------------------------|---------------------|
| spot        | 9,7W       | 70lm/W        | >90 | 2700K      | 365.01.RD.09.1.DALI | 365.01.RD.26.1.DALI     | 365.01.RD.17.1.DALI |
|             | 9,7W       | 83lm/W        | >90 | 3000K BBBL | 365.01.BE.09.1.DALI | 365.01.BE.26.1.DALI     | 365.01.BE.17.1.DALI |
|             | 9,7W       | 89lm/W        | >90 | 4000K      | 365.01.RF.09.1.DALI | 365.01.RF.26.1.DALI     | 365.01.RF.17.1.DALI |
| medium      | 9,7W       | 70lm/W        | >90 | 2700K      | 365.01.RD.09.2.DALI | 365.01.RD.26.2.DALI     | 365.01.RD.17.2.DALI |
|             | 9,7W       | 84lm/W        | >90 | 3000K BBBL | 365.01.BE.09.2.DALI | 365.01.BE.26.2.DALI     | 365.01.BE.17.2.DALI |
|             | 9,7W       | 90lm/W        | >90 | 4000K      | 365.01.RF.09.2.DALI | 365.01.RF.26.2.DALI     | 365.01.RF.17.2.DALI |
| flood       | 9,7W       | 70lm/W        | >90 | 2700K      | 365.01.RD.09.3.DALI | 365.01.RD.26.3.DALI     | 365.01.RD.17.3.DALI |
|             | 9,7W       | 83lm/W        | >90 | 3000K BBBL | 365.01.BE.09.3.DALI | 365.01.BE.26.3.DALI     | 365.01.BE.17.3.DALI |
|             | 9,7W       | 89lm/W        | >90 | 4000K      | 365.01.RF.09.3.DALI | 365.01.RF.26.3.DALI     | 365.01.RF.17.3.DALI |

| Weight | Light source | Driver              | Ceiling cutout | Ceiling thickness |
|--------|--------------|---------------------|----------------|-------------------|
| 0,34Kg | LED included | LED driver included | Ø 63mm         | 1 - 25mm          |



| 1800lm | W (system) | lm/W (system) | CRI | CCT   | White structure | Black + white structure | Black structure |
|--------|------------|---------------|-----|-------|-----------------|-------------------------|-----------------|
| spot   | 17,2W      | 82lm/W        | >80 | 2700K | 365.01.RG.09.1  | 365.01.RG.26.1          | 365.01.RG.17.1  |
|        | 17,2W      | 82lm/W        | >80 | 3000K | 365.01.RH.09.1  | 365.01.RH.26.1          | 365.01.RH.17.1  |
|        | 17,2W      | 88lm/W        | >80 | 4000K | 365.01.RI.09.1  | 365.01.RI.26.1          | 365.01.RI.17.1  |
| medium | 17,2W      | 83lm/W        | >80 | 2700K | 365.01.RG.09.2  | 365.01.RG.26.2          | 365.01.RG.17.2  |
|        | 17,2W      | 83lm/W        | >80 | 3000K | 365.01.RH.09.2  | 365.01.RH.26.2          | 365.01.RH.17.2  |
|        | 17,2W      | 89lm/W        | >80 | 4000K | 365.01.RI.09.2  | 365.01.RI.26.2          | 365.01.RI.17.2  |
| flood  | 17,2W      | 82lm/W        | >80 | 2700K | 365.01.RG.09.3  | 365.01.RG.26.3          | 365.01.RG.17.3  |
|        | 17,2W      | 82lm/W        | >80 | 3000K | 365.01.RH.09.3  | 365.01.RH.26.3          | 365.01.RH.17.3  |
|        | 17,2W      | 88lm/W        | >80 | 4000K | 365.01.RI.09.3  | 365.01.RI.26.3          | 365.01.RI.17.3  |

| 1800lm | W (system) | lm/W (system) | CRI | CCT        | White structure | Black + white structure | Black structure |
|--------|------------|---------------|-----|------------|-----------------|-------------------------|-----------------|
| spot   | 20,0W      | 58lm/W        | >90 | 2700K      | 365.01.RJ.09.1  | 365.01.RJ.26.1          | 365.01.RJ.17.1  |
|        | 20,0W      | 71lm/W        | >90 | 3000K BBBL | 365.01.BK.09.1  | 365.01.BK.26.1          | 365.01.BK.17.1  |
|        | 20,0W      | 75lm/W        | >90 | 4000K      | 365.01.RL.09.1  | 365.01.RL.26.1          | 365.01.RL.17.1  |
| medium | 20,0W      | 59lm/W        | >90 | 2700K      | 365.01.RJ.09.2  | 365.01.RJ.26.2          | 365.01.RJ.17.2  |
|        | 20,0W      | 71lm/W        | >90 | 3000K BBBL | 365.01.BK.09.2  | 365.01.BK.26.2          | 365.01.BK.17.2  |
|        | 20,0W      | 76lm/W        | >90 | 4000K      | 365.01.RL.09.2  | 365.01.RL.26.2          | 365.01.RL.17.2  |
| flood  | 20,0W      | 58lm/W        | >90 | 2700K      | 365.01.RJ.09.3  | 365.01.RJ.26.3          | 365.01.RJ.17.3  |
|        | 20,0W      | 71lm/W        | >90 | 3000K BBBL | 365.01.BK.09.3  | 365.01.BK.26.3          | 365.01.BK.17.3  |
|        | 20,0W      | 75lm/W        | >90 | 4000K      | 365.01.RL.09.3  | 365.01.RL.26.3          | 365.01.RL.17.3  |

