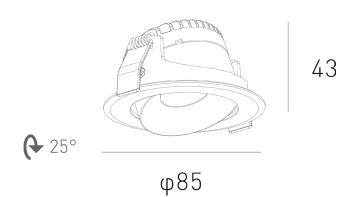
## **Datasheet**

Type: NS16

Itemnr.: 1600410930001





## **Technical Data**

| Beam Angle 40 (optic)  Colors Avaliable Warm white, Neutral white  Color Temperature 2700K, 3000K, 4000K or Dim-to-warm  Color Rendering CRI90 (option CRI95)  MacAdam Step 3 (Option Step 2)  Consumption 6.5W  Voltage Range 220 ~ 240VAC 50/60Hz (external driver)  Current LEDs 350MA  PF Power Factor >95 @ Full load  Flicker <1 % Flicker free (IEEE Std. 1789-2015)  10A Fuse Type C Max. 31 luminaires (Start Current limit)  Leakage current <0,5mA @ 240V AC (custom possible)  Efficiency 85 LPW (LEDs 120 LPW)  Equal To NS16 6.5W = Halogen lamp QT 50W  Lifetime TM-21 30K hours at Ta = 25°C (L80) B10  Lifetime LEDs 60K hours at Ta = 25°C (U90) B10  Lifetime driver 50K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  Included Complete lamp housing, LEDs, driver | Lumen             | 550lm                                       |
|---|-------------------|---|
| Color Temperature 2700K, 3000K, 4000K or Dim-to-warm Color Rendering CRI90 (option CRI95)  MacAdam Step 3 (Option Step 2) Consumption 6.5W Voltage Range 220 ~ 240VAC 50/60Hz (external driver) Current LEDs 350mA PF Power Factor >95 @ Full load Flicker <1 % Flicker free (IEEE Std. 1789-2015) 10A Fuse Type C Max. 31 luminaires (Start Current limit) Leakage current <0,5mA @ 240V AC (custom possible) Efficiency 85 LPW (LEDs 120 LPW) Equal To NS16 6.5W = Halogen lamp QT 50W Lifetime TM-21 30K hours at Ta = 25°C (L80) B10 Lifetime LEDs 60K hours at Ta = 25°C (MTBF) B10 Dimmable Yes leading edge (Option DALI or 1-10V) IP Code IP44 IK Class IK08 Class 2, Double Insulated Working temp -20 to 45 degree Celsius Size Ø85*H143 cut off Ø80mm Installation Recessed, one driver for each luminaire Linkable cables Incl. cable terminal box for two cables Material used Aluminum, ABS plastic Baffle, Steel clips Weight 0,5 Kg Shipping Package of 48 pcs IES File Yes Certificates CE, ROHS, TM21, LM80, IES Other ENEC, only for DALI driver unit Warranty 5 years* Housing White, black, silver or optional RAL colors  | Beam Angle        | 40 (optic)                                  |
| Color Rendering CRI90 (option CRI95)  MacAdam Step 3 (Option Step 2)  Consumption 6.5W  Voltage Range 220 ~ 240VAC 50/60Hz (external driver)  Current LEDs 350mA  PF Power Factor >95 @ Full load  Flicker <1 % Flicker free (IEEE Std. 1789-2015)  10A Fuse Type C Max. 31 luminaires (Start Current limit)  Leakage current <0,5mA @ 240V AC (custom possible)  Efficiency 85 LPW (LEDs 120 LPW)  Equal To NS16 6.5W = Halogen lamp QT 50W  Lifetime TM-21 30K hours at Ta = 25°C (L80) B10  Lifetime LEDs 60K hours at Ta = 25°C (L90) B10  Lifetime driver 50K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  | Colors Avaliable  | Warm white, Neutral white                   |
| MacAdam Step 3 (Option Step 2)  Consumption 6.5W  Voltage Range 220 ~ 240VAC 50/60Hz (external driver)  Current LEDs 350mA  PF Power Factor >95 @ Full load  Flicker <1 % Flicker free (IEEE Std. 1789-2015)  10A Fuse Type C Max. 31 luminaires (Start Current limit)  Leakage current <0,5mA @ 240V AC (custom possible)  Efficiency 85 LPW (LEDs 120 LPW)  Equal To NS16 6.5W = Halogen lamp QT 50W  Lifetime TM-21 30K hours at Ta = 25°C (L80) B10  Lifetime LEDs 60K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  | Color Temperature | 2700K, 3000K, 4000K or Dim-to-warm          |
| Consumption 6.5W  Voltage Range 220 ~ 240VAC 50/60Hz (external driver)  Current LEDs 350mA  PF Power Factor >95 @ Full load  Flicker <1 % Flicker free (IEEE Std. 1789-2015)  10A Fuse Type C Max. 31 luminaires (Start Current limit)  Leakage current <0,5mA @ 240V AC (custom possible)  Efficiency 85 LPW (LEDs 120 LPW)  Equal To NS16 6.5W = Halogen lamp QT 50W  Lifetime TM-21 30K hours at Ta = 25°C (L80) B10  Lifetime LEDs 60K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  | Color Rendering   | CRI90 (option CRI95)                        |
