

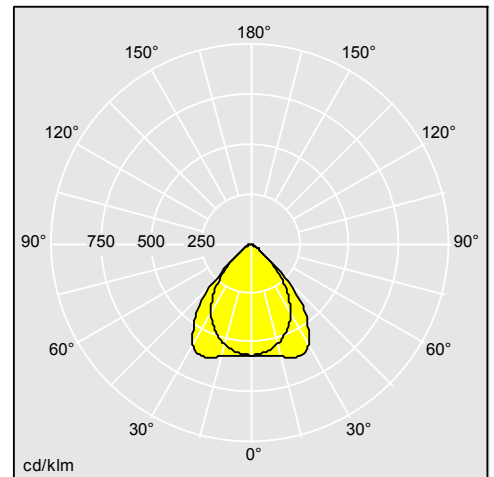
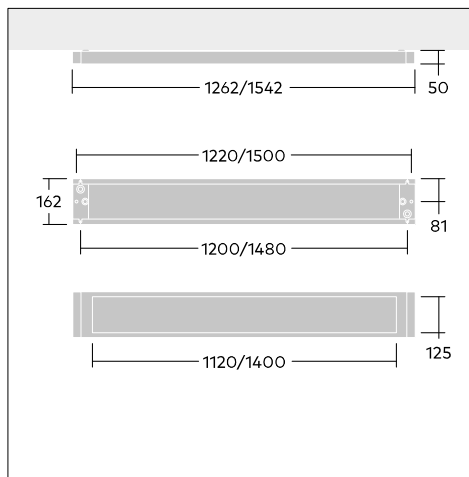
## Punch

### Classic Simplicity: Versatility combined with a high-quality look and feel.

- Design: Classic, linear design comprising a pleasing and timeless aesthetic. High quality materials underline the value of the product.
- Light distribution: Direct, direct/indirect (60/40% or 50/50%) and asymmetric light distribution, a double parabolic aluminium and a LRO optic version, as well as UGR <16 make PUNCH a great choice for a wide field of application.
- Installation: Suspended and surface-mounted variants plus the possibility of continuous row and wall mounting are important features to provide maximum flexibility.
- Smart design features for fast and easy installation and maintenance enhance the user experience.
- Variants for every need: CRI80 or CRI90, emergency mode, pull cord switch, infills of different sizes for continuous row or the choice between LRO and louvre optic open up lots of possibilities for various situations.



Photographs, line drawings and photometric data are representative only. For specific product detail please select an individual product.



96630506

### Material/Finish

Housing and end caps: Sheet steel, white powder coated  
 Double parabolic louvres: High reflective aluminum  
 Diffusers: Opal polycarbonate (PC)  
 LRO: Microprismatic polymethylmethacrylate (PMMA)

### Installation/Mounting

Suspended direct/indirect: Slidable suspension components for easy mounting, suspensions to be ordered separately (22171581), pre-installed power cord  
 Suspended direct only: Combine your desired surface-mounted LRO or LV-Variant with the suspension accessories (22171581 & 22171349)  
 Surface: Suitable for direct surface mounting  
 Continuous row & Infills: Optional accessories to link individual suspended luminaires together  
 Wall: Optional wall mounting bracket accessory compatible with all versions

## Punch

### Specification

To specify state:

A classic designed LED luminaire with double parabolic aluminium louvres or PMMA LRO optics. Direct, direct/indirect and asymmetric light distribution. Surface-mounted, suspended, continuous row (with optional infills) or wall mounting possibility. Direct/indirect split of 60/40%, 3000/4000K colour temperature, CRI >80 or CRI >90, MacAdam 3, IK04, a lifetime of 70 000h @ L80 Ta 25°C, up to UGR <19 and efficacy of up to 133 lm/W. HFIX controllable, pull cord switch, E3 or E3D options available. Standard colour powder coated sheet steel in white (close to RAL9016) - other colours (e.g. silver) on request.