| 1800lm DALI | W (system) | lm/W (system) | CRI | CCT   | White structure     | Black + white structure | Black structure     |
|-------------|------------|---------------|-----|-------|---------------------|-------------------------|---------------------|
| spot        | 17,4W      | 81lm/W        | >80 | 2700K | 365.01.RG.09.1.DALI | 365.01.RG.26.1.DALI     | 365.01.RG.17.1.DALI |
|             | 17,4W      | 81lm/W        | >80 | 3000K | 365.01.RH.09.1.DALI | 365.01.RH.26.1.DALI     | 365.01.RH.17.1.DALI |
|             | 17,4W      | 87lm/W        | >80 | 4000K | 365.01.RI.09.1.DALI | 365.01.RI.26.1.DALI     | 365.01.RI.17.1.DALI |
| medium      | 17,4W      | 82lm/W        | >80 | 2700K | 365.01.RG.09.2.DALI | 365.01.RG.26.2.DALI     | 365.01.RG.17.2.DALI |
|             | 17,4W      | 82lm/W        | >80 | 3000K | 365.01.RH.09.2.DALI | 365.01.RH.26.2.DALI     | 365.01.RH.17.2.DALI |
|             | 17,4W      | 88lm/W        | >80 | 4000K | 365.01.RI.09.2.DALI | 365.01.RI.26.2.DALI     | 365.01.RI.17.2.DALI |
| flood       | 17,4W      | 81lm/W        | >80 | 2700K | 365.01.RG.09.3.DALI | 365.01.RG.26.3.DALI     | 365.01.RG.17.3.DALI |
|             | 17,4W      | 81lm/W        | >80 | 3000K | 365.01.RH.09.3.DALI | 365.01.RH.26.3.DALI     | 365.01.RH.17.3.DALI |
|             | 17,4W      | 87lm/W        | >80 | 4000K | 365.01.RI.09.3.DALI | 365.01.RI.26.3.DALI     | 365.01.RI.17.3.DALI |

| 1800lm DALI | W (system) | lm/W (system) | CRI | CCT        | White structure     | Black + white structure | Black structure     |
|-------------|------------|---------------|-----|------------|---------------------|-------------------------|---------------------|
| spot        | 20,1W      | 58lm/W        | >90 | 2700K      | 365.01.RJ.09.1.DALI | 365.01.RJ.26.1.DALI     | 365.01.RJ.17.1.DALI |
|             | 20,1W      | 70lm/W        | >90 | 3000K BBBL | 365.01.BK.09.1.DALI | 365.01.BK.26.1.DALI     | 365.01.BK.17.1.DALI |
|             | 20,1W      | 75lm/W        | >90 | 4000K      | 365.01.RL.09.1.DALI | 365.01.RL.26.1.DALI     | 365.01.RL.17.1.DALI |
| medium      | 20,1W      | 58lm/W        | >90 | 2700K      | 365.01.RJ.09.2.DALI | 365.01.RJ.26.2.DALI     | 365.01.RJ.17.2.DALI |
|             | 20,1W      | 71lm/W        | >90 | 3000K BBBL | 365.01.BK.09.2.DALI | 365.01.BK.26.2.DALI     | 365.01.BK.17.2.DALI |
|             | 20,1W      | 76lm/W        | >90 | 4000K      | 365.01.RL.09.2.DALI | 365.01.RL.26.2.DALI     | 365.01.RL.17.2.DALI |
| flood       | 20,1W      | 58lm/W        | >90 | 2700K      | 365.01.RJ.09.3.DALI | 365.01.RJ.26.3.DALI     | 365.01.RJ.17.3.DALI |
|             | 20,1W      | 70lm/W        | >90 | 3000K BBBL | 365.01.BK.09.3.DALI | 365.01.BK.26.3.DALI     | 365.01.BK.17.3.DALI |
|             | 20,1W      | 75lm/W        | >90 | 4000K      | 365.01.RL.09.3.DALI | 365.01.RL.26.3.DALI     | 365.01.RL.17.3.DALI |

| Weight | Light source | Driver              | Ceiling cutout | Ceiling thickness |
|--------|--------------|---------------------|----------------|-------------------|
| 0,42Kg | LED included | LED driver included | Ø 63mm         | 1 - 25mm          |