| Voltage Range 220 ~ 240VAC 50/60Hz (external driver)  Current LEDs 350mA  PF Power Factor >95 @ Full load  Flicker <1 % Flicker free (IEEE Std. 1789-2015)  10A Fuse Type C Max. 31 luminaires (Start Current limit)  Leakage current < 0,5mA @ 240V AC (custom possible)  Efficiency 85 LPW (LEDs 120 LPW)  Equal To NS16 6.5W = Halogen lamp QT 50W  Lifetime TM-21 30K hours at Ta = 25°C (L80) B10  Lifetime LEDs 60K hours at Ta = 25°C (L90) B10  Lifetime driver 50K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors   | MacAdam           | Step 3 (Option Step 2)                      |
| Current LEDs 350mA  PF Power Factor >95 @ Full load  Flicker <1 % Flicker free (IEEE Std. 1789-2015)  10A Fuse Type C Max. 31 luminaires (Start Current limit)  Leakage current <0,5mA @ 240V AC (custom possible)  Efficiency 85 LPW (LEDs 120 LPW)  Equal To NS16 6.5W = Halogen lamp QT 50W  Lifetime TM-21 30K hours at Ta = 25°C (L80) B10  Lifetime LEDs 60K hours at Ta = 25°C (L90) B10  Lifetime driver 50K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  | Consumption       | 6.5W  |
| PF Power Factor >95 @ Full load  Flicker <1 % Flicker free (IEEE Std. 1789-2015)  10A Fuse Type C Max. 31 luminaires (Start Current limit)  Leakage current <0,5mA @ 240V AC (custom possible)  Efficiency 85 LPW (LEDs 120 LPW)  Equal To NS16 6.5W = Halogen lamp QT 50W  Lifetime TM-21 30K hours at Ta = 25°C (L80) B10  Lifetime LEDs 60K hours at Ta = 25°C (L90) B10  Lifetime driver 50K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  | Voltage Range     | 220 ~ 240VAC 50/60Hz (external driver)      |
| Flicker <1 % Flicker free (IEEE Std. 1789-2015)  10A Fuse Type C Max. 31 luminaires (Start Current limit)  Leakage current < 0,5mA @ 240V AC (custom possible)  Efficiency 85 LPW (LEDs 120 LPW)  Equal To NS16 6.5W = Halogen lamp QT 50W  Lifetime TM-21 30K hours at Ta = 25°C (L80) B10  Lifetime LEDs 60K hours at Ta = 25°C (L90) B10  Lifetime driver 50K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  | Current LEDs      | 350mA                                       |
| 10A Fuse Type C Max. 31 luminaires (Start Current limit)  Leakage current   | PF Power Factor   | >95 @ Full load                             |
| Leakage current < 0,5mA @ 240V AC (custom possible)  Efficiency 85 LPW (LEDs 120 LPW)  Equal To NS16 6.5W = Halogen lamp QT 50W  Lifetime TM-21 30K hours at Ta = 25°C (L80) B10  Lifetime LEDs 60K hours at Ta = 25°C (L90) B10  Lifetime driver 50K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors   | Flicker           | <1 % Flicker free (IEEE Std. 1789-2015)     |
| Efficiency 85 LPW (LEDs 120 LPW)  Equal To NS16 6.5W = Halogen lamp QT 50W  Lifetime TM-21 30K hours at Ta = 25°C (L80) B10  Lifetime LEDs 60K hours at Ta = 25°C (L90) B10  Lifetime driver 50K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  | 10A Fuse Type C   | Max. 31 luminaires (Start Current limit)    |
| Equal To  NS16 6.5W = Halogen lamp QT 50W  Lifetime TM-21 30K hours at Ta = 25°C (L80) B10  Lifetime LEDS 60K hours at Ta = 25°C (L90) B10  Lifetime driver 50K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors   | Leakage current   | < 0,5mA @ 240V AC (custom possible)         |
| Lifetime TM-21 30K hours at Ta = 25°C (L80) B10  Lifetime LEDs 60K hours at Ta = 25°C (L90) B10  Lifetime driver 50K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  | Efficiency        | 85 LPW (LEDs 120 LPW)                       |