As Thorn Punch

### Ordering Guide

Description	ILCOS Code	Socket	Wt (kg)	SAP Code
<b>Punch, surface</b>				
PUNCH 3 LV MSC 4000-940 L12 HF	LED		3,5	96636009
PUNCH 3 LV MSC 6000-940 L15 HF	LED		3,8	96636010
PUNCH 3 LV MSC 4000-930 L12 HF	LED		3,5	96636013
PUNCH 3 LV MSC 6000-930 L15 HF	LED		3,8	96636014
PUNCH 3 LV MSC 4000-830 L12 HF	LED		3,5	96636019
PUNCH 3 LV MSC 4000-840 L12 HF	LED		3,5	96636020
PUNCH 3 LV MSC 6000-830 L15 HF	LED		3,8	96636021
PUNCH 3 LV MSC 6000-840 L15 HF	LED		3,8	96636022
PUNCH 3 LRO MSC 3200-930 L12 HF	LED		3,5	96636033
PUNCH 3 LRO MSC 3800-930 L15 HF	LED		3,8	96636034
PUNCH 3 LRO MSC 3200-940 L12 HF	LED		3,5	96636037
PUNCH 3 LRO MSC 3800-940 L15 HF	LED		3,8	96636038
PUNCH 3 LRO MSC 3200-830 L12 HF	LED		3,5	96636043
PUNCH 3 LRO MSC 3200-840 L12 HF	LED		3,5	96636044
PUNCH 3 LRO MSC 3800-830 L15 HF	LED		3,8	96636045
PUNCH 3 LRO MSC 3800-840 L15 HF	LED		3,8	96636046
<b>Punch, surface, dimmable</b>				
<PUNCH 3 LRO MSC 3200-830 L12 HFIX	LED		6	96635385
PUNCH 3 LRO MSC 3200-840 L12 HFIX	LED		6	96635386
<PUNCH 3 LRO MSC 3800-830 L15 HFIX	LED		6,5	96635387
PUNCH 3 LRO MSC 3800-840 L15 HFIX	LED		6,5	96635388
PUNCH 3 LRO MSC 3200-940 L12 HFIX	LED		6	96635391
PUNCH 3 LRO MSC 3800-940 L15 HFIX	LED		6,5	96635392
PUNCH 3 LV MSC 4000-940 L12 HFIX	LED		3,8	96635717
PUNCH 3 LV MSC 6000-940 L15 HFIX	LED		3,8	96635718
PUNCH 3 LV MSC 4000-830 L12 HFIX	LED		3,5	96635735
PUNCH 3 LV MSC 4000-840 L12 HFIX	LED		3,5	96635736
PUNCH 3 LV MSC 6000-830 L15 HFIX	LED		3,8	96635737
PUNCH 3 LV MSC 6000-840 L15 HFIX	LED		3,8	96635738
PUNCH 3 LV MSC 4000-930 L12 HFIX	LED		3,5	96636025
PUNCH 3 LV MSC 6000-930 L15 HFIX	LED		3,8	96636026
PUNCH 3 LRO MSC 3200-930 L12 HFIX	LED		3,5	96636049
PUNCH 3 LRO MSC 3800-930 L15 HFIX	LED		3,8	96636050
<b>Punch, surface, dimmable emergency</b>				
<PUNCH 3 LRO MSC 3200-830 L12 HFIX E3	LED		6,2	96635401
<PUNCH 3 LRO MSC 3200-840 L12 HFIX E3	LED		6,2	96635402

## Punch

Description	ILCOS Code	Socket	Wt (kg)	SAP Code
PUNCH 3 LRO MSC 3800-830 L15 HFIX E3	LED		6,8	96635403
PUNCH 3 LRO MSC 3800-840 L15 HFIX E3	LED		6,8	96635404
PUNCH 3 LRO MSC 3800-940 L15 HFIX E3	LED		6,8	96635408
PUNCH 3 LV MSC 4000-940 L12 HFIX E3	LED		3,8	96635721
PUNCH 3 LV MSC 6000-940 L15 HFIX E3	LED		3,8	96635722
PUNCH 3 LV MSC 4000-830 L12 HFIX E3	LED		3,5	96635727
PUNCH 3 LV MSC 4000-840 L12 HFIX E3	LED		3,5	96635728
PUNCH 3 LV MSC 6000-830 L15 HFIX E3	LED		3,8	96635729
PUNCH 3 LV MSC 6000-840 L15 HFIX E3	LED		3,8	96635730
PUNCH 3 LRO MSC 3200-940 L12 HFIX E3	LED		3,5	96635739
PUNCH 3 LV MSC 4000-930 L12 HFIX E3	LED		3,5	96636029
PUNCH 3 LV MSC 6000-930 L15 HFIX E3	LED		3,8	96636030
PUNCH 3 LRO MSC 3800-930 L15 HFIX E3	LED		3,8	96636052
PUNCH 3 LRO MSC 3200-930 L12 HFIX E3	LED		3,5	96636053

### Punch, suspended

<PUNCH 3 ASYM MSP 2200-830 L12 HF	LED		3,5	96630502
<PUNCH 3 ASYM MSP 2200-840 L12 HF	LED		3,5	96630503
PUNCH 3 LV MSP 5500-940 L12 HF	LED		3,5	96636007
PUNCH 3 LV MSP 6600-940 L15 HF	LED		3,8	96636008
PUNCH 3 LV MSP 5500-930 L12 HF	LED		3,5	96636011
PUNCH 3 LV MSP 6600-930 L15 HF	LED		3,8	96636012
PUNCH 3 LV MSP 5500-830 L12 HF	LED		3,5	96636015
PUNCH 3 LV MSP 5500-840 L12 HF	LED		3,5	96636016
PUNCH 3 LV MSP 6600-830 L15 HF	LED		3,8	96636017
PUNCH 3 LV MSP 6600-840 L15 HF	LED		3,8	96636018
PUNCH 3 LRO MSP 5500-930 L12 HF	LED		3,5	96636031
PUNCH 3 LRO MSP 6600-930 L15 HF	LED		3,8	96636032
PUNCH 3 LRO MSP 5500-940 L12 HF	LED		3,5	96636035
PUNCH 3 LRO MSP 6600-940 L15 HF	LED		3,8	96636036
PUNCH 3 LRO MSP 5500-830 L12 HF	LED		3,5	96636039
PUNCH 3 LRO MSP 5500-840 L12 HF	LED		3,5	96636040
PUNCH 3 LRO MSP 6600-830 L15 HF	LED		3,8	96636041
PUNCH 3 LRO MSP 6600-840 L15 HF	LED		3,8	96636042
PUNCH 3 ASYM MSP 2200-940 L12 HF	LED		3,5	96636056
PUNCH 3 ASYM MSP 2200-930 L12 HF	LED		3,5	96636057

### Punch, suspended, dimmable

<PUNCH 3 ASYM MSP 2200-830 L12 HFIX	LED		3,5	96630508
PUNCH 3 ASYM MSP 2200-840 L12 HFIX	LED		3,5	96630509
<PUNCH 3 LRO MSP 5500-830 L12 HFIX	LED		6	96635381
PUNCH 3 LRO MSP 5500-840 L12 HFIX	LED		6	96635382
PUNCH 3 LRO MSP 6600-830 L15 HFIX	LED		6,5	96635383
PUNCH 3 LRO MSP 6600-840 L15 HFIX	LED		6,5	96635384
PUNCH 3 LRO MSP 5500-940 L12 HFIX	LED		6	96635389
<PUNCH 3 LRO MSP 6600-940 L15 HFIX	LED		6,5	96635390
<PUNCH 3 LRO MSP 5500-930 L12 HFIX SWD	LED		6	96635393
<PUNCH 3 LRO MSP 5500-940 L12 HFIX SWD	LED		6	96635394