| Lifetime LEDs 60K hours at Ta = 25°C (L90) B10  Lifetime driver 50K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors   | Equal To          | NS16 6.5W = Halogen lamp QT 50W             |
| Lifetime driver 50K hours at Ta = 25°C (MTBF) B10  Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors   | Lifetime TM-21    | 30K hours at Ta = 25°C (L80) B10            |
| Dimmable Yes leading edge (Option DALI or 1-10V)  IP Code IP44  IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  | Lifetime LEDs     | 60K hours at Ta = 25°C (L90) B10            |
| IP Code IP44 IK Class IK08 Class 2, Double Insulated Working temp -20 to 45 degree Celsius Size Ø85*H143 cut off Ø80mm Installation Recessed, one driver for each luminaire Linkable cables Incl. cable terminal box for two cables Material used Aluminum, ABS plastic Baffle, Steel clips Weight 0,5 Kg Shipping Package of 48 pcs IES File Yes Certificates CE, ROHS, TM21, LM80, IES Other ENEC, only for DALI driver unit Warranty 5 years* Housing White, black, silver or optional RAL colors  | Lifetime driver   | 50K hours at Ta = 25°C (MTBF) B10           |
| IK Class IK08  Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  | Dimmable          | Yes leading edge (Option DALI or 1-10V)     |
| Class 2, Double Insulated  Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors   | IP Code           | IP44  |
| Working temp -20 to 45 degree Celsius  Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  | IK Class          | IK08  |
| Size Ø85*H143 cut off Ø80mm  Installation Recessed, one driver for each luminaire  Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors   | Class             | 2, Double Insulated                         |
| Installation Recessed, one driver for each luminaire Linkable cables Incl. cable terminal box for two cables Material used Aluminum, ABS plastic Baffle, Steel clips Weight 0,5 Kg Shipping Package of 48 pcs IES File Yes Certificates CE, ROHS, TM21, LM80, IES Other ENEC, only for DALI driver unit Warranty 5 years* Housing White, black, silver or optional RAL colors   | Working temp      | -20 to 45 degree Celsius                    |
| Linkable cables Incl. cable terminal box for two cables  Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  | Size              | Ø85*H143 cut off Ø80mm                      |
| Material used Aluminum, ABS plastic Baffle, Steel clips  Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors   | Installation      | Recessed, one driver for each luminaire     |
| Weight 0,5 Kg  Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors  | Linkable cables   | Incl. cable terminal box for two cables     |
| Shipping Package of 48 pcs  IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors   | Material used     | Aluminum, ABS plastic Baffle, Steel clips   |
| IES File Yes  Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors   | Weight            | 0,5 Kg                                      |
| Certificates CE, ROHS, TM21, LM80, IES  Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors   | Shipping          | Package of 48 pcs                           |
| Other ENEC, only for DALI driver unit  Warranty 5 years*  Housing White, black, silver or optional RAL colors   | IES File          | Yes   |
| Warranty 5 years*  Housing White, black, silver or optional RAL colors  | Certificates      | CE, ROHS, TM21, LM80, IES                   |
| Housing White, black, silver or optional RAL colors   | Other             | ENEC, only for DALI driver unit             |
|   | Warranty          | 5 years*                                    |
| Included Complete lamp housing, LEDs, driver  | Housing           | White, black, silver or optional RAL colors |
|   | Included          | Complete lamp housing, LEDs, driver         |