## Punch

Description	ILCOS Code	Socket	Wt (kg)	SAP Code
<PUNCH 3 LRO MSP 6600-930 L15 HFIX SWD	LED		6,5	96635395
<PUNCH 3 LRO MSP 6600-940 L15 HFIX SWD	LED		6,5	96635396
PUNCH 3 LV MSP 5500-930 L12 HFIX SWD	LED		3,5	96635476
PUNCH 3 LV MSP 5500-940 L12 HFIX SWD	LED		3,5	96635477
PUNCH 3 LV MSP 6600-930 L15 HFIX SWD	LED		3,8	96635478
PUNCH 3 LV MSP 6600-940 L15 HFIX SWD	LED		3,8	96635479
PUNCH 3 LV MSP 5500-940 L12 HFIX	LED		3,5	96635715
PUNCH 3 LV MSP 6600-940 L15 HFIX	LED		3,5	96635716
PUNCH 3 LV MSP 5500-830 L12 HFIX	LED		3,5	96635731
PUNCH 3 LV MSP 5500-840 L12 HFIX	LED		3,5	96635732
PUNCH 3 LV MSP 6600-830 L15 HFIX	LED		3,8	96635733
PUNCH 3 LV MSP 6600-840 L15 HFIX	LED		3,8	96635734
PUNCH 3 ASYM MSP 2200-940 L12 HFIX	LED		3,5	96635741
PUNCH 3 LV MSP 5500-930 L12 HFIX	LED		3,5	96636023
PUNCH 3 LV MSP 6600-930 L15 HFIX	LED		3,8	96636024
PUNCH 3 LRO MSP 5500-930 L12 HFIX	LED		3,5	96636047
PUNCH 3 LRO MSP 6600-930 L15 HFIX	LED		3,8	96636048
PUNCH 3 ASYM MSP 2200-930 L12 HFIX	LED		3,5	96636055

### Punch, suspended, dimmable emergency

<PUNCH 3 LRO MSP 5500-830 L12 HFIX E3	LED		6,2	96635397
PUNCH 3 LRO MSP 5500-840 L12 HFIX E3	LED		6,2	96635398
<PUNCH 3 LRO MSP 6600-830 L15 HFIX E3	LED		6,8	96635399
PUNCH 3 LRO MSP 6600-840 L15 HFIX E3	LED		6,8	96635400
PUNCH 3 LRO MSP 5500-840 L12 HFIX E3D	LED		6,2	96635405
<PUNCH 3 LRO MSP 6600-940 L15 HFIX E3	LED		6,8	96635406
PUNCH 3 LRO MSP 6600-840 L15 HFIX E3D	LED		6,2	96635407
PUNCH 3 LV MSP 5500-940 L12 HFIX E3	LED		3,5	96635719
PUNCH 3 LV MSP 6600-940 L15 HFIX E3	LED		3,5	96635720
PUNCH 3 LV MSP 5500-830 L12 HFIX E3	LED		3,5	96635723
PUNCH 3 LV MSP 5500-840 L12 HFIX E3	LED		3,8	96635724
PUNCH 3 LV MSP 6600-830 L15 HFIX E3	LED		3,5	96635725
PUNCH 3 LV MSP 6600-840 L15 HFIX E3	LED		3,8	96635726
PUNCH 3 LRO MSP 5500-940 L12 HFIX E3	LED		3,8	96635740
PUNCH 3 LV MSP 5500-930 L12 HFIX E3	LED		3,5	96636027
PUNCH 3 LV MSP 6600-930 L15 HFIX E3	LED		3,8	96636028
PUNCH 3 LRO MSP 6600-930 L15 HFIX E3	LED		3,8	96636051
PUNCH 3 LRO MSP 5500-930 L12 HFIX E3	LED		3,5	96636054

### Punch accessories

PUNCH 3 ASYM/LRO/LV WALL BRACKET WH			0,75	96667068
CEILING ROSE ROUND ASI/ASQ3 WH			0,2	22171581
PUNCH 3 LRO C MOUNT SET			1,2	96635433
PUNCH 3 LRO INFILL L9			1,2	96635434
PUNCH 3 LRO INFILL L15			1,5	96635435
PUNCH 3 LV C MOUNT SET			0,5	96635743
PUNCH 3 LV INFILL L9			1,85	96635744
<PUNCH 3 LV INFILL L15			2,85	96635745

# Punch

Description	ILCOS Code	Socket	Wt (kg)	SAP Code
PUNCH 3 EMERGENCY BATTERY SPARE			0,22	96636058